



The Guide for  
**ORGANIC  
VEGETABLE  
GROWERS**



**VOLTZ**  
MARAÎCHAGE

# A TEAM AT YOUR DISPOSAL

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# EDITORIAL

Dear customers,

We are pleased to present to you our latest vegetable catalogue and variety range from GRAINES VOLTZ DEUTSCHLAND & **VOLTZ MARAÎCHAGE**. We are constantly working with commitment to expand and improve our product range.

The company HERMINA – MAIER GMBH, a leading company in the green industry throughout Southern Germany and Austria, became part of the company GRAINES VOLTZ France in October 2020. From pure seed traders, we have therefore also **become seed propagators and conservation or niche crops breeder**. In particular the product groups such as **herbs, radishes and climbing beans** are breeding by us.

**VOLTZ MARAÎCHAGE** proudly presents the ‘**The guide for organic vegetable growers**’, in which you can find the varieties that will carry us into the future: our beautiful **tomato varieties, herbs with the mildew-tolerant types of basil** and our **diverse radishes**.

With our work, we provide you with the **most modern varieties** and **guarantee production of the highest quality** and a successful commercialization. Consumer wishes and trading needs are our main focus. The passion of our team and the **close and strong cooperation guarantee seed and plant quality of the highest level, profitability, success and reliability**. When selecting varieties, we attach great importance not only to following trends, but to always being one step ahead!

Our goal is to continue to serve you as a competent, efficient and flexible partner.

We would like to thank you very much for your loyalty and the trust you have placed in us so far! Our sales team is always at your disposal for further questions; just contact us and we will be happy to advise you!

We look forward to a healthy and productive new season with you and hope you enjoy reading the following pages.

We will continue to serve you to the best of our knowledge and with our familiar quality, but now under the name of GRAINES VOLTZ DEUTSCHLAND.

**VOLTZ MARAÎCHAGE** Team  
GRAINES VOLTZ DEUTSCHLAND









**Serge Voltz**  
CEO GRAINES VOLTZ






**Robert Hermann**  
GRAINES VOLTZ DEUTSCHLAND  
Managing Director

## ABBREVIATIONS AND ICONS

-  Exclusive specialties by GRAINES VOLTZ
-  Historical varieties
-  Suitable for the sale of miniature vegetables
-  Variety with very high tolerance or resistance to the pathogen mentioned in the crest
-  New product
-  Change of type of product UNTREATED to ORGANIC

-  Cold greenhouse
-  Protected cultivation
-  Open field
-  Open field with foil
-  Greenhouse
-  All

\*\*Variety included in List d: Variety with no actual value for commercial production; however, it is in accordance with special cultivation conditions.

- g** Grams
- Precision** Precision seeds
- Pills** Pelleted seeds
- Seeds** Standard seeds
- M** 1,000 seeds
-  Sowing
-  Planting
-  Harvest
-  Forcing
- Calendars referring to French data

## NOMENCLATURE OF ITEM CODES

**First letter at the end of the code:**

- N** Untreated
- B** Organic
- P** Seed discs, seedsheets, seed mat rolls

**Second letter at the end of the code:**

- S** Standard seeds sold by weight
- G** Standard seeds sold individually
- K** Precision sold individually
- E** Pelleted seeds sold individually
- M** Encrusted seeds sold individually

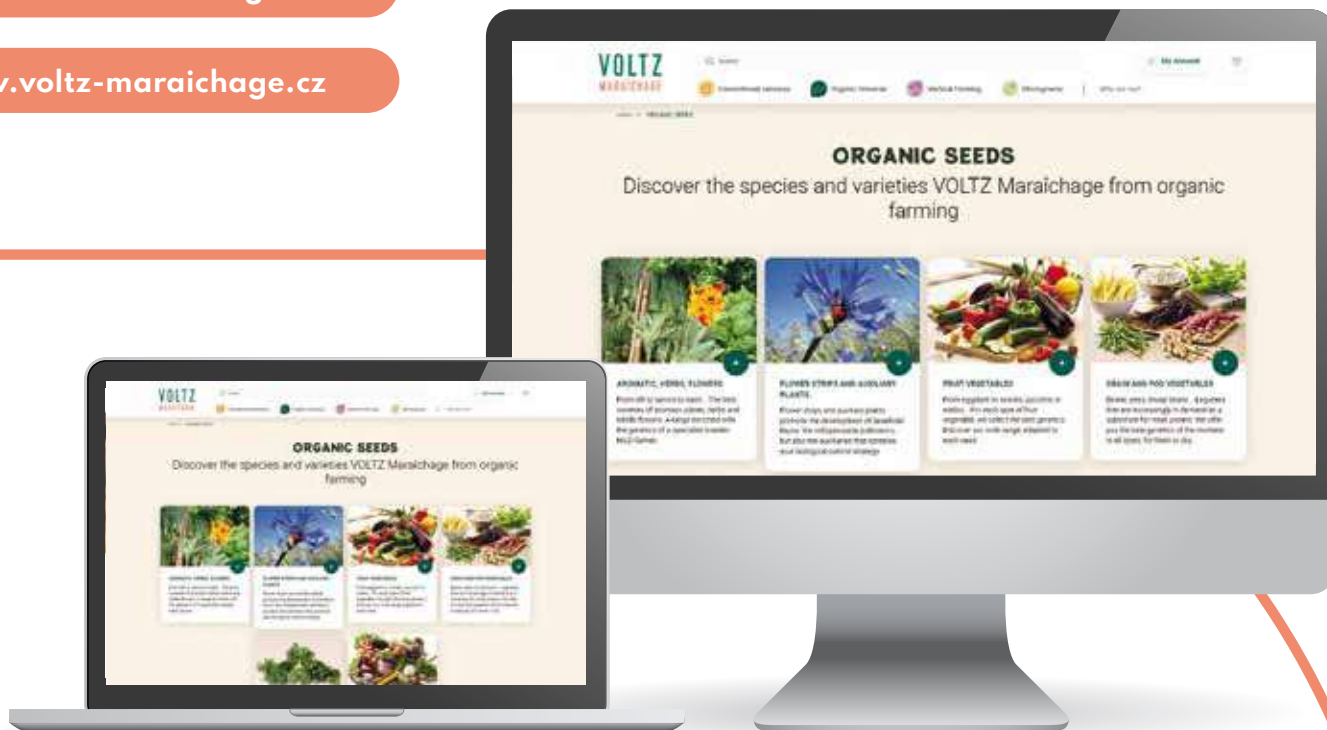
# Discover our new webshop

Easy and intuitive. With just a few clicks, you can reach our best seed varieties.

[www.voltz-maraichage.com](http://www.voltz-maraichage.com)

[www.voltz-maraichage.dk](http://www.voltz-maraichage.dk)

[www.voltz-maraichage.cz](http://www.voltz-maraichage.cz)



High-quality professional seeds



Carefully selected and tested varieties



Appropriate packaging and minimum quantities



Secure payment



Shipped within 48 hours



Payment by instalment without additional charges



# Table of Contents

<b>HERBS</b>		<b>CRUCIFEROUS VEGETABLES</b>		<b>SWEET POTATO PLUG PLANTS</b>	
Basil .....	14	Broccoli.....	85	Sweet potato .....	145
Chives .....	16	Cima di rapa .....	86	<b>SWEET CORN</b>	
Coriander.....	17	Brussels sprouts.....	87	Sweet corn.....	147
Dill .....	17	Cauliflower .....	88	Sweet corn popcorn .....	147
Parsley.....	18	Chinese cabbage .....	89	<b>BULB VEGETABLES</b>	
Other herbs.....	20	Pak choi .....	90	Leek .....	149
<b>HERB YOUNG PLANTS</b>		Kale cabbage.....	91	Onion.....	150
Organic herb young plants .....	25	Red cabbage .....	92	Echalion shallot.....	153
<b>MICROGREENS</b>		White cabbage .....	94	Shallot.....	153
Microgreens .....	27	Savoy cabbage.....	96	Welsh onion - Bunching onion.....	154
<b>LEGUMES</b>		Kohlrabi .....	97	<b>BULB VEGETABLES SEEDLINGS</b>	
Broad bean .....	29	Swede .....	98	Onion.....	157
Edamame (vegetable soya).....	29	<b>LEAF VEGETABLES</b>		Shallot.....	157
Dwarf french bean (green bean) .....	30	Lettuce greenhouse.....	100	Garlic.....	158
Bean climbing .....	32	Outdoor lettuce .....	102	Wild garlic.....	158
Scarlet runner bean .....	32	Asparagus lettuce.....	109	<b>PRODUCT RANGE EXPANSION</b>	
Snap pea.....	33	Baby leaf.....	110	Flower meadows .....	161
Sugar pea climbing.....	33	Bredes mafane .....	116	Herbs for plant strengthening.....	161
Sugar pea .....	34	Cress (water cress) .....	116	Green manure and catch crops.....	162
<b>FRUIT VEGETABLES</b>		Wrinkled crinkled cress .....	116	Accessories .....	163
Artichoke .....	36	Corn salad .....	117	Accessories (continued).....	164
Cucumber rootstock .....	36	Dandelion .....	117	Sowing machines for horticulture .....	164
Cucumber .....	37	Endive .....	118	Plant labels.....	165
Kiwano .....	40	Smooth leave endive.....	120	Fertiliser recommendations.....	166
Cucumber pickling.....	41	Purslane.....	120	Sowing recommendations .....	167
Eggplant.....	42	Winter purslane.....	120	Resistances & diseases.....	168
Melon .....	44	Sugarloaf chicory.....	121	Eco guidelines .....	170
Watermelon .....	46	Spinach.....	122		
Watermelon rootstock .....	48	New zealand spinach.....	123		
Okra.....	48	Swiss chard .....	124		
Physalis .....	48	<b>ROOT VEGETABLES</b>			
Hot pepper.....	49	Carrot .....	126		
Sweet pepper .....	51	Celery.....	130		
Sweet pepper rootstock .....	54	Chervil root.....	131		
Squash - pumpkin .....	58	Chicory witloof .....	131		
Pumpkin - halloween.....	63	Fennel .....	132		
Ornamental gourd.....	64	Parsley root .....	133		
Tomato.....	66	Salsify .....	133		
Tomato rootstock.....	79	Parsnip.....	134		
Zucchini.....	81	Radish.....	135		
		Winter radish .....	138		
		Rhubarb .....	139		
		Red beet.....	140		
		Turnip .....	142		

# A successful family history

As the son of a seed dealer from Colmar, Serge Voltz founds his vegetable and flower seed trading company in the centre of Colmar in 1985, which he logically calls GRAINES VOLTZ (VOLTZ SEEDS). The town's vegetable gardens and nurseries are in close proximity.

Within 38 years, GRAINES VOLTZ develops into the most important independent French family business in this market sector. The company impresses with its special values and its attention to the needs of its customers. The company provides above-average customer service and well-coordinated support.

Over the years, Serge Voltz and his brother and CFO Christian succeed in attracting further experts with enthusiasm for their products to expand their growing operations.

Today, GRAINES VOLTZ works every day with more than 400 employees to keep you satisfied.



Father VOLTZ in front of the Voltz-Vesper seed shop, Colmar, 1973

## COMPANY VALUES AND PRINCIPLES

Serge Voltz develops a first series of organic vegetable seeds in 1998, convinced that the agriculture of tomorrow will develop into a healthier diet, as well as a more respectful treatment of food and people. He accepts the challenge of offering organic vegetable growers as great a variety of seeds as conventional growers. Organic seeds should meet the same high quality standards and be equally reliable.

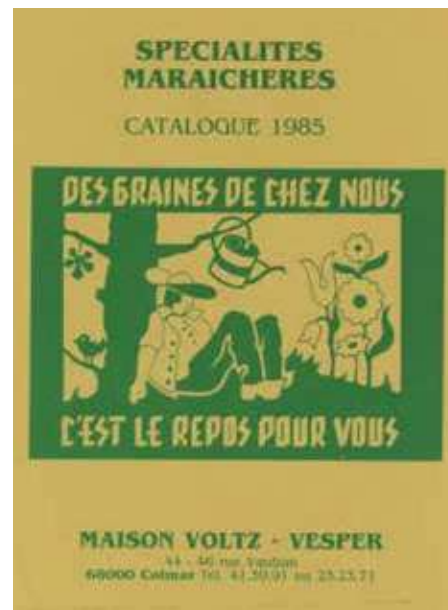


Fleurette Voltz, whose maiden name was Vesper, seen here propagating tomato seeds.

## OUR COMPLETE, MULTI-FACETED AND VIABLE RANGE

For 25 years, the GRAINES VOLTZ team has been focusing on the developments in organic farming and has been assisting and advising vegetable gardeners in setting up or converting their businesses. In consideration of your needs and in the desire to allow you to do what you believe in, we have decided to offer you a wide range of open-flowering and F1 hybrid varieties.

Year after year, we revise our product range with the main aim of introducing and incorporating a maximum selection of organic varieties. We are ready to adapt to the continuous legal amendments, to make changes and to work hand in hand with our suppliers. Together with our certification body and the national authorities, we select the ideal producers for your seeds. Our product range and our packaging materials are constantly being adapted to suit your different needs.



First seed catalogue "Vegetable specialties" from the company Voltz-Vesper in 1985



Serge Voltz



More than 600 ORGANIC vegetable products, among them historical and new varieties of vegetables and herbs

## The history of HILD

## The history of HERMINA MAIER

1919

The company HILD Samen was founded in 1919 by Karl Hild as a family company in Marbach am Neckar.

1898

Founded in 1898, the Herrmann family first ran a seed shop in the Swabian town of Gönningen. At that time, people went from house to house with a so-called "knapsack" to sell daily quantities of goods. The knapsack, which still adorns our company logo today, hung over the shoulder and stomach.

1988

In 1988, HILD joined NUNHEMS, an international vegetable-growing company which operates in the world's most important producing countries and which today, as BASF Vegetable Seeds, under the Nunhems brand within BASF, embodies the vegetable seed business.

1928

Since 1928, the company has had its headquarters in Regensburg, known to everyone as 'HERMINA Samen'. Over the years, the company has continuously developed into one of the leading companies in the whole of Southern Germany and Austria.

2018

BASF Vegetable Seeds is one of the leading suppliers of vegetable seeds with a product range of more than 1,200 seed varieties in approx. 25 vegetable species.

1995

MAIER GRÜNLANDSAAT, based since 1995 in Bodenkirchen, was formed by the merger of the company SAMEN MAIER from Bodenkirchen and BAYERISCHEN GRÜNLANDSAAT from Plattling.

2019

HILD celebrates its 100th company anniversary.

2016

In 2016, both companies make a future- and customer-oriented decision and bundle their joint activities in the field of horticulture into a new company: HERMINA-MAIER GmbH.

2020

GRAINES VOLTZ acquires the portfolio of HILD and can thus further expand its cultivating and research activities, which today enable it to offer you diversified, powerful and original varieties

2020

Since October 2020, we have belonged to the company GRAINES VOLTZ France, which acquired our company.

2021

The VOLTZ MARAÎCHAGE brand was founded to facilitate distribution to vegetable growers and professionals in the sector.

VOLTZ MARAÎCHAGE

2022

The company HERMINA-MAIER changes its name to GRAINES VOLTZ DEUTSCHLAND

 GRAINES VOLTZ DEUTSCHLAND



# The product at the heart of our work

## THE PRODUCT: A PASSION

**VOLTZ MARAÏCHAGE** is a team driven by a passion for the product. Our development department is constantly listening to market developments, trends and, above all, to the new needs of vegetable farmers in terms of disease tolerance, unique products etc.

Our development team looks for the best varieties and most innovative products worldwide, working together with numerous partners and growers.

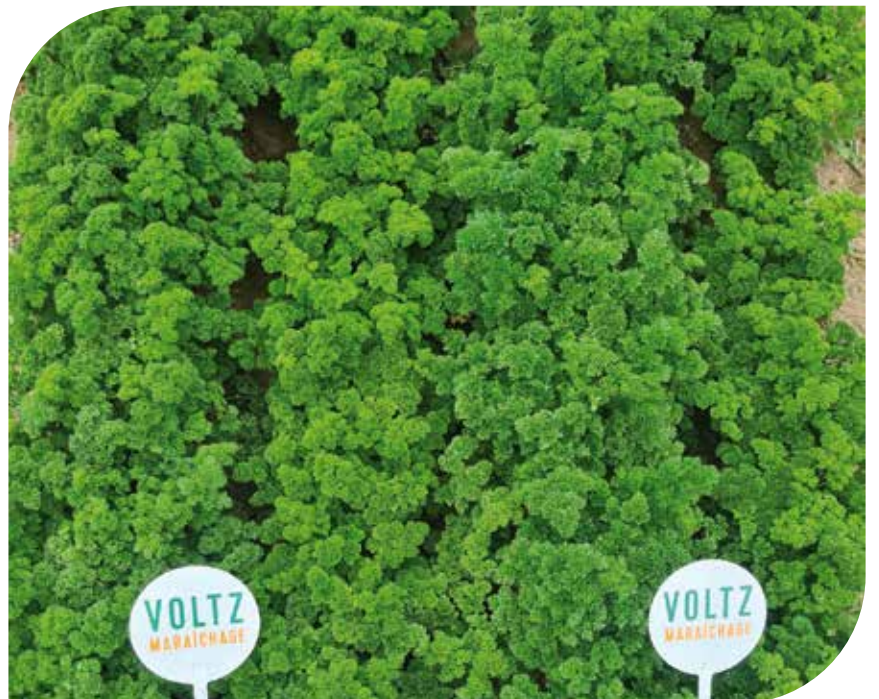


## A TEAM OF PRODUCT SPECIALISTS:

At **VOLTZ MARAÏCHAGE** the set-up and support of the field trials are mostly carried out by your technical and commercial experts. Each one of them is responsible for one or more species of which they have a good technical and market-related knowledge.

## VARIETIES THAT HAVE BEEN TESTED AND APPROVED PRIOR TO INCLUSION IN OUR CATALOGUES

The varieties are added to the **VOLTZ MARAÏCHAGE** catalogue after they have undergone a series of validation procedures, which are determined by the species. For this purpose, the varieties are tested in our network of partner vegetable farmers in Germany, Austria and Benelux.







*Onion trials in the Palatinate region*



*Rocket trials in Hamburg*



*Squash trials in Baden-Württemberg*



*Brassica trials in Lower Bavaria*



*Radish trials in Baden-Württemberg*

# Research and production

At GRAINES VOLTZ, the focus is on research and production. We develop our varieties directly and carry out numerous production programmes all over the world. These activities are controlled from France and the varieties are evaluated in our numerous screening stations in Europe and internationally. GRAINES VOLTZ thus accompanies its products throughout their entire life from cultivation to marketing.

## THE SELECTION IS WIDE

GRAINES VOLTZ is heavily involved in numerous research programmes, in particular in research **into the historical varieties of HILD SAMEN** at our research and testing station in southern Germany.

To this end, we invest considerable resources each year in materials and staff dedicated to experimentation, research and innovation (greenhouses, polytunnels, cultivation rooms, laboratory equipment etc.).

### Creation of new varieties

GRAINES VOLTZ is always open to new trends such as vertical farming or urban agriculture, but also to organic farming, and selects the seeds that best meet the new agroclimatic, legal and ecological requirements. We select the most interesting individuals according to genetic and phenotypical criteria and experiment with them on special plots to investigate their behaviour under real-life conditions.

The variety selection requires years of work. Our research focuses on the species for which GRAINES VOLTZ has become an undisputed specialist:

- **Basil** with improved organoleptic properties and resistance to certain diseases (Fusarium, mildew etc.),
- **Flat and curly parsley** with dark colours, smooth leaves and disease resistance,
- **Chives** with upright growth and strong stems, suitable for various storage conditions,
- **Coriander**, suitable for all types of growing conditions
- **Climbing beans**, adapted to all geographical areas,
- **Radishes** suitable for all growing conditions, with homogenous and stable shapes and colours,
- But also other crops such as **leaf vegetables, dill, thyme** etc.

Every year, several thousand new varieties are examined, tested and selected to offer varieties that are efficient in terms of yield, vitality, plant quality, disease resistance, early maturity, fruit quality and also size. Every year, the investments made by GRAINES VOLTZ in research and development lead to the inclusion of new vegetable varieties in the official European catalogue of varieties.



## ■ Preservation and propagation of basic seeds

From the introduction of a variety and throughout its commercial life, the research team is responsible for the propagation and preservation of the basic seeds, which serve as a raw material for the growers responsible for the production of our commercial seeds. The preservation work is particularly important in order to avoid genetic drift.

## ■ Control of varietal purity

The research team is also responsible for testing the seeds which come from production in the field or in the greenhouse. The aim of these tests is to ensure that the variety is correct, that the seed batch is pure and does not contain mixtures with other varieties or off-types. In this way, our customers can be sure that they are buying the best seeds with which they will be completely satisfied.



## PRODUCTION

The production department is the guarantee for the exceptional quality of GRAINES VOLTZ seeds.

It is supported by a broad network of specialised growers spread throughout the world to supply GRAINES VOLTZ with high-quality seed the whole year through.

Under cover or outdoors, GRAINES VOLTZ produces seed from its own plant genetics, and also numerous varieties from the public sphere, where GRAINES VOLTZ has positioned itself as a specialist in safeguarding varieties that are rare or difficult to procure. This enables us to manage and secure our stocks according to our needs and the needs of our customers, so that we can have seeds available throughout the year.



# The quality of GRAINES VOLTZ

## ORGANIC SEEDS: OUR FIELD OF EXPERTISE

For more than 35 years, GRAINES VOLTZ has been developing and strengthening its professional knowledge in the field of climate and environmental conditions for seeds for horticulture. To this end, our entire team is constantly developing new methods to meet the quality requirements of the market and of our customers.

Seeds are a natural product. The quality and the final result also depend on the changing environmental conditions. The germination capacity of our precision seeds and pelleted seeds is tested very thoroughly by us in accordance with the guidelines and tolerances of ISTA(1).

■ The stated germination capacity values for our precision

## CERTIFICATES AND WARRANTIES

The company GRAINES VOLTZ is certified:     
 GRAINES VOLTZ is monitored by the inspection body ECO CERT France SAS and GRAINES VOLTZ DEUTSCHLAND by ABCERT AG -BIO Kontrollstelle: E-ÖKO-006

Seed quality is GRAINES VOLTZ's most important concern. Therefore, our quality department systematically checks physical and sanitary quality as well as germination. Strict procedures for the control of permits and stocks have thus been introduced. These consist particularly of tests for variety identification and purity, specific purity, germination and the detection of pathogens. The majority of these analyses are carried out by our team in the GRAINES VOLTZ laboratory, in compliance with the ISTA(1) standard.

**Indicative standards for the germination rate of our precision seeds:** These are minimum values to which GRAINES VOLTZ is committed, depending on the species and seed type.

Species	Precision seeds	Pelleted seeds
Beets	90%	-
Brassicas (cabbage, red cabbage, Milan, cauliflower, broccoli)	90%	-
Celery	90%	90%
Charentais melon	95%	-
Chicory (curly and escarole)	90%	92%
Corn salad (lamb's lettuce)	90%	-
Cucumber	92%	-
Eggplants	90%	-
Fennel	85%	90%
Hot/sweet pepper hybrid	90%	-
Hybrid carrot	85%	-
Hybrid leek	90%	90%
Hybrid tomato	92%	-
Leek OP	85%	90%
Lettuce	93%	95%
Melon, other	90%	-
Onion	90%	-
Parsley	85%	-
Radish	92%	-
Spinach	85%	-
Sweet corn	90%	-
Watermelon	90%	-
Witloof chicory	85%	-
Zucchini	92%	-

seeds and pelleted seeds are the minimum values to which GRAINES VOLTZ is committed. They are determined in accordance with the guidelines and tolerances of ISTA(1) and are valid at the time of delivery.

■ If the seeds supplied were not going to meet these requirements, GRAINES VOLTZ would notify you.

The ECO CERT and A-B CERT certificates can be downloaded from our new website: Internet in the "Documentation" area, "Useful documents" section:

 <https://da.dk.voltz-maraichage.com/documentations/documents-utiles>

 <https://cs.cz.voltz-maraichage.com/documentations/documents-utiles>



Laboratory team



Organic seed storage

## PRODUCT TYPES

- Standard seeds:** seeds which are generally not subject to any special treatment and are sold by weight and individually. These seeds comply with EU standards.
- Precision seeds:** precision seeds have been additionally processed. The seeds are of uniform size and have a high germination capacity. These seeds are sold individually.
- Coated seeds:** the film coating is the application of a coloured layer covering the entire surface of the seed. The original shape of the seed is retained. Additional constituents can also be included. The film coating is recognisable by coloured seeds.
- Pelleted seeds:** pelleting is the process of changing small or unshapely seeds into a uniform shape by applying fillers to the seeds to facilitate machine sowing. The pelleted seeds are sold individually.
- Pre-germinated seeds (priming):** pre-germination is the activation of the germination process in order to obtain a faster and, above all, more even germination. The seeds treated in this way are sold individually.



Parsnip seeds, normal and pelleted

## TESTS



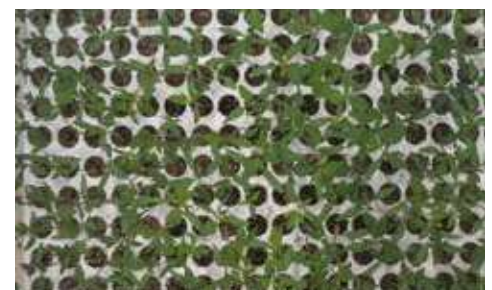
Germination on a Jacobsen table



Germination on folded paper



Germination on smooth paper



Germination in soil

**Germination:** the germination specifications refer to ISTA processes and are valid at the time of delivery.

**Purity of variety:** the degree of purity of the variety defines the percentage of plants of the variety in question.

**Our products are intended for professional vegetable production and comply with EU standards.**



Seed treatment machine

# The range is being expanded!



**Chives 6 new varieties**  page 16



**Dill Lena**  page 17



**Dwarf French bean Elmore** page 31



**Mini cucumber Iznik F1**  page 39



**Eggplant Gioleta F1**  page 43



**Hokkaido Rotorua F1**  page 59



**Tomato Yellow Donut** page 79



**Chinese cabbage Trevor F1** page 90



**Rocket Iris**  page 111



**Mitsuba flat-leaf** page 113



**Carrot Amiva** page 127



**Celery Victoria F1** page 130



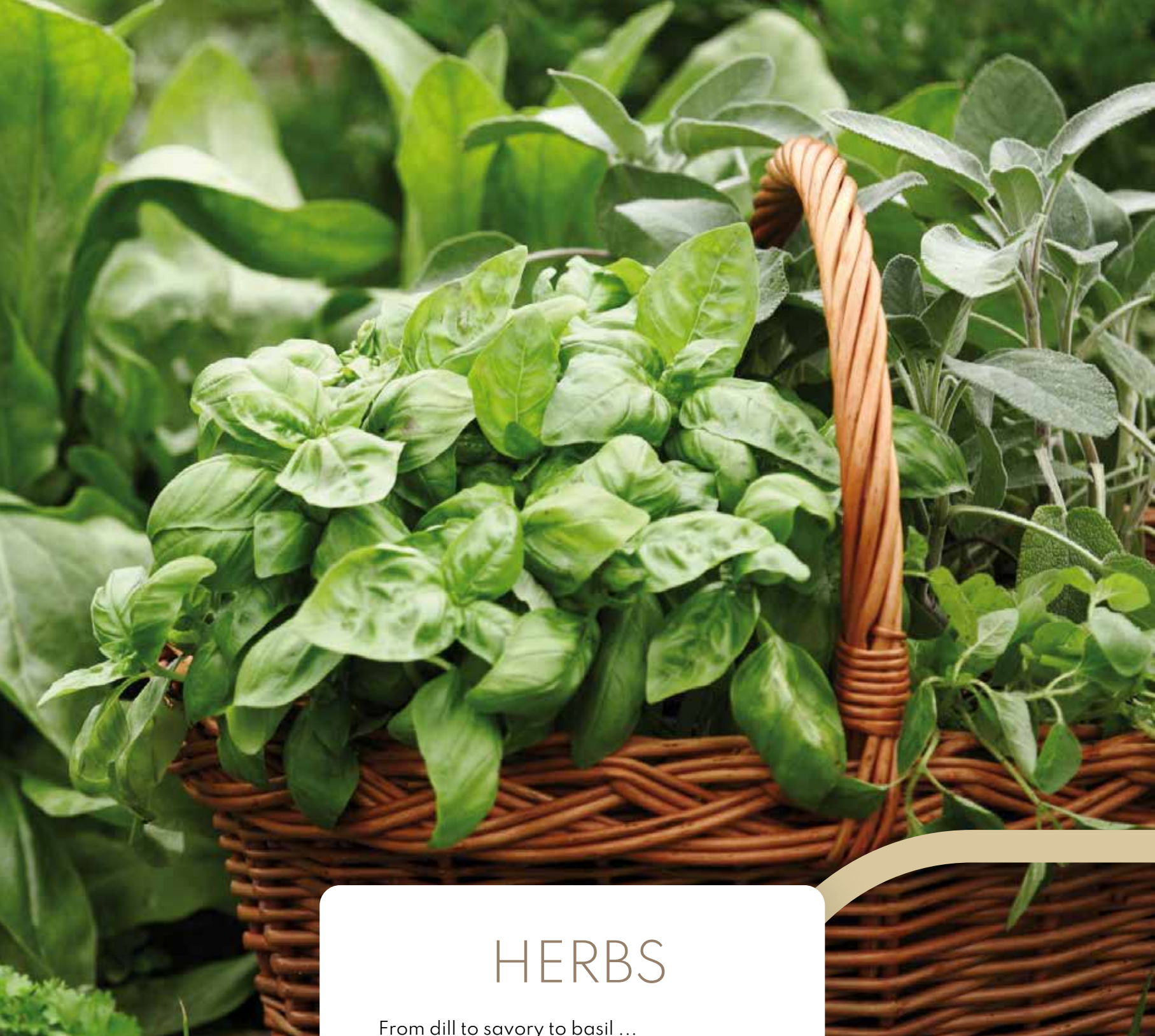
**Radish Annabel F1**  page 135



**Red Beet Formaniva** page 141



**Sweet corn Shinerock F1** page 147



# HERBS

From dill to savory to basil ...  
The best varieties of herbs.  
An assortment enriched with the genetics  
of a specialist breeder: HILD Samen.

**Basil** *Ocimum basilicum* L.**Sowing:**  
February to June**Seed requirements:**  
3 g for 1,000 plants  
6-8kg/ha  
5 to 10 seeds/clump**Pre-cultivation:**  
7 to 9 weeks**Growing temperature:**  
18-22°C.**Seed rate:**  
100 seeds/m linear  
25 to 28 cm between rows**TECHNICAL NOTE**

In recent years, basil plants have been severely affected by late blight. This fungus deforms and withers the leaves. It causes spots (chlorotic lesions) and makes the plant unmarketable. Genetic improvement is still

the only effective way to combat this pathogen. We have selected 4 new varieties with a high tolerance to the existing mildew species: **Fortifino**<sup>®</sup>, **Fortilargero**<sup>®</sup>, **Loki**, **Garibaldi**.

**FORTILARGERO**<sup>®</sup> F1(1)

Flexibility and resistance

**FORTIFINO**<sup>®</sup> F1(2)**LOKI****GARIBALDI****BONAZZA****GRAND VERT****GUSTOSA****LUCIA**

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>Genovese type</b>						
<b>BONAZZA</b>	Fresh food and industrial market	40-45	Genovese type with shiny, dark green leaves Very robust against Fusarium and Botrytis, long durability after cutting, very good shelf life and transportability.	Untreated	10 g	058257NS
<b>FORTIFINO</b> <sup>®</sup> F1(2)	Fresh	50-60	Basil type and Genovese aroma. Leaves smaller than Fortilargero <sup>®</sup> . Fast cycle. Very high tolerance to mildew. Rapid regrowth between 2 cuts.	Organic	5,000 seeds	058251BG
<b>FORTILARGERO</b> <sup>®</sup> F1(1)	Fresh, pot	40-45	Type and Genovese aroma. Large, dark green leaves. Very high tolerance to mildew. Flowering slow to start.	Organic	5,000 seeds	058250BG
<b>GARIBALDI</b>	Pot	20-40	Top grower of the Genovese type, year-round, with an HR resistance to downy mildew (Peronospora); remains very compact even at high temperatures and does not shoot for a long time.	Untreated	10 g	058077NS
<b>GRAND VERT</b>	Fresh food market	50-60	Very uniform selection. Good shelf life after harvest. Large, slightly crinkled leaves.	Organic	10 g	058042BS
<b>GUSTOSA</b>	Pot	20-40	Genovese type, particularly suitable for pot cultivation, very uniform variety with dark green, slightly curved leaves. Suitable for year-round production.	Organic	10 g	058079BS
<b>LOKI</b>	Fresh food and industrial market	22	New generation Genovese type with good mildew tolerance. Homogenous product that behaves well even in cold conditions.	Organic	10 g	058253BS
<b>LUCIA</b>	Pot	30-40	Compact pot basil for year-round production, flat, only slightly curved leaves, horizontal leaf position, easy to pack, very robust and upright, long shelf life after harvest.	Untreated	10 g	058259NS
<b>RUDY</b>	Pot	20-40	A compact, late-flowering Genovese type pot basil; the relatively large leaves are deep dark green and slightly shiny; Rudy's great advantage is its combination of uniformity and speed; the very thick leaf stems require excellent transportability and a long retention time with the end user; Rudy is ideally suited for year-round cultivation.	Untreated	10 g	058088NS





**GRENAT**



**LUCIE**



**PLUTO**



**RUBRA**



**CANNELLE**



**CITRON**



**HELIOS**



**THAI SITA**



**THAI SIAM**

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>Other types</b>						
<b>GREG</b>	Pot	20-40	Untreated. Greek basil with small, pointed leaves, dark green colour, very uniform.	Untreated	10 g	058083NS
<b>PLUTO</b>	Fresh	18	Small leaf basil. High-yield, well-branched variety with a very aromatic flavour.	Untreated	10 g	058262NS
<b>GRENAT</b>	Fresh	40-50	Very highly scented. Very low proportion of green leaves.	Organic	5,000 seeds	H58049BG
<b>LUCIE</b>	Pot and fresh food market	20-30	Replacement for Crimson King. Intense red basil, compact, upright development	Untreated	5,000 seeds	058001NG
<b>RUBRA</b>	Fresh	30-50	Uniform and compact growing, exceptionally uniformly dark red coloured basil, very well suited for pot cultivation.	Untreated	10 g	058263NS
<b>CANNELLE</b>	Fresh	60-70	Purple stem. Cinnamon aroma. Speciality.	Organic	10 g	058051BS
<b>CITRON</b>	Fresh	50-60	Special lemon aroma.	Organic	10 g	058048BS
<b>HELIOS</b>	Fresh	25	Fine-leaved lemon basil, combines the basil and lemon aroma in one variety, fast growing.	Untreated	10 g	058258NS
<b>THAI SITA</b>	Pot	20-40	Thai basil with very good, sweetly aromatic flavour and pleasantly exotic scent.	Untreated	10 g	058264NS
<b>THAI SIAM</b>	Fresh	50	Very aromatic and very consistent. Early flowering.	Organic	10 g	058054BS

**Chives** *Allium schoenoprasum* L.**Sowing:**  
Year-round**Seed requirements:**  
6-8 seeds/bale  
8-10 kg/ha**Growing temperature:**  
15 - 20 °C.**Density of sowing:**  
200/l linear  
25 cm between rows**Germination time:**  
10 to 18 days**DIVONNE** 🌱**DOLORES** 🌱**FITLAU** 🌱**MARLAU F1** 🌱**POLYREX** 🌱**POLYSTAR** 🌱**POLYUP** 🌱**POLYVERT** 🌱

Varieties	Use	Height in cm	Characteristics	Seed requirements for 1,000 plants	Product type	Min Qty	Item no.
<b>DIVONNE</b> 🌱	Cutting, pot	30	Good regenerative capability. Stable, very vigorous variety. Very suitable for forcing. Medium to coarse variety with fleshy, dark to blue green stalks.	10 g	Untreated	10 g	058102NS
<b>DOLORES</b> 🌱	Cutting, pot	30-35	Very vigorous and stable variety. Uniform, upright growth. Ideal for forcing. Fine to medium coarse stalk variety with dark green stalks.	10 g	Untreated	10 g	058213NS
<b>FITLAU</b> 🌱	Cutting, pot	30-35	Very robust, dark green variety. Ideal for forcing. Medium-coarse stalk variety with stable stalks, upright growing and vigorous; early and very even budding; ideal for pot forced cultivation; highest resistance to rust.	10 g	Untreated	10 g	058092NS
<b>MARLAU F1</b> 🌱	Industrial market	50	Uniform hybrids. Very robust against rust. Suitable for fresh food market and industry. Very high yield.	10 g	Untreated	10 g	058266NS
<b>POLYREX</b> 🌱	Pot	50	Coarse, dark green stalks, suitable for direct sowing.	10 g	Untreated	10 g	058275NS
<b>POLYSTAR</b> 🌱	Cutting, pot	25-30	Fast-growing, dark green selection. Not prone to yellow leaf tips. Very suitable for pot production	10 g	Untreated	10 g	058097NS
<b>POLYUP</b> 🌱	Fresh food and industrial market	45	Dark green, extremely upright and stable. Very high yield, even in the second and third year after sowing. Not prone to yellow leaf tips. Suitable for fresh food market and industry. Dark green variety, extremely upright and stable, very high yield, even in the second and third year after sowing. Not prone to yellow leaf tips.	60 g	Untreated	10 g	058267NS
<b>POLYVERT</b> 🌱	Fresh food and industrial market	45	Very dark green, coarse-stalk variety; thick-walled, very upright and robust. Flexible in cultivation, which remains homogenous even after several cuts.	60 g	Organic 🌿	10 g	058095BS

**Coriander** *Coriandrum sativum* L.**Sowing:** March to July**Seed requirements:** 30 for 1,000 plants  
6 kg/ha  
4 seeds/bale**Growing temperature:**  
15 - 20 °C.**Density of sowing:**  
100 per running metre  
25 between the rows**SHANGHAI** 🌱**EAGLE®** 🌱**ATLAS®** 🌱

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>A PETITE GRAINE (SMALL SEED)</b>	Fresh food market, seeds	60	Requires a sunny location. The leaves and the seeds can be harvested.	Organic 🌱	10 g	058111BS
<b>ATLAS®</b> 🌱	Fresh food market	30	Very dark green variety, late shoots, very robust. High-yield, for outdoor and greenhouse cultivation.	Organic 🌱	10 g	058254BS
<b>CALYPSO</b>	Fresh food and industrial market	60	The most bolt-resistant variety on the market.	Untreated	5,000 seeds	H58116NG
<b>CONFETTI</b>	Pot	25-30	Coriander speciality with long, deeply pinnate leaves.	Untreated	5,000 seeds	H58119NG
<b>EAGLE®</b> 🌱	Fresh, pot	50	Dark green leaves. Very late shooting. Fairly compact plant.	Organic 🌱	10 g	058112BS
<b>GREEN BUSH</b>	Pot	60	Exceptional, upright type, very compact; for year-round cultivation in a pot; highly bolt-resistant.	Untreated	10 g	H58120NS
<b>MARINO</b>	Fresh	40	Tightly pinnate leaf coriander for cutting, with thin stems; relatively late shoots.	Organic 🌱	25,000 seeds	H58122BG
<b>SHANGHAI</b> 🌱	Pot	25	Very compact, exceptionally upright type for growing from August to March. Excellent taste.	Untreated	10 g	058268NS

**Dill** *Anethum graveolens* L.**Sowing:** February to July**Seed requirements:** 8 kg/ha  
6-7 seeds/bale  
20g for 1,000 plants**Pre-cultivation:** 9 - 11 weeks**Growing temperature:** 15 - 20 °C.**Density:** 30 cm between rows  
20 cm in a row**LENA** 🌱**ANETTE****HERA** 🌱**THALIA** 🌱

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>ANETTE</b>	Fresh, pot	100-150	Healthy, medium green, late flowering and thick-leaved variety for outdoors and especially for pots, as it is a little more compact and the leaves are laid directly over the pot/ground.	Untreated	10 g	H58026NS
<b>HERA</b> 🌱	Fresh food and industrial market	40-50	Highly bolt-resistant dill, tight plant structure resulting in an enormous amount of leaf mass.	Organic 🌱	10 g	058024BS
<b>LENA</b> 🌱	Pot	25	Very dark green, upright variety, suitable for pot cultivation as well as for cutting production in spring and autumn. Large leaf pinnation.	Untreated	10 g	058255NS
<b>THALIA</b> 🌱	Fresh food and industrial market	40-50	All-round variety for all cultivation sectors. Very dark green, late shooting dill with high yields. Very robust.	Organic 🌱	10 g	058023BS

## Parsley *Petroselinum crispum* Mill L.

### Sowing:

January to September

### Seed requirements:

4 to 9 kg/ha  
10 g for 1,000 soil blocks  
8-10 seeds per soil block

### Pre-cultivation:

5 to 8 weeks

### Germination:

10-28 days



### Seed rate:

0.6 to 1.2 million plants/ha  
Row spacing from 25 to 35 cm  
and 100 plants per metre



AFRODITE 🌱



DARKI 🌱



STARLETT 🌱



GRÜNE PERLE



LISETTE 🌱

Varieties	Leaf shape	Leaf	Colour	Characteristics	Min Qty	Product type	Item no.
<b>Curly parsley</b>							
AFRODITE 🌱	Curly	Medium-sized	Dark green	Dark variety with rapid development. Ideal for year-round production in pot cultivation. Very upright. Homogenous in colour and leaf shape. The compact growth guarantees a long shelf life in the pot.	50 g	Untreated	047014NS
DARKI 🌱	Curly	Medium-sized	Dark green	Very dark curly parsley type for year-round cultivation; easy to harvest due to the extremely upright position of the leaf. Suitable for pot cultivation, fresh food market and industry. Medium coarse, can also be grown under glass. Suitable for fresh food market and industry.	50 g	Untreated	047017NS
GRÜNE PERLE	Very finely curled	Medium-sized	Dark green	Curly parsley type. All-round variety for outdoor and pot cultivation, excellently suited for wintering due to the very low bolting tendency.	50 g	Organic 🌿	047003BS
LISETTE 🌱	Curly	Medium-sized	Dark green	Selection of the curly parsley type, finely curled with a fresh green colour. Very fast development. Lisette shows very good results in wintering. Low bolting tendency, ideal for pot cultivation.	50 g	Untreated	047022NS
STARLETT 🌱	Curly	Medium-sized	Dark green	Excellent for outdoor and pot cultivation, perfect combination of dark colour and short cultivation period: heavy, tightly filled leaf cushions on strong stems, robust curly parsley type with medium-coarse leaf curl; very good durability after harvesting.	50 g	Untreated	047015NS



Varieties	Leaf shape	Leaf	Colour	Characteristics	Min Qty	Product type	Item no.
<b>Smooth parsley</b>							
<b>GIGANTE D'ITALIA</b>	Smooth	Large	Green	Very aromatic. Broad, flat leaves. Upright, fairly strong stems.	50 g	Organic 🌱	047002BS
<b>GIGANTE D'ITALIA HILMAR</b> 🌱	Fine curl	Small	Green	Robust, dark green, intensively aromatic parsley. Large and smooth-leaved, on strong stems. High yield.	50 g	Organic 🌱	047040BS
<b>GIGANTE D'ITALIA SPLENDID</b> 🌱	Smooth	Large	Green	Very uniform selection. Medium-high Very good colouration. Very high yield.	50 g	Organic 🌱	047010BS
<b>LAICA</b> 🌱	Flat	Large	Green	'Gigante d'Italia' type with very large leaves. Dark green variety for fresh food market and industry. Smooth parsley with very fast development and high yields. Good regenerative capability.	50 g	Organic 🌱	047042BS
<b>LION</b> 🌱	Flat	Large	Dark green	Good durability in the field; ideal combination of large leaf and compact, very stable and upright stems. HR: Pp; IR: Sp. Resistance to downy mildew and Septoria.	50 g	Untreated	047043NS
<b>MENUETTE*</b> 🌱	Pinnate	Large	Dark green	New, exclusive parsley variety with intense taste and special leaf shape.	50 g	Untreated	047041NS

## Anise



## Borage



## Burnet



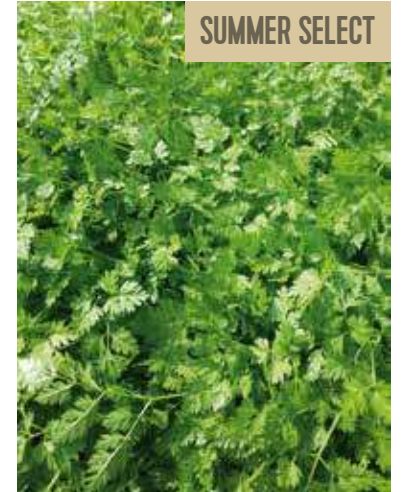
## Caraway



## Chamomile



## Chervil



Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>Anise</b> <i>Pimpinella anisum</i>						
<b>ANISE</b>	Pot	50	Use: dry fruit for bakery products, spirits and liqueurs.	Untreated	10 g	058030NS
<b>Borage</b> <i>Borago officinalis</i>						
<b>BLUE</b>	Fresh, pot	60	Sensitive to frost; use: young leaves and tips, especially for cucumbers, tomatoes, potato salad and the raw fruit & veg; loses its taste during cooking.	Organic	10 g	058071BS
<b>WHITE</b>				Organic	10 g	058078BS
<b>Burnet</b> <i>Sanguisorba minor</i>						
<b>BURNET</b>	Fresh, pot	60	Harvest: May–November young leaves and shoots; use: to refine sauces and salads, cucumber-like taste.	Untreated	10 g	058165NS
<b>Caraway</b> <i>Carum carvi L.</i>						
<b>CARAWAY</b>	Fresh, pot	100	Loamy soils are high-yield locations; direct sowing; use: classic spice for heavy dishes, bread, jacket potatoes; leaves have a mild parsley-dill flavour that goes well with soups and salads.	Untreated	10 g	058121NS
<b>Chamomile</b> <i>Matricaria recutita</i>						
<b>MATRICARIA</b>	Fresh food market	40	Camomile with small white flowers ( <i>Matricaria recutita</i> ).	Organic	5 g	058073BS
<b>Chervil</b> <i>Apium graveolens L. var. rapaceum</i>						
<b>FRISE FIN</b>	Fresh, pot	20–40	Dark green, finely curled.	Organic	10 g	058081BS
<b>MASSA</b>	Fresh, pot	30–40	Dark green leaves. Good bolt-resistance.	Organic	10 g	058080BS
<b>SUMMER SELECT</b>	Fresh food and industrial market	50	Slowly growing, dark green; for cultivation in summer.	Untreated	100 g	H58089NS

## Fennel



BRONZE

## Garlic chives



GARLIC CHIVES

## Hyssop



OFFICIALIS

## Lavender



VRAIE

## Leaf celery



COMMUN

## Lemon balm



CITRONELLA

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>Fennel</b> <i>Foeniculum vulgare</i>						
<b>BRONZE</b>	Spice	150-200	Ancient, originally Mediterranean cultivated plant; requires a warm location with moderately dry, nutrient- and alkaline-rich clay or loess soil; very fast variety for early cultivation outdoors and under glass.	Untreated	10 g	058126NS
<b>GENTLE</b>	Spice	150-200		Organic	10 g	058159BS
<b>Garlic chives</b> <i>Allium tuberosum</i>						
<b>GARLIC CHIVES</b>	Spice	30	Also called Chinese chives. Flat, dark green leaves, approx. 30 cm. Good resistance to rust, downy mildew. Can be forced in winter.	Organic	10 g	058108BS
<b>SHIVA</b>	Fresh food and industrial market	30-35	Very vigorous and high-yield variety with pleasant garlic taste. Use of fresh leaves - similar to chives. The stalks remain healthy and sprout again after cutting. Annual to biennial.	Untreated	10 g	058265NS
<b>Hyssop</b> <i>Hyssopus officinalis</i>						
<b>OFFICIALIS</b>	Fresh, pot	60-100	Young leaves are chopped finely for salads and vegetables; ingredient in Chartreuse (liqueur); also used in the production of perfume.	Organic	10 g	058128BS
<b>Lavender</b> <i>Lavandula angustifolia</i>						
<b>VRAIE</b>	Fresh, pot, cut	-	Multi-year herb which prefers calcareous soil and a sunny location. This aromatic, bushy herb flowers from the second year.	Organic	10 g	058135BS
<b>Leaf celery</b> <i>Apium graveolens</i>						
<b>COMMUN</b>	Fresh food market	120	Conventional variety. Very aromatic.	Organic	10 g	058076BS
<b>Lemon balm</b> <i>Melissa officinalis</i>						
<b>CITRONELLA</b>	Fresh, pot	60-80	Long-lasting herb plant which can reach 25 to 30 years old; forms a rhizome from which short, subterranean offshoots emerge; for targeted use, lemon balm is grown as a biennial to triennial crop; cultivation is carried out either by planting young plants propagated from March onwards in May or September or by sowing on the spot in May; use: cultivated as a spice, medicinal and bee pasture plant; as a kitchen spice; for flavouring cold drinks, salads, sauces and stewed fruit. Especially intense, refreshing taste, especially suitable for growing in pots.	Organic	1 g	058145BS

## Lovage



## Marjoram



## Mint



## Mugwort



## Oregano



Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>Lovage</b> <i>Levisticum officinale</i>						
<b>LOVAGE</b>	Fresh	150-200	Lovage, a perennial herb plant with an intense, aromatic scent.	Organic	10 g	058005BS
<b>Marjoram</b> <i>Origanum majorana</i>						
<b>ANNUAL MARCELKA</b>	Pot and outdoors	40-60	Easy, for pot and outdoor cultivation.	Untreated	10 g	058127NS
<b>ANNUAL MAX</b>	Pot	40-60	Strong stalk, dark green foliage, also for winter cultivation.	Untreated	10 g	H58130NS
<b>Mint</b> <i>Mentha</i>						
<b>GREEN (spicata)</b>	Fresh, pot	30	Refreshing fragrance with a spicy mint aroma.	Organic	1 g	058151BS
<b>PEPPERMINT (piperita)</b>	Fresh, pot, cut	60-80	The leaves smell very peculiar, fleetingly balsamic and taste pleasantly spicy, initially warming, then strikingly cooling; the leaves contain essential peppermint oil; use: as a tea or spice;	Untreated	1 g	058150NS
<b>Mugwort</b> <i>Artemisia vulgaris</i>						
<b>MUGWORT</b>	Fresh, pot	200	Harvest: Inflorescences: just before flowering remove leaves from the inflorescences, as these are very bitter. Use: Panicles with closed flower buds for seasoning roast meat.	Untreated	100 g	058033NS
<b>Oregano</b> <i>Origanum vulgare</i>						
<b>GREEK</b>	Pot	35	Dry and sunny location; hardy in moderate latitudes; harvest: cut whole stems a hand's width above the ground and hang in a dark room to dry; after drying, the leaves can be stripped from the stalk and stored dry; use: a very important spice in Italian and Spanish cuisine, but also widely used throughout the rest of the Mediterranean; very suitable for omelettes, Italian sauces, tomato dishes, lamb or vegetable casseroles, as well as pizza.	Organic	1 g	058156BS
<b>VULGAR</b>	Fresh, pot	40-50		Organic	1 g	058155BS



Rosemary



OFFICIAL

Rue



Sage



CERES

Sorrel



DE BELLEVILLE



NEW

RED

Stevia



REBAUDIANA

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>Rosemary</b> <i>Rosmarinus officinalis</i>						
OFFICIAL	Fresh, pot	60	Fairly fine green leaves. Fairly late blooming. Typical Mediterranean vegetation; evergreen semi-shrub; germination time is four weeks; requires permeable, humus-rich soil; under dry conditions, the plant grows better; not hardy north of the Alps; harvest: whole sprigs, not single needles, year-round; use: barbecue seasoning, for meat, poultry, lamb, zucchini, potatoes, pasta products.	Organic	1 g	058175BS
<b>Rue</b> <i>Ruta graveolens</i>						
RUE	Fresh, pot	60	The leaves have an intense taste, so you need to be economical with them; the seasoning is recommended for different meat dishes (game, mutton), eggs, fish and cream cheese, salad, sauce, pastries and herb butter.	Untreated	5 g	058180NS
<b>Sage</b> <i>Salvia officinalis</i>						
FITNESS	Fresh, pot	70	Special selection for midsummer.	Untreated	10 g	H58138NS
CERES	Fresh, pot	70-80	High essential oil content.	Organic	10 g	058271BS
<b>Sorrel</b> <i>Rumex acetosa</i>						
DE BELLEVILLE	Fresh, pot	20-30	Late shooting. Perennial; loves loamy soil rich in nutrients and nitrogen; flowering period: extends from May to August; red flowers are formed on bare stems as a panicle; use: similar to spinach or mix with spinach to give a slightly more spicy flavour; also as a salad or in a creamy sorrel soup, as well as for sauces and omelettes.	Organic	10 g	058160BS
RED	Fresh, pot	30	Anthocyanin-coloured foliage. Variety resulting from propagation	Untreated	10 g	058269NS
<b>Stevia</b> <i>Stevia rebaudiana</i>						
REBAUDIANA	Fresh, pot	30-50	Plant originating in Paraguay. Sunny location. Pinch once to achieve better branching. Sowing from the beginning of March to the end of May.	Organic	100 seeds	058171BG

NEW

## Savory



SUMMER SAVORY (ANNUAL)



WINTER SAVORY

## Tarragon



RUSSIAN

## Thyme



VULGARIS D'HIVER



## Valerian

## Wormwood



Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>Savory</b> <i>Satureja hortensis</i>						
<b>SUMMER SAVORY (ANNUAL)</b>	Fresh food and industrial market	40–50	Harvest: for fresh food market, young leaves and shoots before flowering, for industry not to be cut too deep, as the stem content is too high; slowly dry at a maximum of 40°C; maintain crop rotation for at least 4 years; use: for seasoning beans, pickling cucumber, omelettes, stews and soups, as a salad seasoning.	Organic	10 g	058185BS
<b>Savory</b> <i>Satureja hortensis</i>						
<b>WINTER SAVORY</b>	Pot	20–30	Harvest: young leaves and shoots before flowering; use: for seasoning beans, gherkins, as a salad seasoning, for omelettes, stews and soups (not as intense as annual summer savory).	Organic	10 g	058186BS
<b>Tarragon</b> <i>Artemisia dracunculus</i>						
<b>RUSSIAN</b>	Fresh food market, pot	100–150	Use: for seasoning; harvest: young shoots or leaves several times a year; delicate anise aroma; content of spicy essential oils is highest just before flowering.	Organic	1 g	058124BS
<b>Thyme</b> <i>Thymus vulgaris</i>						
<b>VULGARIS D'HIVER (GERMAN WINTER)</b>	Fresh, pot	30	Hardy variety with very strong aroma.	Organic	5 g	058195BS
<b>Valerian</b> <i>Valeriana officinalis</i>						
<b>VALERIAN</b>	Pot and industry	150	Harvest: from the 2nd year onwards, the roots can be harvested from September to November.	Untreated	10 g	058206NS
<b>Wormwood</b> <i>Artemisia absinthium</i>						
<b>WORMWOOD</b>	Fresh, pot	100	Young leaves and inflorescences are used as tea.	Organic	5 g	058027BS

# Assortment of organic herbs

## Young plants

### HERB YOUNG PLANTS

**GRAINES VOLTZ DEUTSCHLAND** is an importer of **HISHTIL** young plants in Germany and Austria. We attach great importance to a direct, fast delivery, usually by our own plant shipping company or with competent parcel service partners. In general, we supply cuttings or young plants in **ORGANIC** quality as well as conventional goods throughout the year. Permanent quality controls and state-of-the-art, certified production facilities in Israel ensure successful cultivation right from the start. Ask us for a list of the complete range.



Artemisia drac. 'French Tarragon' ORGANIC  
Artemisia drac. 'Tolergon'™ ORGANIC  
Cymbopogon citratus ORGANIC  
Galium odoratum ORGANIC  
Helichrysum angustifolia 'Tall Curry' ORGANIC

Laurus nobilis 'Durabello'™ ORGANIC  
Lavandula angustifolia 'Durabello'™ 'BeeZee'™ 'Dark Blue' P ORGANIC  
Lavandula angustifolia 'Forever Blue' ORGANIC  
Lavandula stoechas 'Kew Red' ORGANIC  
Lippia citriodora 'Golden Wind' ORGANIC  
Lippia citriodora 'Goliath' ORGANIC  
Lippia citriodora ORGANIC  
Lippia dulcis 'GrowFlow'™ ORGANIC

Majorana syriaca 'Durabello'™ ORGANIC  
Mentha x piperita f. citrata Lime ORGANIC  
Mentha spicata 'Ingauno' ORGANIC  
Mentha spicata 'Kentucky Colonel' ORGANIC  
Mentha spicata 'Moroccan' ORGANIC  
Mentha spicata ORGANIC  
Mentha spicata 'Spanish' ORGANIC  
Mentha spp. 'Blackcurrant' ORGANIC  
Mentha spp. 'Berries and Cream' ORGANIC  
Mentha spp. 'Hillary's Sweet Lemon' ORGANIC  
Mentha suaveolens 'Apple Mint' ORGANIC  
Mentha x gracilis 'Ginger' ORGANIC  
Mentha x piperita f. citrata 'Basil' ORGANIC  
Mentha x piperita f. citrata 'Chocolate' ORGANIC  
Mentha x piperita f. citrata 'Orange' ORGANIC  
Mentha x piperita ORGANIC  
Mentha x piperita 'Strawberry' ORGANIC  
Mentha x piperita 'Swiss' ORGANIC  
Mentha x piperita 'Upright' ORGANIC  
Mentha x villosa 'Cubanito' ORGANIC

Ocimum basilicum D-fenceil ORGANIC  
Ocimum basilicum 'Magic Mountain'™ ORGANIC  
Ocimum basilicum 'Magic White' ORGANIC  
Oregano majorana 'Durabello'™ ORGANIC  
Origanum 'Supreme' ORGANIC  
Origanum vulgare 'Compactum' ORGANIC  
Origanum vulgare 'Hot And Spicy' ORGANIC  
Origanum vulgare ORGANIC

Rosmarinus officinalis 'Abraxas' ORGANIC  
Rosmarinus officinalis 'Barbecue' P ORGANIC  
Rosmarinus officinalis 'Foxtail' ORGANIC  
Rosmarinus officinalis 'GrowFlow'™ Haifa' ORGANIC  
Rosmarinus officinalis 'Hishtil Perigord' ORGANIC  
Rosmarinus officinalis 'Ingauno' ORGANIC  
Rosmarinus officinalis 'Speedy' ORGANIC  
Rosmarinus officinalis 'Upright' ORGANIC

Salvia 'Durabello'™ 'Maxima' ORGANIC  
Salvia officinalis 'Grower's Friend' ORGANIC  
Salvia officinalis hybrida '# 4' ORGANIC  
Salvia officinalis 'Icterina (Bicolour)' ORGANIC  
Salvia officinalis 'Purpurascens' ORGANIC  
Santolina viridis ORGANIC  
Satureja douglasii 'GrowFlow'™ Indian Mint' P ORGANIC  
Stevia rebaudiana ORGANIC  
Stevia rebaudiana 'Sugar Love' ORGANIC

Thymus citriodorus 'Fragrantissimus Orange' ORGANIC  
Thymus citriodorus 'GrowFlow'™ Lemonade' ORGANIC  
Thymus citriodorus ORGANIC  
Thymus citriodorus 'Variegated' ORGANIC  
Thymus spp. 'Rose' P ORGANIC  
Thymus Spp. 'Ruby Glow' ORGANIC  
Thymus Spp. 'Sparkling Bright'™ ORGANIC  
Thymus vulgaris 'Compactus' ORGANIC  
Thymus vulgaris 'Durabello'™ 'Faustinoi' ORGANIC  
Thymus vulgaris ORGANIC



EU- Pflanzenpass - Nr. DE-BY-213147

















## MICROGREENS

Microgreens are also known as a year-round Superfood . They contain a high concentration of vitamins, minerals and enzymes which is many times higher in these young plants than in prepared vegetables. A real vitamin concentrate!

VOLTZ Maraîchage has specially selected seeds for your production of microgreens. We offer a wide range of varieties that have been rigorously tested and selected to offer you the highest quality.

Peas, cress, rocket or radishes: we have selected only the best and adapted our packaging so that you can produce the most beautiful small shoots!

# Microgreens

Species	Development time (days)	Thousand seed weight in g	Stem colour	Characteristics	Seed leaf colour	Min Qty	Product type	Item no.
<b>BROCCOLI</b>	7-10	3-4	White	The shoots taste quite strong and spicy; especially delicious with salads, starters, meat and cheese.	Light green	500 g	Organic 	060005BS
<b>ROCKET</b>	5-6	2	White	Rocket shoots taste particularly spicy and are used with salads and pasta dishes.	Green-yellow	500 g	Organic 	060022BS
<b>BORAGE</b>	15-18	20	Green	The leaves are an intense green and may be slightly hairy. They are juicy and have a cucumber-like taste.	Green	500 g	Untreated	060004NS
<b>RED CABBAGE</b>	7-13	3-4	Red to intense purple.	Taste similar to ripe cabbage with a peppery note.	Red	1 kg	Untreated	060007NS
<b>DAIKON RADISH (MOOLI)</b>	7-11	10	White	Daikon radish (mooli) shoots have a high concentration of vitamins and minerals.	Green-yellow	1 kg	Organic 	060020BS
<b>WHITE MUSTARD</b>	7-11	6-7	White	Rich in proteins and carbohydrates, used with vegetables, salads and fresh cheese.	Green-yellow	1 kg	Organic 	060016BS
<b>RED BEET</b>	14-20	16-20	Red	Tasty with salads and appetisers, also suitable for mixed vegetable drinks.	Green-red	500 g	Organic 	060028BS
<b>CRESS</b>	6-10	2.5-3	White	Rich in vitamins and minerals, a little spicy, suitable with salads, sauces and spreads.	Intense green	1 kg	Organic 	060010BS
<b>NASTURTIUM</b>	15	120	Pink	Taste of pepper, mustard and even wasabi.	Green	500 g	Organic 	060006BS
<b>SWEET CORN</b>	12-14	180	Green	Beautiful golden leaves with an interesting, sweet taste.	Light green	500 g	Untreated	060013NS
<b>PEAS</b>	4-5	200	Light green	Pea shoots should be steamed or fried with pasta, risotto or polenta.	Green	1 kg	Organic 	060018BS
<b>AMARANTH</b>	-	0.4	Tricolour	Mild, delicately bitter and slightly sweet aroma, especially suitable with salad and as a garnish.	Dark red	250 g	Untreated	060001NS
<b>GREEN MIZUNA</b>	8-12	2-3	Green	Beautifully tender and spicy green leaves!	Green	500 g	Organic 	060014BS
<b>RED MIZUNA</b>	10-12	1	Green	Red shoots with green stem and red leaves, tangy and spicy taste.	Red	500 g	Organic 	060015BS
<b>KOMATSUNA (JAPANESE MUSTARD SPINACH)</b>	5-14	1-2	Red	Beautiful red colour, round taste and crisp texture.	Red	1 kg	Untreated	060011NS
<b>KALE CABBAGE</b>	6-11	2-3	Green	One of the most nutritious varieties, with a delicate cabbage flavour.	Green	500 g	Organic 	060008BS
<b>DILL</b>	15-18	1-2	Green	A fresh, delicate anise taste.	Green	1 kg	Untreated	060002NS
<b>CORIANDER</b>	15-18	5	Green	Fresh, mild taste of coriander, less bitter than ripe grass.	Green	1 kg	Organic 	060009BS
<b>LOVAGE</b>	10-12	2-3	Green	Surprising celery taste.	Green	500 g	Untreated	060012NS
<b>SUNFLOWERS</b>	7-10	65	Green	Fresh and crisp with a slightly nutty taste.	Green	1 kg	Organic 	060023BS
<b>SORREL</b>	17-25	1-2	Red	Beautiful green leaves with red veins.	Green with red veins	50 g	Organic 	060024BS

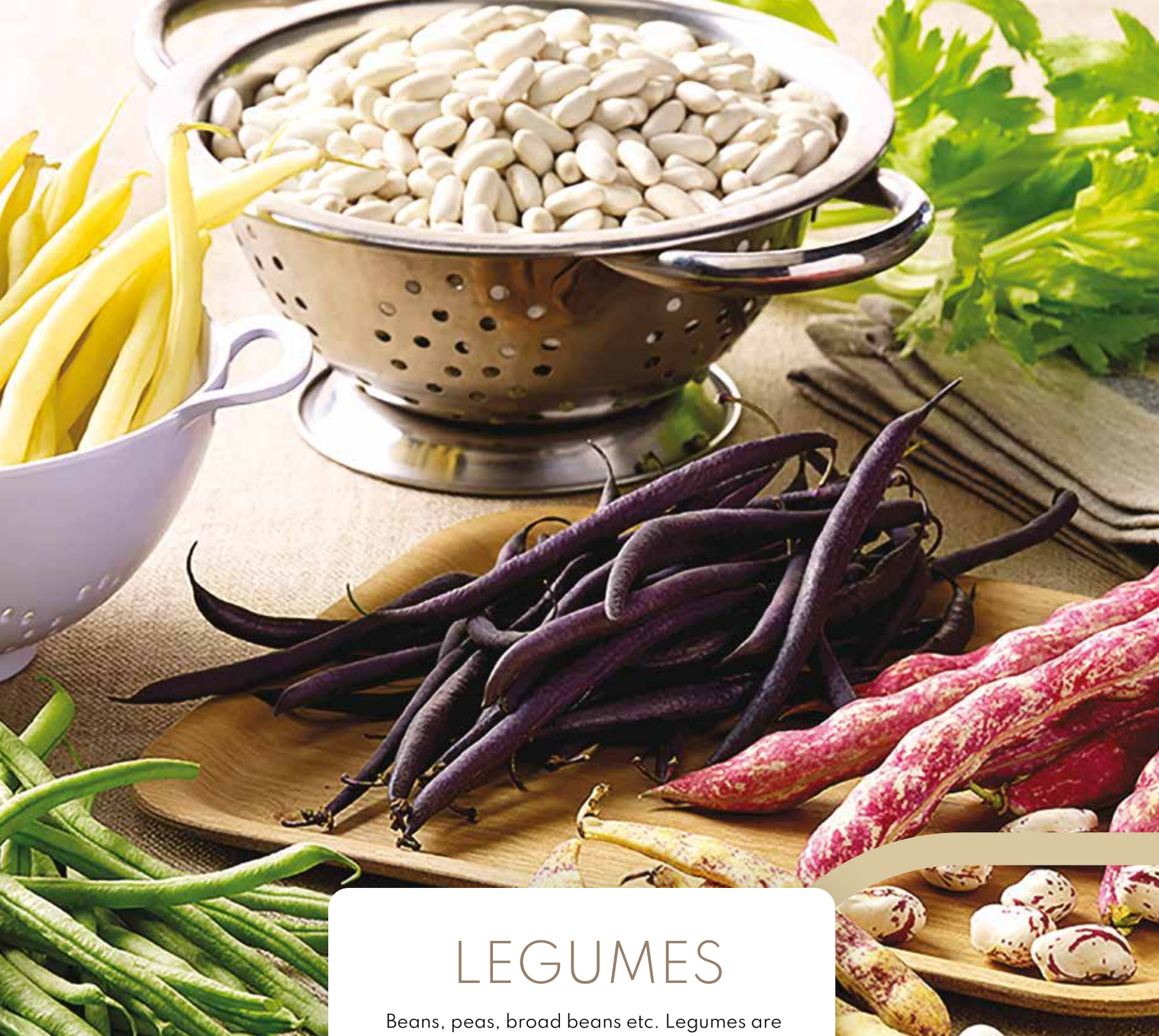
## WHAT ARE MICROGREENS?

This is the second germination stage of the seed, which is between 7 and 21 days. In the first stage of the germinated seed (0-7 days), only the root develops. From the 7th day onwards, the leaves begin to grow. Depending on the species, the microshoots are cut either at the germinal leaf stage or at the stage of the first leaves. The seeds are not consumed.



### Important information

The seeds we sell are specially designed for the cultivation of microgreens and are tested bacteriologically. We stress that they are totally unsuitable for human consumption.



## LEGUMES

Beans, peas, broad beans etc. Legumes are increasingly in demand as a substitute for meat protein. We offer you the best current genetics in all varieties, fresh or dry.

# Broad bean

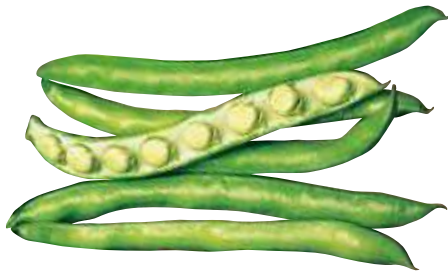
*Vicia faba L. partim*

**Sowing:**  
From end of February

**Seed requirements:**  
450-500 kg/ha  
300,000 to 400,000 seeds/ha

**Seed spacing:**  
8 to 10 x 40 to 60 cm

AGUADULCE



RATIO



Varieties	Seed sowing calendar												Pod		Characteristics	Min Qty	Product type	Item no.
	J	F	M	A	M	J	J	A	S	O	N	D	Length	Number of seeds				
AGUADULCE													30 cm	7-8	Vigorous and high-yield plant. Long pod.	1 kg	Organic	032504BS
RATIO													15-16 cm	4-5	Earlier than Express Eleonora.	1 kg	Organic	032509BS

# Edamame

*Glycine max*

**Sowing:**  
May to early June

**Seed requirements:**  
400-500 g per 1,000 seeds

**Germination:**  
6-10 days

**Density:**  
40 cm between rows  
5 cm within rows



Variety	Production calendar												Type of cultivation	Cycle (days)	Colour	Height (cm)	Characteristics	Min Qty	Product type	Item no.
	J	F	M	A	M	J	J	A	S	O	N	D								
DAME HANAÉ*													—	90-100	Green	50-60	The Hana Lady variety was specially selected for fresh seed consumption. It produces larger seeds than traditional vegetable soya beans.	1,000 seeds	Untreated	055200NG

Sowing Harvest

\* Registration applied for

— Open field

The above information is provided for informational purposes only and is not a guarantee

# Bean climbing

*Phaseolus vulgaris L.*



**Sowing:**  
February to the beginning of August

**Seed requirements:**  
Runner bean:  
1,000 seeds per 100 m<sup>2</sup>.  
2-5 seeds/g

**Germination:**  
6-10 days



**Density:**  
800 to 1,200 seedlings for 100 m<sup>2</sup>



## Round climbing bean

Varieties	Seed colour	Pod		Characteristics	Min Qty	Product type	Item no.
		Length (cm)	Colour				
<b>EVA</b>		26-28	Dark green	Variety with very high early yield, ideally suited for under glass and early outdoor cultivation as well as late cultivation due to its very open growth, easy to harvest, very straight, oval pods with late seed marking.	250 g	Organic	033186BS
<b>COBRA</b>		16-18	Dark green	Vigorous and very high-yield plant. Very nice at the point of sale.	1,000 seeds	Organic	033082BG
<b>NECKARKÖNIGIN</b>		27-28	Dark green	Round-podded variety for fresh food market and preservation, Neckar Queen is reliable and proven, even under adverse conditions.	250 g	Organic	033012BS

## Oval climbing bean

Variety	Seed colour	Pod		Characteristics	Min Qty	Product type	Item no.
		Length (cm)	Colour				
<b>BLAUHILDE</b>		24-26	Purple	Vigorously growing, purple flowering runner bean with very high yield. The pods are long, round-oval and turn green when cooked.	250 g	Organic	033013BS

## Flat climbing bean

Variety	Seed colour	Pod		Characteristics	Min Qty	Product type	Item no.
		Length (cm)	Colour				
<b>VITALIS</b>		20-22	Dark green	Productive flat runner bean that delivers very high-quality pods. Suitable for outdoor and greenhouse cultivation	1,000 seeds	Organic	033027BG

# Runner bean

*Phaseolus coccineus L.*



Variety	Seed colour	Pod		Characteristics	Min Qty	Product type	Item no.
		Length (cm)	Colour				
<b>PREISGEWINNER</b>		-	Black	Red flowering, very long, fleshy pods, high growth, very high-yield; speckled black	250 g	Untreated	033297NS



# Dwarf French bean

*Phaseolus vulgaris L.*



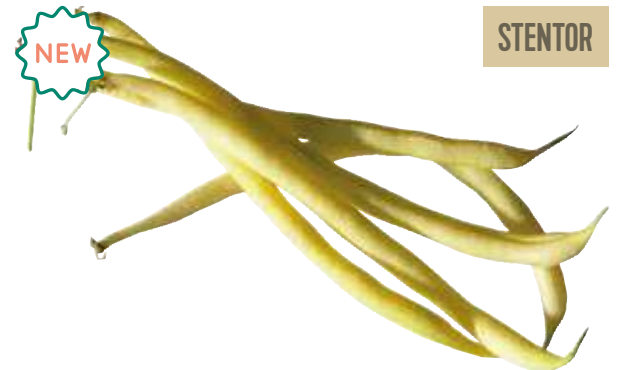
ELMORO



SOLIMAN



DIOR



STENTOR

**Sowing:**  
April/May to July

**Seed requirements:**  
Filet bean / Mangetout: 2,500 to 3,000 seeds for 100 m<sup>2</sup>

Runner beans: 2,000 to 3,000 seeds for 100 m<sup>2</sup>

**Germination:**  
6-10 days



**Density:**  
800 to 1,200 seedlings for 100 m<sup>2</sup>

## Round green dwarf French bean (fine green bean)

Varieties	Average Development time (days)	Pod			Characteristics	Resistances	Min Qty	Product type	Item no.
		Calibre (mm)	Length (cm)	Colour					
SOLIMAN	55-60	8-9	16-18	Dark green	Very early. Very fleshy and straight pods. High harvest yield, as multiple harvests are possible. Good reblooming.	HR: BCMV, CI	1,000 seeds	Organic	033117BG
ELMORO	55-60	7-8	18-22	Intense green	Early variety, vigorous plant with upright growth. Good heat tolerance, uniform yield. Remarkable taste quality (stringless and no seed marking). Good shelf life after harvest.	HR: BCMV IR: CI	1,000 seeds	Organic	033252BG
KUNDURA	64	8-10	12	Medium green	Successor variety to Bartava, improved uniformity, easy to harvest compared to other varieties, fast ripening.	HR: BCMV, CI:55	1,000 seeds	Untreated	H33290NG
FARADAY	65-70	7-9	13-14	Dark green	Very uniform, professional and productive variety. This is a very fine dark green bean.	-	1,000 seeds	Organic	033009BG
MAXI	65-70	8-10	18-20	Medium green	Upright growth with round pods hanging over the leaves (in clusters) that are easy to pick. Maxi is very early and is high-yield.	-	500 g	Organic	033007BS
STANLEY	75-80	9-10.5	12-13	Medium green	Medium fine bean with good heat tolerance; long harvest window, good durability, mainly fresh food market cultivation.	HR: BCMV, CI1, Psp 1-2	1,000 seeds	Untreated	033294NG

## Round yellow dwarf French bean

Varieties	Seed colour	Average Development time (days)	Pod			Characteristics	Resistances	Min Qty	Product type	Item no.
			Calibre (mm)	Length (cm)	Colour					
DIOR		60-65	8-9	12-14	Yellow	Very vigorous plant with clustered flowers. Suitable for manual and mechanical harvesting.	HR: CI, BCMV IR: Psp	1,000 seeds	Organic	033257BG
STENTOR		65-75	8-9	15-17	Butter yellow	Semi-upright plant with wide harvesting window. Manual harvesting.	HR: BCMV, CI.	1,000 seeds	Organic	033230BG







CAPITANO



NASSAU

## Flat dwarf French bean

Varieties	Seed colour	Average Development time (days)	Pod		Characteristics	Resistances	Min Qty	Product type	Item no.
			Length (cm)	Colour					
NASSAU		60	16	Green	Flat bean, very attractive at point of sale. Vigorous, upright plant, suitable for both machine and manual harvesting. The flat pods are straight and medium green. The Nassau dwarf French bean is a very reliable variety, even under a wide variety of growing conditions. Worth highlighting is the comprehensive resistance to bean mosaic virus 1, leaf spot and halo blight.	HR: BCMV1, CI	1,000 seeds	Organic 	033078BG
CAPITANO		65	15	Yellow	Vigorous and versatile variety. Very uniform. Very attractive at point of sale.	-	1,000 seeds	Organic 	033213BG



## MARKETING TIP

Influenced by food scandals, environmental problems or animal welfare, more and more people are reducing their meat consumption or even avoiding it in favour of plant-based proteins. You can support this demand by improving your winter supply of dry beans.

## For seed harvesting



BLACK TURTLE\*\*










CANADIAN WONDER



PREPELICAR TOMACEVSKI\*\*



BORLOROSSO

Varieties	Seed colour	Pod		Characteristics	Minimum quantity	Product type	Item no.
		Length (cm)	Colour				
BORLOROSSO		15-16	Speckled red and white	Attractive addition to the range for Mediterranean cuisine.	250 g	Untreated	033286NS
BLACK TURTLE**		15-20	Black	Typical variety from Latin America, rustic plant. The pods can be harvested semi-dry or dry. Keeps its colour after cooking.	500 seeds	Organic 	033254BG
CANADIAN WONDER		15-20	Green	Red kidney bean, ideal for Chilli con Carne. Straight, green pod.	500 g	Organic 	033209BS
PREPELICAR TOMACEVSKI**		15-20	Speckled brown	High-yield dwarf French bean of Slovenian origin. Both the stringless pods and the seeds are used in classic bean dishes.	500 seeds	Organic 	033256BG

# Snap pea

*Pisum sativum L.*

**Sowing:**  
November to June

**Seed requirements:**  
80 to 120 kg per hectare or 0.5 to 500 to 700,000 seeds per hectare  
3-6 seeds per g

**Germination:**  
6-10 days



**Planting density:**  
Intermediate rows of 50-70 cm  
35-40 seeds per running metre



SUGAR ANN

Variety	Harvest maturity	Plant height (cm)	Pod		Characteristics	Min Qty	Product type	Item no.	
			Shape	Colour					Length (cm)
SUGAR ANN	Early	50-60	Cylindrical	Light green	8-9	Delicate and fleshy pods with a sweet taste.	5,000 seeds	Organic	053024BG

# Sugar pea climbing

*Pisum sativum L.*

**Sowing:**  
November to June

**Seed requirements:**  
80 to 120 kg per hectare or 0.5 to 500 to 700,000 seeds per hectare  
3-6 seeds per g

**Germination:**  
6-10 days



**Planting density:**  
Intermediate rows of 50-70 cm  
35-40 seeds per running metre



DOUCE PROVENCE



NEW

PRECOCE DE MAI



KARINA



NEW

BUDDY

Varieties	Harvest maturity	Plant height (cm)	Pod		Characteristics	Min Qty	Product type	Item no.	
			Shape	Colour					Number of seeds
DOUCE PROVENCE	Very early	40-50	Straight	Green	6-8	Very sweet variety. Medium-sized; nice, round pod.	1 kg	Organic	053004BS
PRECOCE DE MAI	Early	130-150	Straight	Dark green	6-7	Very high yield. Round, fine seeds. Suitable for all soil types.	1kg	Organic	053033BS
PROGRESS NO. 9	Early	50-60	Straight	Dark green	6-8	Compact plant with bright green pods and very large sugar-sweet seeds.	1 kg	Organic	053049BS
KARINA	Early	60-70	Straight	Dark green	9-10	High-yield climbing sugar pea; standard variety for early sowing. The plants have high stability and are easy to harvest.	1 kg	Organic	053022BS
BUDDY	Medium-early	70-75	Straight	Green		Very high yield. Round, fine seeds.	1 kg	Organic	053016BS
VADA	Medium-early	70-80	Straight	Dark green	9-10	Ideal variety for the fresh food market; the vital plants bear long, thick, very well-filled pods with evenly coloured seeds; the pod base concentrated at the end of the stems allows easy picking; medium-early, very high-yield.	25,000 seeds	Untreated	H53062NG
MAXIGOLT	Medium-late	90-100	Straight	Green	7-8	Large, medium-late, sweet variety; for fresh food market and frozen food industry.	250 g	Untreated	H53208NS

# Sugar pea

*Pisum sativum L.*

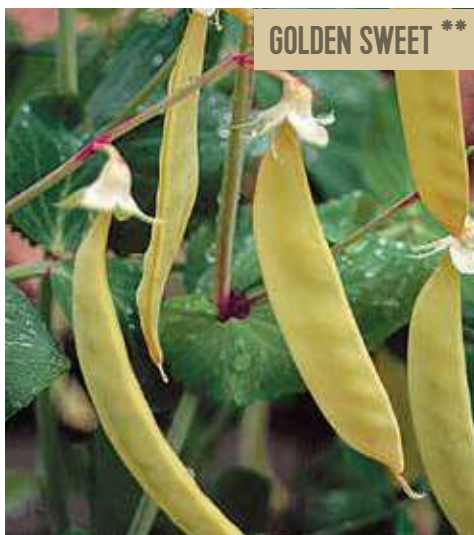
**Sowing:**  
November to June

**Seed requirements:**  
80 to 120 kg/ha or 0.5 to 1.2 million seeds/  
ha  
3-6 seeds/g

**Germination:**  
6-10 days



**Sowing rate:**  
Row spacing of 50-70 cm  
35 to 40 seeds per metre



**GOLDEN SWEET \*\***



**SHIRAZ**



**SWEET HORIZON**



**DELIKATA**

## Climbing sugar pea

Varieties	Harvest maturity	Plant height (cm)	Pod			Characteristics	Min Qty	Product type	Item no.
			Shape	Colour	Length				
<b>GOLDEN SWEET **</b>	Medium-early	125	Flat	Yellow	8-10	Variety with very fine, 17 mm wide pods, sweet taste.	500 g	Organic	053205IBS
<b>SHIRAZ</b>	Medium-early	125	Flat	Crimson	8-10	Variety with fleshy, 12 mm wide pods. Speciality colour.	500 g	Untreated	053206NS
<b>SWEET HORIZON</b>	Medium-early	120	Flat	Dark green	9-10	Almost stringless, very easy to harvest. HR: Ep, Fop.	1 kg	Organic	053030BS

## Dwarf sugar pea

Varieties	Harvest maturity	Plant height (cm)	Pod			Characteristics	Min Qty	Product type	Item no.
			Shape	Colour	Length				
<b>NORLI</b>	Very early	50	Flat	Green	8-10	Very early, medium green variety, vigorous growth, stable, approx. 50 cm high, velvet-free pods, very sweet.	1 kg	Organic	053038BS
<b>OREGON SUGAR POD</b>	Early	70	-	Green	-	Can be eaten with the pod if harvested young, requires calcareous, medium, humus-rich soils and even irrigation. High-yield, sweet-tasting variety with white flowers.	250 g	Untreated	053210NS
<b>DELIKATA </b>	Early	75-90	Long	Blonde green	8-9	Long pods. Very high yield. Excellent taste. Resistant to Fusarium (strain 1) and tolerant to powdery mildew.	1 kg	Organic	053019BS

\*\*Variety included in List d

The above information is provided for informational purposes only and is not a guarantee



## Fruit vegetables

From aubergine to tomato, zucchini or melon etc. For each species of fruit vegetable, we select the best genetics. Discover our wide range, tailored to your needs.

# Artichoke

*Cynara scolymus.*

## Sowing:

Year-round, depending on geographical location

## Seed requirements:

1400 seeds for 1,000 plants

## Pre-cultivation:

7 to 10 weeks

## Germination:

10-18 days



## Planting density:

5,000 to 10,000/ha depending on type  
60 to 100 x 150 to 160 cm

## TKG:

30-45 g



IMPERIAL STAR



OLYMPUS F1



SAMBO F1

## Green artichoke

Varieties	Average weight	Characteristics	Min Qty	Product type	Item no.
IMPERIAL STAR	300-400 g	Can be harvested in the first year. Spherical buds with a very nice appearance.	50 seeds	Organic	001312BG
PYRENEES F1	300-500 g	'Large Green' type. Suitable for summer sowing in southern regions, for a spring harvest. Very high yield.	50 seeds	Untreated	001310NG
SAMBO F1	300-500 g	Very vigorous plant, flower head of flat spherical shape, with beautiful attractive green.	50 seeds	Untreated	H01320NG

## Purple artichoke

Variety	Average weight	Characteristics	Min Qty	Product type	Item no.
OLYMPUS F1	250 - 300 g	Hybrid variety of 'Violet de Provence' type; very uniform. Very high yield.	50 seeds	Untreated	001316NG

# Cucumber - Rootstock

*Cucumis sativus L.*



ISABELLA F1



Variety	Resistances	Characteristics	Min Qty	Product type	Item no.
ISABELLA F1	IR: Fom 0,1,2, 1.2 Fon 0,1,2 For Va	No silicon coating, yields 3 - 5 days earlier than standard varieties, good nematode tolerance.	100 seeds	Untreated	H26180NG

# Cucumber

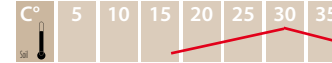
*Cucumis sativus L.*

**Sowing:**  
March - July

**Seed requirements:**  
50 g for 1,000 plants  
35 seeds/g

**Pre-cultivation:**  
2 - 4 weeks

**Germination:**  
4-8 days



**Planting density:**  
1.5 plants/m<sup>2</sup>  
Spacing 120-150 x 60-70 cm,  
35-40,000 seeds/ha



TEJO F1



MAGNUM F1



KATRINA F1



PASKA F1



PROLOOG F1



VERDON F1



PALLADIUM F1

## Armenian/serpent cucumber

Varieties	Use	Seed sowing calendar	Length (cm)	Characteristics	Resistances	Min Qty	Product type	Item no.
FLAMINGO F1	Λ	J F M A M J J A S O N D	30-35	Slim, dark green fruits.	IR: Px, Ccu	50 seeds	Organic	026015BG
KATRINA F1	Λ	J F M A M J J A S O N D	14-16	Multifruit type, very high-yield. For spring and summer cultivation.	HR: Ccu / IR: Px, CMV, CGMMV, CVYV	50 seeds	Organic	H26120BG
MAGNUM F1	Λ	J F M A M J J A S O N D	18-22	Regenerative midi cucumber, high-yield variety, shiny fruit, excellent shelf life.	HR: Ccu IR: Pcu, Px	50 seeds	Organic	H26090BG
PALLADIUM F1	Λ	J F M A M J J A S O N D	30-35	Very robust, high yield variety. Early, with good behaviour in the summer. Good shelf life after harvest.	HR: Ccu, Cca / IR: Px	50 seeds	Organic	026061BG
PASKA F1	Λ, —	J F M A M J J A S O N D	25	Uniform, smooth, dark green fruit. Very early.	HR: Ccu, Px / IR: Pcu	50 seeds	Organic	026049BG
PROLOOG F1	Λ	J F M A M J J A S O N D	28 - 32	Planting from January to August in substrate, from mid-February in soil.	HR: Ccu / IR: Px	100 seeds	Organic	H26101BG
TEJO F1	Λ	J F M A M J J A S O N D	30-35	Open growth, robust against spider mites, good in very hot conditions.	IR: CVYV, CYSDV, Px, Ccu	50 seeds	Organic	026134BG
VERDON F1	Λ	J F M A M J J A S O N D	30-33	Very good resistance to powdery mildew and CMV. Loose plant. Very high fruit quality.	HR: CGMMV; Cca; Ccu; Px / IR: CMV, CVYV	50 seeds	Organic	H26088BG



BETTANIS F1



TIRANO F1



MAXWELL F1



SILOR F1



IZNIK F1



LUNCHBOX F1



PICOLINO F1





AUDAX F1



SONJA



CORINTO F1



## Open field cucumber

Varieties	Seed sowing calendar	Length (cm)	Characteristics	Resistances	Min Qty	Product type	Item no.
AUDAX F1	J F M A M J J A S O N D	20-22	Spiky, dark green fruit, known for its taste. Dark plant, multifruit, few runners. Adapts to all areas. Very good yields.	HR: Ccu / IR: CMV, CVYV, CYSDV, WMV, PX	50 seeds	Untreated	H26138NG
CORINTO F1	J F M A M J J A S O N D	18-20	Open, compact plant, shiny, spiky fruit with good shelf life. Type: Slicer.	IR: CVYV, Px, CMV	100 seeds	Organic	H26164BG
SONJA	J F M A M J J A S O N D	25-30	Dark green box & outdoor cucumber.	-	10 g	Organic	O260461BS

## Midi cucumber

Varieties	Use	Seed sowing calendar	Length (cm)	Characteristics	Resistances	Min Qty	Product type	Item no.
BETTANIS F1	Λ —	J F M A M J J A S O N D	18 - 20	Open plant structure; for greenhouses and open fields; 1-2 fruits per internode, rich yield; successor variety to Rawa.	HR: Pcu; IR: Px	50 seeds	Untreated	H26160NG
KHASSIB F1	Λ	J F M A M J J A S O N D	18-20	Vigorous plant. Dark fruit with slight grooves. Good flavour. Spring / autumn.	HR: Ccu, Px IR: CMV, CVYV, PRSV, WMV, ZYMV	50 seeds	Organic	H26095BG
MAXWELL F1	Λ ∩	J F M A M J J A S O N D	19 - 23	Parth. Beth Alpha type, dark green, high uniformity, 2 fruits per internode.	HR: Ccu / IR: Px, Pcu	50 seeds	Untreated	H26172NG
SILOR F1	Λ	J F M A M J J A S O N D	15-16	Dark green, uniform, slightly ribbed fruit with a long harvest period.	HR: Ccu, IR: Px, CMV, CVYV	100 seeds	Untreated	O26057NG
TIRANO F1	Λ ∩	J F M A M J J A S O N D	20-22	Lovely early variety for summer cultivation. Good behaviour against downy mildew.	HR: Cca, Ccu / IR: Px, CMV, CVYV, CYSDV	50 seeds	Organic	H26132BG

## Mini cucumber (snack)

Varieties	Use	Seed sowing calendar	Length (cm)	Characteristics	Resistances	Min Qty	Product type	Item no.
 IZNIK F1	Λ ∩	J F M A M J J A S O N D	10	Fresh green, glossy, smooth snack cucumber with approx. 10 cm long fruits. Very early and high yield, with up to 5 fruits per axil. For cultivation from spring to autumn in soil and substrate; ideal for container cultivation. Intense cucumber taste.	HR: Ccu, Px	50 seeds	Organic	O26030BG
LUNCHBOX F1 (PATTINI)	-	J F M A M J J A S O N D	8-9	Snack cucumber, for hanging basket and balcony, compact growth, should be harvested daily, up to 3 fruits per node.	-	50 seeds	Untreated	H26171NG
 PICOLINO F1	Λ	J F M A M J J A S O N D	10-12	Cocktail type, ideal for snacking. The plants produce 3 to 4 fruits per node.	HR: Cca, Ccu / IR: Px, CMV, CVYV	50 seeds	Organic	H26006BG



### Other varieties

Varieties	Use	Seed sowing calendar	Length (cm)	Characteristics	Min Qty	Product type	Item no.
<b>LEMON**</b> ( <i>Cucumis sativus</i> L.)	Open field, with trellis	J   F   M   A   <b>M</b>   J   J   A   S   O   N   D	Ø 10-12	Also called 'lemon cucumber'. Authentic, sweet flavour, unique appearance.	50 seeds	Organic	026117BG
<b>SOLANA</b> ( <i>Melothria scabra</i> )	Open field, with trellis	J   F   M   A   <b>M</b>   J   J   A   S   O   N   D	4	Also called 'Mexican cucumber' or 'candied cucumber'. Cultivated like gherkins, on the ground or on a trellis. Oval fruit from 2 to 3 cm Ø. Speciality. Solana is a very high-yield variety.	100 seeds	Organic	026070BG

### Peeling cucumber (mustard gherkin)

Variety	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>TRAVITO</b>	HR: Ccu (Sc)	Large, fleshy fruits, particularly suitable for processing into sweet & sour mustard gherkins due to the solid flesh and small core.	50 seeds	Untreated	H26176NG



## Kiwano

*Cucumis metuliferus*

**Pre-cultivation:**  
In 4-8 days at 22-24°C

**Germination:**  
10-16 plants/m<sup>2</sup> Open field



Variety	Use	Seed sowing calendar	Length (cm)	Characteristics	Min Qty	Product type	Item no.
<b>KIWANO</b>	Fresh food market	J   F   M   A   <b>M</b>   J   J   A   S   O   N   D	15	Decorative and edible fruit; the green flesh contains numerous seeds. The rich juice has a cucumber flavour. Slow growth, ideal for hanging baskets or trellis. Also called 'African horned cucumber'.	50 seeds	Organic	028705BG

# Cucumber pickling

*Cucumis sativus L.*

## Sowing:

April to May in a protected area,  
after 10th May in open field

## Seed requirements:

40 seeds/g

## Pre-cultivation:

2 - 3 weeks

## Germination:

4-8 days



## Planting density:

18,000 to 50,000 plants/ha,  
i.e. 140-200 x 25-35 cm



NEW

ZIRCON F1



DIAMOND F1



NEW

OCTOPUS F1



BRUNO F1

PROFI F1



Varieties	Resistances	Ratio Length/Diameter	Characteristics	Min Qty	Product type	Item no.
BRUNO F1	HR: Px, CVYV, Cca / IR: CMV	3:1	Early, spiky, parthenocarpic gherkin. Vigorous plant, dark green fruits with good shelf life.	100 seeds	Untreated	H27042NG
DIAMOND F1	HR: Px, Ccu IR: CMV	3:1	Parthenocarpic variety, compact with short and powerful side shoots; the fruits are straight, smooth and dark green, very robust against downy mildew.	100 seeds	Organic	O27016BG
PROFI F1	HR: Px, Ccu IR: CMV	3:1	The parthenocarpic, smooth-skinned professional variety with maximum yields for the canning industry; ideal fruit shape and colour, very good interior quality and preservation properties.	100 seeds	Organic	O27005BG
OCTOPUS F1	HR: Ccu IR: Px, Pcu, CMV	3:1	Mildew-resistant for organic farming. Mixed flowering.	100 seeds	Untreated	H27043NG
ZIRCON F1	HR: Px, Ccu IR: CMV	3:1	Very vigorous new variety with strong regeneration potential. The spiky fruits impress with their very high fruit quality and their crispness. Very healthy and very robust against downy mildew.	100 seeds	Untreated	H27041NG

# Eggplant

*Solanum melongena L.*

**Sowing:**  
February to the beginning of April

**Seed requirements:**  
TKG = 4-6 g  
220-250 seeds/g

**Pre-cultivation:**  
6 to 10 weeks

**Germination:**  
7-10 days

**Pricking temperature:**  
20°C

**Growing temperature:**  
16-18°C night temperature  
18-22°C day temperature

**Planting density:**  
Protected cultivation: 60 x 110 cm,  
i.e. 1.5 plants/m<sup>2</sup>  
In the field: 50 x 75 cm, i.e. 2.6 plants/  
m<sup>2</sup>



**AMALIA F1** 🌱  
Improved Cristal F1 🌱



**NEREA F1** 🌱

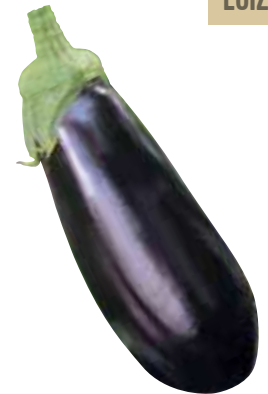


**MORETTA F1**

**ANET F1** 🌱



**LUIZA**



**CLARA F1**






















**EMERALD ISLE F1**











**KABERI F1**



## Purple eggplant

Varieties	Fruit shape	Length (cm)	Average weight (g)	Characteristics	Min Qty	Product type	Item no.
LUIZA		18-20	250	Medium-early variety with dark purple fruits, shiny black, for cultivation in the foil house and favourable open-air locations.	50 seeds	Organic 	001100BG
AMALIA F1 		21-22	250	Improved CRISTAL. Large dark purple fruits, uniform growth in summer.	50 seeds	Organic 	001050BG
MONEY MAKER F1		18-20	225	Very early variety for semi-professional cultivation, also suitable for outdoors.	50 seeds	Untreated	H01101NG
 NEREA F1 		20-24	300	Eggplant with spikeless calyx, beautiful purple fruit with white stripes, very homogenous, very good fruit set and very high yields, easy to handle and harvest.	50 seeds	Organic 	001040BG
CRISTAL F1 		20-22	325	Very early, shiny, high-yield, easy to store, few spikes. Standard outdoor variety.	50 seeds	Organic 	001014BG
SHAKIRA F1		20-22	350	Vigorous plant with excellent fruit formation. Spikeless calyx.	50 seeds	Organic 	001034BV
ANET F1 		22-24	350	Large, shiny dark purple, elongated fruits with green, only slightly prickly calyx; an impressive professional variety, early and high-yield.	50 seeds	Organic 	001087BG
MORETTA F1		40	550	Long eggplant for greenhouse and outdoor cultivation, especially for marketing for Asian cuisine, with a very high resistance package; HR: Va,Vd IR: Fom.	50 seeds	Untreated	001102NG

## Specialities

Varieties	Fruit shape	Length (cm)	Average weight (g)	Characteristics	Min Qty	Product type	Item no.
CLARA F1		20-22	300	Large fruit with white skin and white flesh. Speciality.	50 seeds	Untreated	001032NV
EMERALD ISLE F1		8 - 10	50	An asset to creative cuisine; very small fruits.	50 seeds	Untreated	H01062NG
 GIOLETA F1 		20-30	100-150	Interesting, snake-shaped addition to the range, suitable for greenhouse and outdoor cultivation.	50 seeds	Untreated	001088NG
KABERI F1		15	50 - 60	Mini eggplant for pot, plant length approx. 50-60 cm.	50 seeds	Untreated	H01094NG
VIOLETTA DI FIRENZE		15-20	230	Spherical purple-pink fruit, very vigorous plant.	50 seeds	Organic 	001047BG

# Melon

*Cucumis melo L.*

**Sowing:**  
January to June

**Seed requirements:**  
40 g for 1,000 plants  
30-35 seeds/g

**Pre-cultivation:**  
3 to 4 weeks

**Germination:**  
6-10 days



**Planting density:**  
4,500 to 8,000 plants/ha protected  
7,000 to 10,000 plants/ha outdoors



## ARTEMIS F1

Versatile in use



### CULTIVATION ADVICE



Aphid protection by the Vat gene.



## TONGA F1\*



## BARI

### Charentais

Varieties	Use				Resistances	Characteristics	Fruit weight (in kg)	Min Qty	Product type	Item no.
	Green-house/polytunnel	Polytunnel	Foil	Open field						
ARTEMIS F1	XXX	XXX	XXX	XXX	HR: Fom 0, 1, 2 IR: Px 1, 2, Ag	Vigorous plant with excellent fruit formation. Very attractive fruit colour and good flavour.	1.1 - 1.2	50 seeds	Organic	H42129BG
TONGA F1*	—	—	XXX	XXX	HR: Fom: 0,1,2 IR: Gc 1, Ag, Px 1,2,5	High yield potential, with many resistances for a safe harvest.	1-1.2	50 seeds	Organic	042061BG

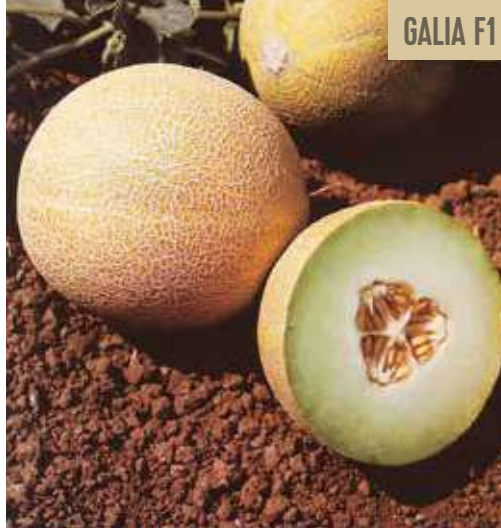
### Cantaloupe

Variety	Use				Resistances	Characteristics	Fruit weight (in kg)	Min Qty	Product type	Item no.
	Green-house/polytunnel	Polytunnel	Foil	Open field						
BARI	XXX	—	—	XXX	HR: MNSV, Fom 0-2 / IR: Gc 1, Px 1, 2, 5	Medium-early, Italian cantaloupe type, uniform fruit size with attractive reticulated peel, also suitable for growing under glass.	1.2 - 1.5	50 seeds	Untreated	042031NG

EXELOR F1 



GALIA F1



JAUNE CANARI 2



GRISELET F1\*



**CULTIVATION ADVICE**





Aphid protection by the Vat gene.


DON QUIXOTE F1 




**Galia melon**

Varieties	Type of cultivation	Resistances	Characteristics	Average weight (kg)	Min Qty	Product type	Item no.
EXELOR F1 	—	HR: MNSV; Fom: 1-2 IR: GC :1; Px1,2,5	Vigorous variety for early cultivation.	1 - 1.8	50 seeds	Untreated	042164NG
GALIA F1	—	—	Green, reticulated fruit that ripens to yellow. Green, very aromatic flesh.	0.9 - 1.1	50 seeds	Organic 	042010BG


**Canary melon**

Variety	Type of cultivation	Resistances	Characteristics	Average weight (kg)	Min Qty	Product type	Item no.
JAUNE CANARI 2	—	—	Oval, slightly ribbed fruit. Very aromatic.	1.3 - 1.6	5 g	Organic 	042099BS

**Griselet**

Variety	Type of cultivation	Resistances	Characteristics	Average weight (kg)	Min Qty	Product type	Item no.
GRISELET F1*	—	HR: Fom: 0,1,2 / IR: Ag	Juicy and melting texture, remarkable flavour, very sweet with musk aromas. Resistance to aphids.	0.8 - 1	50 seeds	Organic 	042151BG

**Piel de Sapo**

Variety	Type of cultivation	Resistances	Characteristics	Average weight (kg)	Min Qty	Product type	Item no.
DON QUIXOTE F1 	—	HR: MNSV, Fom 0-1 IR: Gc 1, Px 1, 2, 5	Vigorous, medium-early ripening with lightly striped green fruits.	3.5 - 5	50 seeds	Untreated	042033NG



# Watermelon

*Citrullus lanatus var. citroides*

**Sowing:**  
March to mid-April

**Seed requirements:**  
50 seeds for 1,000 plants

**Seedling cultivation:**  
3-6 weeks

**Planting density:**  
8,000 - 12,000 plants/ha

## With seeds

PRIMAGOLD F1 



PRIMAORANGE F1 



SUGAR BABY



TORO F1 



A GRAINE ROUGE A CONFIRE



CRIMSON SWEET



TOP GUN F1



## Microseeds

TIGRIMINI F1



CONGUITA F1



PEPITA F1 



## Seedless

BIBO F1



MASTER F1

















### GROWING TIP Seedless variety

Needs a pollinator to produce fruit. (After every 3rd plant, a pollinator variety must be planted). Choose a pollinator with a different variety.






This makes it easier to distinguish after harvesting.



## With seeds




Varieties	Type	Shape	Average weight	Characteristics	Min Qty	Product type	Item no.
PRIMAGOLD F1 		Round	3-4 kg	Yellow, crisp and very sweet flesh. Good fruit formation.	50 seeds	Untreated	046667NG
PRIMAORANGE F1 		Round	3-4 kg	Orange-fleshed variety with few seeds and a sweet flavour.	50 seeds	Untreated	046684NG
SUGAR BABY		Round	3-5 kg	Large, slightly oval fruit with very dark green peel. Beautifully red, juicy and sweet flesh.	10 g	Organic 	046600BS
 TORO F1 		Round	3-5 kg	Spherical, dark green fruit, very uniform, very sweet flesh and excellent durability, also suitable for direct sowing.	50 seeds	Untreated	046611NG
A GRAINE ROUGE A CONFIRE		Elongated	3-8 kg	Relatively long storage possible after harvesting to prepare delicious jams. Also called 'Citra'.	50 seeds	Organic 	046628BG
CRIMSON SWEET		Oval	6-10 kg	Robust and vigorous plant. Fruit with large calibre.	10 g	Organic 	046616BS
TOP GUN F1		Egg-shaped	9-11 kg	Large-sized watermelon which can also used as a pollinator for the seedless varieties.	50 seeds	Untreated	H46700NG

## Microseeds


Varieties	Type	Shape	Average weight	Characteristics	Min Qty	Product type	Item no.
TIGRIMINI F1 (WM 9075)		Round	1.5-2 kg	Jubilee/Tiger type with small seeds, suitable as a pollinator, great quality, solid flesh ensures a pleasant bite, Brix values 11-12.	50 seeds	Untreated	H46699NG
PEPITA F1 		Round	2-3 kg	Early mini watermelon, 'Jubilee' type with very high Brix value. Can be used as a pollinator.	50 seeds	Untreated	046674NG
PREMIUM F1		Oval	2-3 kg	Early, oval-shaped watermelon with firm, red flesh and excellent flavour. Only very small seeds are formed, which can also be eaten. Good pollinator variety. Optimal germination temperature is 28°C.	50 seeds	Untreated	H46682NV
CONGUITA F1		Oval	2-4 kg	Dark green peel, diploid, can also be used as a pollinator for striped triploid varieties. Good interior quality, thin peel, Brix up to 11.	50 seeds	Untreated	H46692NG

## Seedless

Important!  
Germination temperature 30°C

Varieties	Shape	Type	Average weight	Characteristics	Min Qty	Product type	Item no.
DORIN F1		Round	2-4 kg	Medium-sized type, must be planted with pollinator.	50 seeds	Untreated	H46693NG
BIBO F1		Round	2-3 kg	Virtually seedless mini watermelon, thin-peeled (pollinator important).	50 seeds	Untreated	H46691NG
MASTER F1		Round	1.8-2.5 kg	Virtually seedless mini watermelon, thin-peeled (pollinator important).	50 seeds	Untreated	H46697NG

## Pollinator

Variety	Shape	Type	Average weight	Characteristics	Min Qty	Product type	Item no.
SP-7 F1		Pollinator	-	Fruits are not suitable for consumption.	100 seeds	Untreated	H46698NG

# Watermelon - Rootstock

*Citrullus lanatus var. citroides*



Variety	Characteristics	Min Qty	Product type	Item no.
KARDOSA RS 3531 F1	Very good for grafting watermelons, Cucurbita moschata and Cucurbita maxima type, very interesting because of the high tolerance against Fon (Fusarium oxosporium f.sp. niveum).	50 seeds	Untreated	H46702NG

# Okra

*Abelmoschus esculentus*



GARIBAR F1

Variety	Ripening period in days	Length of fruit	Characteristics	Min Qty	Product type	Item no.
GARIBAR F1	60	10 - 15 cm	Extremely early variety with excellent, uniform market quality; the fruits are hexagonal/octagonal and 10-15 cm long, plant height up to 2.5 metres, the plant has very short internodes; the variety can also be grown outdoors, but better in protected cultivation.	100 seeds	Untreated	058123NG

# Physalis

*Physalis peruviana*



VIENNA

#### Sowing:

January to April

#### Seed requirements:

8 g for 1,000 plants

#### Pre-cultivation:

8 to 12 weeks

#### Germination:

5 to 14 days

#### Planting density:

5,000 to 10,000 plants/ha - 0.5 to 1 m x 2 m.

Variety	Characteristics	Min Qty	Product type	Item no.
VIENNA	Extremely dark-golden berries with a sweet & sour, aromatic flavour, for open-air and greenhouse.	250 seeds	Organic	026506BG

# Hot pepper (Chilli)

*Capsicum annuum L. / chinense / frutescens*

**Sowing:**  
February to April

**Seed requirements:**  
10 g for 1,000 plants

**Pre-cultivation:** 7 to 10 weeks

**Germination:** 8-14 days

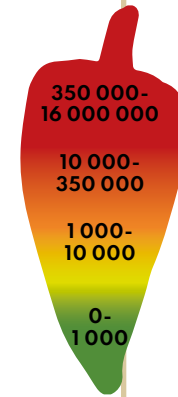
**Growing temperature:**  
22°C in the daytime; 16°C night temperature. The irrigation water must never be colder than 14°C.

**Planting density:**  
2-4 plants/ha



## CULTIVATION ADVICE

### Scoville heat scale



The Scoville scale is a measure of the degree of spiciness of hot pepper fruits. The value depends on the capsaicin content in the dried fruit. The alkaloid capsaicin triggers the sensation of spiciness on the mucous membranes. Sweet peppers = Level 0

Varieties	Scoville heat scale	Resistances	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product type	Item no.
			Unripe	Ripe						
MILDER SPIRAL	10-500	-			15-18	6	Mild chilli pepper for fresh food market and industry, very early and high-yield.	50 seeds	Organic	049172NG
CHILI	1.000	-			3-4	2.5	Conical shaped hot pepper with a degree of spiciness of 1-2; for fresh food market and industry; thick-walled, medium-early and very high-yield.	50 seeds	Untreated	049366NG
SAHEM F1	1.000	HR: PVY 0			22	2	Oriental hot pepper, very good fruit set. Also suitable for outdoor use.	50 seeds	Untreated	H49380NG
SUMHER F1	2,000	HR: TMV, ToMV, PMMoV 1,2, BePMV			24	2	Attractively shiny, aromatic Turkish sweet pepper of the 'Demre Sivrisi' type; the slim, slightly spiral-shaped fruits are spicy when green, and dark red and spicier when fully ripe.	50 seeds	Organic	049316BG
GORRIA	1,500 - 2,500	-			10-14	2-4	The typical Basque chilli pepper. Hot taste. Fairly tall plant. Loose plant structure. Very small, 2-4 cm long, tufted chilli pepper for drying, spiciness level 5. Upright-standing fruits.	50 seeds	Organic	049099BG
JALAPEÑO 'RUBEN'	2,800 - 8,000	-			7	3	Delicious, fruity and spicy taste. High yield.	50 seeds	Organic	049284BG
GLOCKENPAPRIKA	3,000 - 4,000	-			3	3	Bell pepper (hot pepper).	50 seeds	Organic	049370BG



CAYENNE PEPPER



PETER RED PEPPER



PICASSO F1



HABANERO YELLOW



HABANERO RED



NAGA MORICH



KOH TAO F1



FAJA F1



KOH CHANG F1

Varieties	Scoville heat scale	Resistances	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product type	Item no.
			Unripe	Ripe						
CAYENNE PEPPER	30,000 - 50,000	HR: Tm 0			10-12	2-3	Hot chilli. Good selection.	1 g	Organic	O49006BS
PETER RED PEPPER	30,000 - 50,000	-			8-10	3	Red chilli; a real eye-catcher in the garden and in the kitchen; plant height approx. 50 cm.	50 seeds	Untreated	O49377NG
PICASSO F1	30,000 - 50,000	HR: Tm 2, 0			12	1.5	Fireflame type with high yield.	50 seeds	Untreated	H49378NG
HOT CHOCOLATE	500,000	-			3-4	4	Small, blocky, extremely hot peppers, spiciness level 10.	50 seeds	Untreated	H49372NG
HABANERO YELLOW	400,000	-			5-8	4	Small, blocky, extremely hot pepper.	50 seeds	Untreated	H49371NG
HABANERO RED	350,000 - 570,000	-			6-8	4-6	Extremely hot, originating in Havana.	50 seeds	Organic	O49106BG
NAGA MORICH	1 to 1.1 million	-			5	2.5	One of the hottest chilli peppers in the world.	50 seeds	Untreated	H49376NG

### Pot and balcony

Varieties	Scoville heat scale	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product type	Item no.
		Unripe	Ripe						
FAJA F1	6,000			5	0.4	Upright-growing small pods.	50 seeds	Untreated	H49369NG
KOH TAO F1	4,000			14	1	Medium spicy Cayenne pepper, very compact plant, very early ripening, 40 - 50 cm high.	50 seeds	Untreated	H49375NG
KOH CHANG F1	6,000			8	1	Medium spicy Cayenne pepper, very compact plant, very early ripening, 40 - 50 cm high.	50 seeds	Untreated	H49374NG

# Sweet pepper

*Capsicum annuum L.*

**Sowing:**  
January to March

**Seed requirements:**  
10 g for 1,000 plants

**Pre-cultivation:** 7 to 10 weeks

**Germination:** 8 - 14 days at 18 - 23°C

**Growing temperature:**  
22°C in the daytime; 16°C night temperature.  
The irrigation water must not be colder than 14°C

**Planting density:**  
4,000- 6,000 plants/ha



**SPRINTER F1**

Robust and high-yield



**BLONDY F1**



**FERRARI F1**



**NEUSIEDLER IDEAL**



**QUADRUS F1**

## Blocky pepper

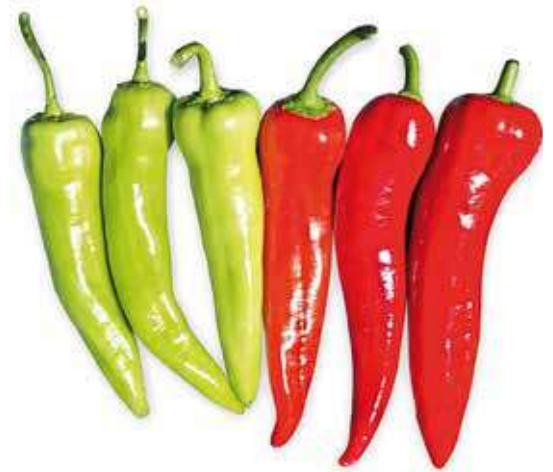
Varieties	Resistances	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product type	Item no.
		Unripe	Ripe						
<b>QUADRUS F1</b>	HR: Tm 1, 2, 3, 0			11	10-11	Beautiful, vigorous seedling, ideal for semi-professional cultivation.	50 seeds	Untreated	049403NG
<b>BLONDY F1</b>	HR: PVY 0			10	8	Wax-white sweet pepper for early harvest, thin-walled, with high yield per unit.	50 seeds	Untreated	H49387NG
<b>BALTA F1</b>	HR: PVYO, PVY 0-2, Tm 0 / IR: TSWV, Lt, CMV			13	9-14	Medium-green California type, high yield, very uniform fruit; easy to harvest.	50 seeds	Untreated	H49384NG
<b>DOLMY F1</b>	HR: Tm 0			11	9	Light green sweet pepper, very early ripening; for hot and cold growing; high yield per unit.	50 seeds	Untreated	H49395NG
<b>FERRARI F1</b>	HR: Tm 1, 2, 0			11	9-10	Vigorous, open plant, very early, high yield per unit, very uniform, large fruits; regular set, uniform harvesting season.	50 seeds	Untreated	H49248NG
<b>NEUSIEDLER IDEAL</b>	-			9	9	Light green, very early ripening variety; for amateur cultivation; also suitable for filling.	50 seeds	Untreated	049171NG
<b>SPRINTER F1</b>	HR: Tm 0-3			8-10	6-8	Not very susceptible to microcracks and robust against blossom end rot. Very high-yield plant.	50 seeds	Organic	H49005BG



CAMPARI F1



EVITA F1



CHARLETTE

ESTILO F1 PALLADIO F1 







ATRIS F1

GOLDENSTAR F1 

LAMUYO F1



### Half-length and 3/4-length sweet peppers

Varieties	Resistances	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product type	Item no.
		Un-ripe	Ripe						
GOLDENSTAR F1 	IR: TSWV PO			13	11	Semi-Lamuyo peppers, ripening from green to yellow, extremely thick-walled, crisp and sweet fruits, not susceptible to sunburn, heat or fruit cracks.	50 seeds	Organic 	049294BG
LAMUYO F1	HR: Tm O			15-18	8-10	Typical Lamuyo peppers that can be harvested at both green and red stages. Ideal for filling.	250 seeds	Untreated	049001NG

\*\*Variety included in List d



PIMENTO TOMATO\*\*



PIROUET F1



PUSZTA GOLD

### Bull's horn/Goat's horn

Varieties	Resistances	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product shape	Item no.
		Unripe	Ripe						
PALLADIO F1	-			19	6	Green-yellow bull's horn, ideal partner to Atris, very early harvest.	50 seeds	Organic	049275BG
EVITA F1	-			20	5	Ripening from dark green to red, sweet, fruit weight 120-140 g.	50 seeds	Untreated	049396NG
CAMPARI F1	HR: PVYO, Tm 1, 2, O; IR: CMV			20	5-6	Very early, thick-walled, banana pepper for open-air and greenhouse; high yield per unit, good shelf life after harvesting; very sweet.	50 seeds	Untreated	H49389NG
ESTILO F1	HR: TMV, ToMV, PMMoV			21	6	Pleasantly mild flavour in green condition, very high fruit and total yield; very suitable for seedling resale.	50 seeds	Organic	049317BG
ATRIS F1	-			22	5-7	Red banana pepper, smooth, thick-walled, heavy fruits, slightly bent, vigorous plant with early fruit set; for outdoor and greenhouse cultivation.	50 seeds	Untreated	H49078NG
CLEOR F1	HR: PVYO			22	5-6	Very early, cow horn-shaped, orange-ripening sweet peppers; high yield potential, strongly against blossom end rot.	50 seeds	Untreated	H49253NG
CHARLETTE	-			25	3	Turkish banana pepper, high yield per unit, very early; sweet, ripens from light green to red.	50 seeds	Untreated	H49390NG

### Other types

Varieties	Resistances	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product type	Item no.
		Unripe	Ripe						
PIMENTO TOMATO**	-			5	8	Vigorous growth, but compact plant structure. Thick flesh and aromatic. Fruits are excellent for filling.	50 seeds	Organic	049293BG
PIROUET F1	-			9	6	Thin-walled; very early with very good regeneration, very good fruit set, can also be harvested light green; pointed.	50 seeds	Untreated	H49402NG
PUSZTA GOLD	-			14	5	Mildly spicy, thin-walled; for amateur cultivation; very early harvest.	50 seeds	Untreated	049096NG



SNACKING PURPLE



SNACKING RED











SNACKING



SNACKING YELLOW

## Snack paprika

Varieties	Resistances	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product type	Item no.
		Unripe	Ripe						
SNACKING PURPLE	-			9	2.5	Trendy paprika as a break-time snack for children. Very sweet.	50 seeds	Untreated	H49397NG
SNACKING RED	-			9	2.5		50 seeds	Untreated	H49386NG
SNACKING	-			9	2.5	Trendy paprika as a break-time snack. Very sweet.	50 seeds	Untreated	H49399NG
SNACKING YELLOW	-			9	2.5		50 seeds	Untreated	H49409NG

# Sweet pepper - Rootstock

*Capsicum annuum L.*



SNOOKER F1

Variety	Resistances	Characteristics	Min Qty	Product type	Item no.
SNOOKER F1	HR: PVYO, Tm 0 / IR: Pc	Standard variety for grafting in the event of nematode problems.	50 seeds	Untreated	H49382NG



# Everything for successful squash cultivation!

## How to make your sowing and growing successful:

In order to get the sowing off to a good start, we recommend that you plant the seeds at a maximum depth of 1 to 2 cm and cover them with substrate.

Under these conditions, germination takes place in 3 to 6 days at 25°C. Be careful not to sow the seeds upside down!

Direct sowing in the open air can only be carried out if the soil is sufficiently warmed up and there is no longer a risk of frost.

Tip upwards



## How can the formation of fruit be promoted with the help of flower meadows?



MÉLANGE ABEILLE 🐝 (BEE MIXTURE) PAGE 161

Squashes bear male and female parts of the flower at the same time, the pollination of which is guaranteed exclusively by pollinators.

The more pollinating insects there are present, the higher the pollination rate and the subsequent yield. For this purpose, we have developed a special mixture for pollinators. It is composed of highly honey-bearing plants, which attract not only bees and bumble bees, but also lacewings and hoverflies, as well as colourful butterflies, which ensure optimal fruit formation and thus a higher yield.



## Proper timing of the harvest improves storage.

- Harvest each variety at the correct stage of ripening: not too ripe, but not too early either. This stage is reached when the foliage naturally begins to turn yellow. This takes place 80 to 150 days after sowing or planting, depending on the species and variety.
- If possible, cut the fruits with the pruning shears and leave them in the field for a few days to dry. In this way, the cut will heal and the fruit will continue to ripen in the field. Harvesting should take place under dry conditions (on sunny or windy afternoons). The fruits should never be carried by the stem.
- Drying the fruit after harvesting is not absolutely necessary, but significantly improves the storage time. This process can therefore begin in the field and continue under glass, as long as the harvest does not exceed a few tons. For very large volumes, we recommend storage in a heated building at 27/29°C for 10 to 15 days at a humidity of

80% (curing): this allows for optimal drying and better scarring. This technique is not recommended for small fruits because the weight loss due to evaporation is too high.



- Final storage takes place at an average temperature of 10 to 15°C with low humidity (60 to 75%) and continuous ventilation. Higher temperatures can cause severe weight loss. Storage in the cold store is not recommended.

**Harvesting healthy fruits, combined with these 4 pieces of advice, allows you to improve storage and profitability. The use of varieties with a long shelf life also ensures an extended sales period for your squashes.**

# Squashes for the entire season!

Use this table to find information about the sales period of the various squash types and segments. This information is provided for informational purposes only and is not a guarantee of harvest and storage.

Segment	July	August	September	October	November	December	January	February	March	April	
PATTISON/PATTYPAN SQUASH	●	.....	.....	.....	.....	.....	.....	.....	.....	.....	●
SPAGHETTI	●	.....	.....	.....	.....	.....	.....	.....	.....	.....	●
ORANGE HOKKAIDO		●	.....	.....	.....	.....	.....	.....	.....	.....	●
ACORN		●	.....	.....	.....	.....	.....	.....	.....	.....	●
MUSCAT				●	.....	.....	.....	.....	.....	.....	●
PUMPKIN			●	.....	.....	.....	.....	.....	.....	.....	●
BUTTERNUT SQUASH			●	.....	.....	.....	.....	.....	.....	.....	●
GREEN HOKKAIDO		●	.....	.....	.....	.....	.....	.....	.....	.....	●
BLUE PUMPKIN				●	.....	.....	.....	.....	.....	.....	●
INTERSPECIFIC (moschata X maxima)						●	.....	.....	.....	.....	●

## Bitter gourds



In recent years, there have been frequent reports about bitter, inedible pumpkins. Although these cases are rare, we recommend that you cultivate the edible squashes at least 500 metres away from the ornamental pumpkins in order to limit these cases.

It is assumed that, when crossed by insects, ornamental pumpkins make the pumpkins bitter. Some ornamental pumpkins contain the bitter substance cucurbitacin, which can be transmitted by pollination. This makes these squashes unsuitable for consumption.



### Good shelf life



SHIATSU F1 SEE PAGE 62












BETTY BLUE F1\* SEE PAGE 61



CHA CHA F1 SEE PAGE 60

\* Registration applied for  
The above information is provided for informational purposes only and is not a guarantee

# Squashes for every use!

Segment	Varieties	Shape	Catalogue page	Mini	Medium	Slices	Processing
HOKKAIDO ORANGE	FICTOR		59		X		
BLUE PUMPKIN	BETTY BLUE F1*		61		X	X	
BUTTERNUT SQUASH	TIVANO F1		58		X		
MUSCAT	MUSKI TEENY® F1		61	X			
	PLEINE DE NAPLES		61			X	
INTERSPECIFIC (MOSCHATA X MAXIMA)	SHIATSU F1		62		X		
	SWEET DUMPLING**		62	X			
OTHER TYPES (PEPO)	BABY BOO**		62	X			
	JACK BE LITTLE**		64	X			

Mini: < 1 kg Medium: 1 - 3 kg Slices: > 3 kg



## CULINARY RECOMMENDATION:

This squash can be used at the young stage, marinated with parsley, filled, grated or chopped in salads:

- Muscat pumpkin: **LONGUE DE NICE**, page 61
- Patissons: **PÂTISSON BLANC**, page 62

\*\* Variety included in List d

\*Registered trademark

\* Registration applied for

The above information is provided for informational purposes only and is not a guarantee

# Squash - Pumpkin

*Cucurbita moschata*



LIBECCIO F1®

Long storage



TIVANO F1®

Short development time and storage

**Sowing:**  
End of April to May

**Germination:**  
3 to 8 days



**Seed requirements:**  
Hokkaido: 250 g/1,000 plants  
Pumpkin: 200 g/1,000 plants

**Ideal storage temperature:**  
Around 15°C in a dry place

**Planting density:**  
2,000 to 12,000 plants/ha  
Row spacing: 150 to 200 cm  
and 50 to 200 cm in a row



TIBELLO F1

## Butternut squash

*Cucurbita moschata*

Varieties	Cultivation period (sowing to harvest)	Plant structure	Fruit		Characteristics	Min Qty	Product type	Item no.
			Average weight	Shape				
TIVANO F1®	105 days	Medium growth rambling	0.8 - 1.2 kg		High yield. With uniform fruits. Ideal for the sale of portion fruits.	50 seeds	Organic	028125BG
TIBELLO F1	105 days	Half bush	0.8 - 1.2 kg		Lovely homogenous variety with 6 to 8 fruits per shoot.	50 seeds	Organic	028216BG
LIBECCIO F1®	80 days	Rambling	0.8 to 2.5 kg		Very early variety with strong leaves which can cope well with difficult growing conditions (high or low temperatures). Slightly ribbed fruit with a vibrant colour and very long shelf life.	50 seeds	Organic	028663BG
TIANA F1	100 days	Rambling	1 - 1.2 kg		Early ripening, high yield and good quality; flesh intensely dark colour, fruit shape like an elongated pear. beige. Fruits per plant: 3-5. Planting density (per 100m²): 110-130	50 seeds	Organic	H28119BG
MORITZ	110 days	Rambling	1 - 1.5 kg		Excellent taste. Standard variety.	50 seeds	Organic	028737BG
VICTORY F1	100 days	Rambling	1 - 2 kg		Bell-like, pale yellow-coloured crookneck pumpkin, very sweet, nutty, solid, deep orange flesh; very suitable for storage.	50 seeds	Untreated	028639NG

® Registered trademark

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The guide for organic vegetable growers

**VOLTZ**  
MARAIKAGE

UCHIKI KURI

ORANGE SUMMER F1



FICTOR


















ROTORUA F1



## Hokkaido Orange

*Cucurbita maxima Duchesne*

Varieties	Cultivation period (sowing to harvest)	Plant structure	Fruit		characteristics	Min Qty	Product type	Item no.
			Average weight	Shape				
UCHIKI KURI	105 days	Rambling	0.8 kg		Hokkaido type with orange-red peel, one of the most popular pumpkins; hardly ribbed, round fruit, dark yellow flesh.	50 seeds	Organic 	052007BG
ORANGE SUMMER F1	95 days	Rambling	0.8 - 1 kg		Improved Uchiki Kuri, secure germination, low susceptibility to mildew, higher fruit set compared to Uchiki Kuri.	50 seeds	Organic 	H52503BG
KAORI KURI F1	85 days	Rambling	0.8 - 1.4 kg		Plant with bright red fruits, smooth-peeled squash with flat bottom for nice presentation in the shop, high Brix value, therefore very sweet and aromatic, one of the best stored Hokkaido varieties.	50 seeds	Organic 	H52504BG
FLEXI KURI F1	85 days	Rambling	1 - 1.4 kg		Very vigorously growing Hokkaido pumpkin, good germination even in adverse conditions, therefore ideally suited for direct sowing. Early crop finish facilitates weed management. Flat, round fruits, shiny dark red.	50 seeds	Organic 	H52506BG
KENJI KURI F1	85 days	Rambling	1 - 1.5 kg		Hokkaido pumpkin with extremely high resistance. The fruits are round and slightly ribbed. Beautiful dark orange colour, with good storage suitability.	50 seeds	Organic 	H52507BG
FICTOR	95 days	Rambling	1 - 1.5 kg		Vigorous plant. Vigorous orange fruit with good shelf life after harvest.	50 seeds	Organic 	052027BG
ROTORUA F1 	95 days	Rambling	1-1.5 kg		Beautiful variety with round, slightly pear-shaped fruits. High-yield, vigorous plant.	50 seeds	Organic 	052037BG









BLUE BALLETT



CHA CHA F1

### Hokkaido Green

*Cucurbita maxima Duchesne*

Varieties	Cultivation period (sowing to harvest)	Plant structure	Fruit		Characteristics	Min Qty	Product type	Item no.
			Average weight	Shape				
CHA CHA F1	100 days	Rambling	1.5 - 2 kg		Good replacement for Delica. Orange-coloured flesh of exceptional quality.	50 seeds	Organic 	052028BG
BLUE BALLETT	100 days	Medium rambling	1-2 kg		Blue Hubbard type, but smaller. Dark yellow to orange thick flesh with excellent flavour.	50 seeds	Organic 	028566BG

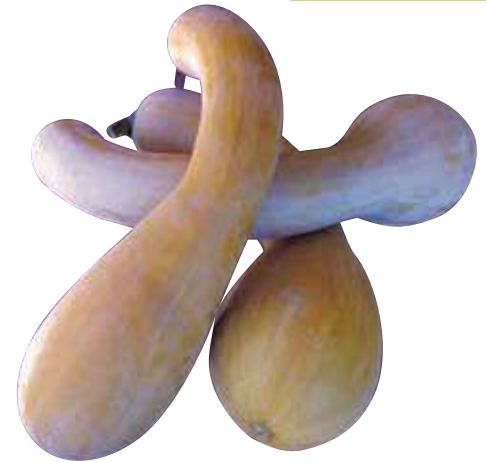
MUSKI TEENY® F1 🍃



MUSQUÉE DE PROVENCE



LONGUE DE NICE



PLEINE DE NAPLES



BETTY BLUE F1\* 🍃



CROWN PRINCE F1



ROUGE VIF D'ETAMPES

**Muscat***Cucurbita moschata*

Varieties	Cultivation period (sowing to harvest)	Plant structure	Average weight	Shape	Characteristics	Min Qty	Product type	Item no.
MUSKI TEENY® F1 🍃 (MINI MUSK)	110 days	Medium rambling	0.8 - 2 kg		Flat and ribbed fruit, colour same as Musquée de Provence. Good shelf life.	50 seeds	Organic 🍃	028143BG
MUSQUÉE DE PROVENCE	135 days	Strongly rambling	3 - 8 kg		Medium, flat and round, ribbed fruits with intense orange-red coloured flesh, ripening from green to orange-grey, strongly rambling; very productive, excellent taste, very good storage suitability.	50 seeds	Organic 🍃	052002BG
LONGUE DE NICE	130 days	Rambling	3 - 8 kg		Intensely orange flesh. The fruit can grow up to 1m long and can weigh up to 8 kg. Very good storage capacity, approx. 7 months. The flavour is reminiscent of nutmeg or avocado.	50 seeds	Organic 🍃	028005BG
PLEINE DE NAPLES	140 days	Rambling	5 - 25 kg		'Neapolitan Long' type. Suitable for sale in slices. The seeds are only at the fruit base.	50 seeds	Organic 🍃	028607BG

**Other types**

Varieties	Cultivation period (sowing to harvest)	Plant structure	Average weight	Shape	Characteristics	Min Qty	Product type	Item no.
<i>Cucurbita maxima Duchesne</i>								
BETTY BLUE F1* 🍃	110 days	Rambling	4 - 6 kg		Very nice interior colour. Very long shelf life.	50 seeds	Organic 🍃	028654BG
CROWN PRINCE F1	120 days	Rambling	3 - 4 kg		New Zealand winter squash with grey peel, bright orange flesh; sweet, nutty taste; good shelf life for winter sales.	50 seeds	Untreated	028642NG
ROUGE VIF D'ETAMPES	100 days	Rambling	6 - 15 kg		Very nice appearance. Early variety. Pumpkin type, flat and round, bright orange-red fruit, early, fruit flesh yellow-orange	50 seeds	Organic 🍃	052001BG



SHIATSU F1



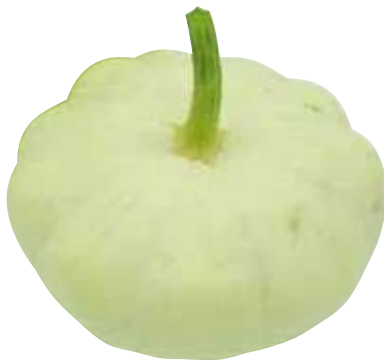
DELICATA\*\*



BABY BOO\*\*



SWEET DUMPLING\*\*



PATISSON BLANC















SUNBURST F1



FUTSU BLACK

## Other types

Varieties	Cultivation period (sowing to harvest)	Plant structure	Average weight	Shape	Characteristics	Min Qty	Product type	Item no.
<i>Cucurbita moschata X maxima</i>								
SHIATSU F1	120 days	Strongly rambling	1 - 3 kg		Strong and high-yield plant that you should plant near the other squash varieties to ensure good fruit formation. Not very sensitive to diseases. This variety extends the sales period of the squashes, thanks to their very good suitability for storage.	50 seeds	Untreated	028008NG
<i>Cucurbita pepo</i>								
DELICATA**	105 days	Compact	0.5 - 1 kg		Very uniform fruit with chestnut flavour.	50 seeds	Organic 	028541BG
BABY BOO**	95 days	Rambling	0.1 - 0.2 kg		Good storage suitability. Good flavour.	50 seeds	Organic 	028528BG
SWEET DUMPLING**	100 days	Medium rambling	0.3 - 0.6 kg		Also called 'Patidou'. One of the best squashes. Excellent chestnut flavour.	50 seeds	Organic 	028032BG
PATISSON BLANC	90 days	Compact	1 - 1.5 kg		White-peeled fruit with artichoke heart flavour.	50 seeds	Organic 	028200BG
SUNBURST F1	95 days	Compact	1 - 1.5 kg		Yellow Pattypan squash, ribbed fruit, suitable for decoration and food purposes, diameter approx. 10cm	50 seeds	Untreated	028202NG
<i>Cucurbita moschata</i>								
FUTSU BLACK	100 days	Rambling	0.7 - 1.5 kg		Orange-yellow flesh. Beautiful appearance and good storage suitability.	50 seeds	Organic 	028581BG

\*\*Variety included in List d

The above information is provided for informational purposes only and is not a guarantee



# Pumpkin - Halloween



ATLANTIC GIANT



CARGO F1



RACER F1



EXPERT F1

Varieties	Cultivation period (sowing to harvest)	Plant structure	Average weight	Characteristics	Min Qty	Product type	Item no.
ATLANTIC GIANT	125 days	Strongly rambling	30 - 100 kg	Huge fruit. The official variety for competitions. World record 2021: 1217.5 kg (Italy) <sup>(2)</sup> .	50 seeds	Organic	028523BG
CANNONBALL F1	95 days	Rambling	2.5 kg	Midi-Halloween, attractive dark colour, round or tall and round, weakly ribbed; ideal for painting.	50 seeds	Untreated	028177NG
CARGO F1	95 days	Compact, rambling	8 - 12 kg	Beautifully coloured, tall and round Halloween pumpkin; very stable leaves; smooth peel; resistance: IR: Px (powdery mildew).	50 seeds	Untreated	028178NG
EXPERT F1	100 days	Rambling	8 - 10 kg	Tall and round Halloween pumpkin, very uniform, dark orange.	50 seeds	Untreated	028179NG
RACER F1	95 days	Rambling	4 - 7 kg	'Halloween', fast development, don't sow too early, also suitable for sowing in batches <sup>(2)</sup> .	50 seeds	Organic	028544BG
WARTED PROFESSIONAL	90 days	Rambling	0.1 - 0.15 kg	New selection, very beautiful fruits of all shapes and colours, diameter 8-12 cm.	50 seeds	Untreated	028156NG

(2) Cucurbita pepo L.

The above information is provided for informational purposes only and is not a guarantee

# Ornamental gourd

GOBLIN EGGS



AMPHORE/COBRA



JACK BE LITTLE\*\*



GRIFFE DU DIABLE



PETIT BONNET TURC\*\*



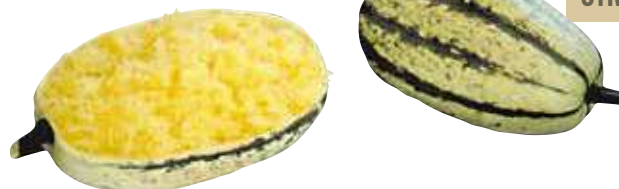
STRIE MIX







MÉLANGE COLOQUINTES



STRIPETTI



Varieties	Cultivation period (sowing to harvest)	Plant structure	Average weight	Characteristics	Min Qty	Product type	Item no.
AMPHORE/COBRA	130 days	Strongly rambling/climbing	2 kg	Unique, dark green smooth fruits with very long and thickened neck at the end; the lighter colours are striking.	50 seeds	Untreated	028511NG
GOBLIN EGGS	80 days	Rambling	0.8 kg	Egg-shaped, very colourful hybrid.	50 seeds	Untreated	028601NG
GRIFFE DU DIABLE	105 days	Rambling	0.5 - 0.8 kg	Decorative, claw-like or crown-like growing fruits in variable shades of white/silver-green/yellow to orange, partly striped, bitter, not edible!	50 seeds	Untreated	028502NG
 JACK BE LITTLE**	95 days	Medium rambling	0.1 - 0.2 kg	Very nice mini pumpkin, also called 'Pomarine'. Very decorative, very good chestnut flavour.	50 seeds	Organic 	028508BG
MÉLANGE COLOQUINTES (COLOQUINTE MIXTURE)	110 days	Rambling	0.1 - 0.5 kg	Hybrid of small decorative fruits in many colours <sup>(2)</sup> .	50 seeds	Organic 	028039BG
PETIT BONNET TURC**	110 days	Rambling	1 - 1.5 kg	Beautiful, striped fruit with a spectacular turban shape. Its peel is colourful, with orange flesh <sup>(1)</sup> .	50 seeds	Organic 	028717BG
STRIE MIX	95 days	Rambling	0.2 - 0.4 kg	Decoratively striped Pattypan squash in many colours and fruit shape variations.	50 seeds	Untreated	028555NG
STRIPETTI	90 days	Strongly rambling	1 - 2.5 kg	Oval spaghetti squash with attractive exterior colour: yellow green with darker stripes and irregular textures.	50 seeds	Untreated	028579NG

<sup>(1)</sup>Variety included in List d <sup>(1)</sup> Cucurbita maxima Duchene <sup>(2)</sup> Cucurbita pepo L.

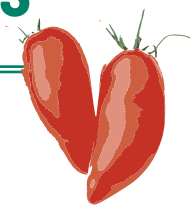
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The guide for organic vegetable growers

**VOLTZ**  
MARAICHAGE

# The historical varieties

VOLTZ MARAICHAGE



**Prune Noire\*\***  
25-30g



**Black Cherry**  
20g



**Red Pear**  
30g

**Yellow Submarine**  
30g



**Kalypso**  
70-90g



**Green Zebra\*\***  
80g-20g



**Or Corno**  
110-130g



**Orange Queen\*\***  
100-300 g



**Andine Cornue\*\***  
80-150g



**Rose de Berne**  
120-180 g



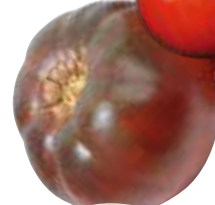
**Bolstar Granda**  
100 - 120 g



**Noire Russe\*\***  
120-200g



**Noire de Crimée**  
150-200 g



**Marmande**  
170g



**Cuor di Bue (Ox Heart)**  
230 g



**Ochsenherz Orange**  
200-250g



**Liguria**  
200-250 g



**Ananas**  
240-400g



\*\*Variety included in List d

HERB PLANTS

MICROGREENS

LEGUMES

FRUIT VEGETABLES

CROCI FEROUS VEGETABLES

LEAF VEGETABLES

ROOT VEGETABLES

SWEET POTATO PLANTS

SWEET CORN

BULB VEGETABLES

BULB VEG. SEEDLINGS

PRODUCT RANGE EXPANSION

# Tomato

*Solanum lycopersicum L.*

**Seed requirements:**

5 g for 1,000 plants  
250-300 seeds/g

**Germination:**

5-14 days at 25°C

**Growing temperature:**

15°C night temperature, 18-20°C during the day

**Cultivation period for a seedling:**

6 to 8 weeks

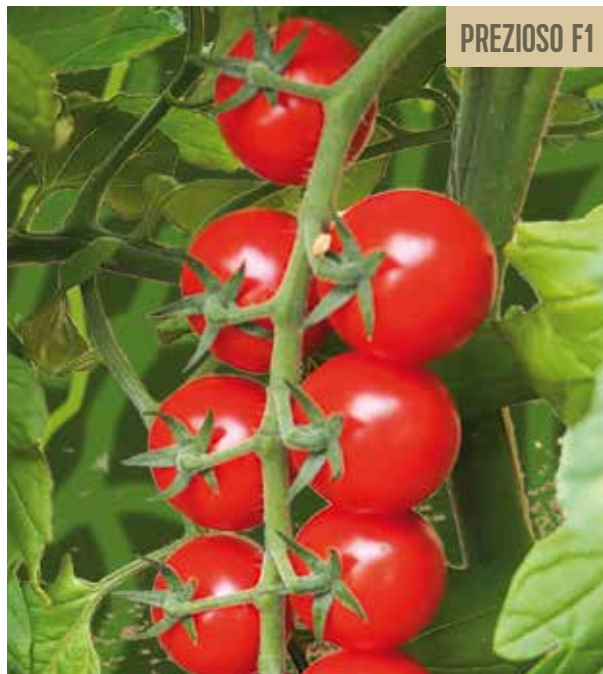
**Planting density:**

- 1.8 - 2.5 plants/m<sup>2</sup> under glass, i.e. 40-50 x 80-100 cm
- 1.8 - 2.5 plants/m<sup>2</sup> open field, i.e. 40-50 x 100-150 cm
- 1.2 - 1.5 plants/m<sup>2</sup> open field without pole, i.e. 50-60 x 140-180 cm

READY F1 



PREZIOSO F1



BLACK CHERRY



CHOCO SWEETY F1



KM 5512 F1



UMAMINI F1



SAKURA F1



RONEY F1



YONEY F1



STAR GOLD F1 



## Indeterminate varieties













## CULTIVATION ADVICE






The disease Tomato Spotted Wild Virus (TSWV) is increasingly becoming a serious threat during production. Our varieties marked with the "TSWV" logo are resistant or very resistant to this disease.








## Round cherry

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
 <b>READY F1</b> 	Very early		20 g	HR: Pf A-E, ToMV, Va, Vd, Fol: O,1 IR: Ma, Mi, Mj, TYLCV	Early ripening, bright red cherry tomato Diameter approx. 3 cm, above-average Brix value as a vine tomato or suitable for single-fruit harvesting; plant has vigorous, indeterminate growth.	50 seeds	Organic 	056656BG
<b>ONUBA F1</b>	Early		14-18 g	HR: Pf A-E, Fol O-1, US1-2, Va, Vd, ToMV O-2, For / IR: Ma, Mi, Mj	Cherry tomato in orange-red with excellent flavour. The crispness of the fruit is a real delight.	50 seeds	Untreated	H56778NG
<b>SWEET MILLION F1</b>	Early		15-20g	HR: ToMV, Fol: IR: Ss	High-yield cherry tomatoes for amateur cultivation; very sweet taste.	250 seeds	Untreated	056071NG
<b>PREZIOSO F1</b>	Medium		15-20 g	HR: ToMV, Va, Vd, Fol IR: Ma, Mi, Mj	Professional vine/cocktail tomato with a great flavour; very open plant structure, optimal vine bears 12 fruits.	50 seeds	Untreated	056785NG
 <b>BLACK CHERRY</b>	Medium		20 g	—	Very high-yield cherry tomato, with dark red to black fruits. Excellent taste.	100 seeds	Organic 	056286BG

## Cocktail and Datterino

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>CHOCO SWEETY F1 (ST 7742)</b>	Early		20 g	HR: TomV, Ff, Va, Mi	Interesting variety with attractive fruit shape and colour; adds colour and new fruit shape to the mixed bowl.	50 seeds	Untreated	H56759NG
<b>KM 5512 F1</b>	Medium-early		10-15 g	HR: ToMV, Ff, Fol; IR: Ma	Plum-shaped; brown snack tomato with a novel fruit acid aroma; ideal in mixed packs.	50 seeds	Untreated	H56773NG
<b>UMAMINI F1 (US 1510)</b>	Early		15-20g	HR: TomV	The Japanese term Umami refers to a taste other than the usual four flavours - sweet, salty, sour and bitter; Umami is particularly common in foods rich in protein; the taste quality is described as heartily intensive and fleshy; the variety has a very high Brix content value up to 11.	50 seeds	Untreated	H56795NG

## Special types and specialities

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
 <b>SAKURA F1</b>	Medium		20-25 g	HR: ToMV O, Pf A-E, Fol O,1 IR: Ma, Mi, Mj	Vigorous plant. The vines bear 20 to 22 solid fruits with an excellent flavour.	50 seeds	Organic 	H56147BG
<b>RONEY F1</b>	Medium		15-20 g	IR: TomV	Compact seedling, short internodes, taste like honey, Brix value 9; especially suitable for amateur and semi-professional cultivation.	50 seeds	Untreated	H56788NG
<b>YONEY F1</b>	Medium		10-15g	IR:TomV	Compact seedling, short internodes, taste like honey, Brix value 9; especially suitable for amateur and semi-professional cultivation.	50 seeds	Untreated	H56796NG
<b>STAR GOLD F1</b> 	Very early		20-25g	HR: ToMV/ Fol	Exceptionally good taste, very resistant to bursting, very good for marketing on the vine due to the fish bone arrangement of the fruit.	250 seeds	Untreated	056282NG

BAMBELO F1



MONTERREY F1



TRILLY F1



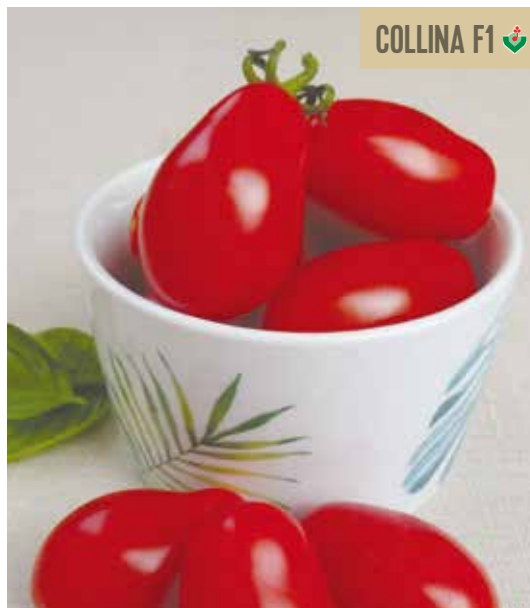
CRISPINO PLUM F1



APER0 F1



COLLINA F1



SKATE F1



SEVENTY F1



DUNNE F1



RED PEAR



YELLOW SUBMARINE



NEW

GARDENBERRY F1



CAMPARI F1



CLOTO F1



## Indeterminate varieties



## Elongated cherry tomato

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>BAMBELO F1</b>	Very early		10 - 12 g	HR; Fol:O (US 1)	Easy to handle plant type; open plant, lots of fruits on the vine; for loose harvesting; not prone to bursting; excellent taste. Type: Mini San Marzano.	50 seeds	Untreated	H56754NG
<b>MONTERREY F1</b>	Very early		12 - 16 g	HR: ToMV, Fol 0,1,2, Va, Vd	Tasty mini Datterino plum tomato, solid, burst-resistant fruit with excellent shelf life after harvesting, high-yield variety for individual fruit harvesting, open growth.	50 seeds	Organic	056655BG
<b>DUNNE F1</b>	Very early		20 - 25 g	HR: ToMV, Fol; IR: Ma	Top product in taste and quality, little blossom end rot and high turnover per m2; very early harvest. Type: Mini San Marzano.	50 seeds	Untreated	H56765NG
<b>APER0 F1</b>	Medium-early		18 - 20 g	HR: ToMV, Fol O, Pf A-E IR: Ma, Mi, Mj	Beautiful, oval and tasty fruit. Type: Cherry.	50 seeds	Organic	056200BG
<b>CRISPINO PLUM F1</b>	Medium-early		35-40 g	HR: ToMV, Vd, Fol; IR: Ma, Mi, Mj	Cherry plum tomato with green striping and pointed oval shape; compact, vigorous growth; harvest as single fruit or on the vine; high lycopene content.	50 seeds	Untreated	056762NG
<b>SKATE F1</b>	Early		18 - 22 g	HR: ToMV, Vd, Fol	Very sweet yellow vine tomato with vigorous growth, for early harvesting. Type: Oval cherry.	50 seeds	Untreated	056792NG
<b>TRILLY F1</b>	Early		20 g	HR: Va, Vd, Fol	Exceptional, low-acid taste; very high-yield. Type: Mini San Marzano.	50 seeds	Untreated	056164NG
<b>COLLINA F1</b>	Early		12 - 16 g	HR: ToMV(O-2), Fol:0,1, Va(O), Vd(O) IR: TYLCV, TSWV	Pretty mini San Marzano with a beautiful deep red colour and very good quality of taste. Productive plant with compact growth. The ideal compromise between taste and yield.	50 seeds	Untreated	056635NG
<b>SEVENTY F1</b>	Medium		15 - 20 g	HR: ToMV, Va, Vd, Fol IR: TSWV, TYLCV	Burst-resistant, high-yield variety with oval fruits on long panicles, vigorous, healthy growth, slightly acidic in taste. Type: Mini San Marzano.	50 seeds	Untreated	056790NG
<b>RED PEAR</b>	Medium		30 g	—	Small, original pear-shaped fruits 3 cm in size.	100 seeds	Organic	056003BG
<b>YELLOW SUBMARINE</b>	Medium		30 g	—	Pear-shaped yellow cocktail tomato.	100 seeds	Organic	056375BG

## Round vine tomato (cocktail)

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>CAMPARI F1</b>	Medium		50 g	HR: ToMV, Va, Vd, Fol, For IR: Ma, Mi, Mj	Attractive tomato marketed as Tasty Tom; excellent flavour.	50 seeds	Organic	H56432BG
<b>CLOTO F1</b>	Medium		50 g	HR: ToMV, Va, Vd, Fol IR: TYLCV	Large vine/cocktail tomato with a diameter of 45-50 mm, very burst-resistant, vigorous with very good flower formation, for early harvest.	50 seeds	Untreated	056760NG
<b>GARDENBERRY F1</b>	Early		23 g	HR: ToMV	Unique, strawberry-like fruit shape. Dark red, very shiny and very sugary fruit. The ripe fruits are harvested individually. The best variety in our trials.	50 seeds	Untreated	056371NG



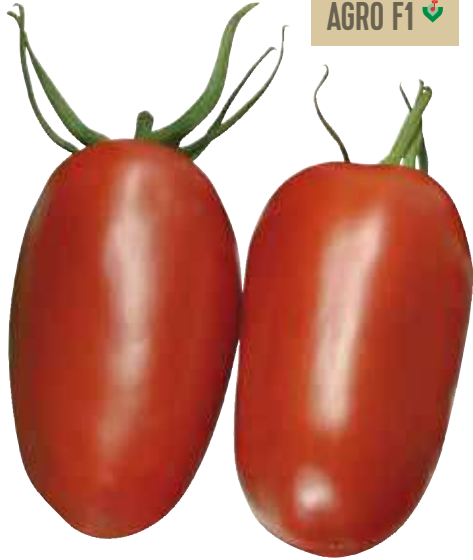
RUGBY F1 🌱



PINK WONDER F1 🌱



MYRIADE F1



AGRO F1 🌱



FYPER F1



LUANA TY F1



ANDINE CORNUE\*\*

NEW



CORNABEL F1



OR CORNO



GIANO F1 🌱



SEVIOCARD F1



OSCAR F1








\*\*Variety included in List d  
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








## Indeterminate varieties










## Oxheart

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
RUGBY F1 	Early		150 g	HR: ToMV, Va (O), Fol O	Beautiful, pink heart-shaped fruit, solid, melting pulp, nevertheless firm and suitable for transport.	50 seeds	Untreated	056600NG
PINK WONDER F1 	Early		200 g	HR: Ff A-E, ToMV O, Va, Vd, Fol O, I	Beefsteak tomato with very even fruit yield; the pink fruits are slightly ribbed, juicy and very tasty.	50 seeds	Untreated	056383NG
 CUOR DI BUE (OXHEART)	Medium late		230 g	—	Large red, heart-shaped fruit. Uniform selection.	100 seeds	Organic 	056053BG





## Elongated tomato

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Roma</b>								
MYRIADE F1	Early		110-130 g	HR: ToMV O, Va(O), Vd(O), Fol O, I, For, Pf A-E IR: Ma, Mi, Mj	Variety with elongated tomatoes for loose harvest. Strong, indeterminate plant. Uniform fruit colour, good shelf life. For cultivation in warm or cold greenhouses.	50 seeds	Organic 	056229BG
AGRO F1 	Medium		90 g	HR: ToMV, Fol O, Va, Vd / IR: Ma, Mi, Mj	Cylindrical, elongated fruits of the San Marzano type, indeterminate growth. Large harvesting window makes it suitable for harvesting at the semi-green or red stage of ripeness. Good shelf life. Ø approx.: 30-40 mm.	50 seeds	Organic 	056319BG
 FYPER F1	Medium		100 - 110 g	HR: ToMV, Ff, Va, Vd, Fol; IR: TYLCV, Mi	Roma tomato for loose harvest; with calyx and solid fruits.	50 seeds	Untreated	H56768NG
 LUANA TY F1	Medium		140 g	HR: ToMV, Vd, Fol, IR: TYLCV	Strong, compact plant; very uniform fruits.	50 seeds	Untreated	056775NG

## Horned Andean tomato

 ANDINE CORNUE**	Early		80 - 150 g	—	Andean beefsteak tomato, low acid, very aromatic fruit. Not very susceptible to blossom end rot. Solid flesh.	100 seeds	Organic 	056156BG
 CORNABEL F1	Early		180 g	HR: F2, Vd (O), Fol O, I;	Homogenous plant, forms beautiful, even, very fleshy and juicy fruits which can be harvested as a whole vine. Hybrid of the Andine Cornue. Good bud formation.	50 seeds	Untreated	056350NG
 OR CORNO	Medium		110 - 130 g	-	Full-fleshed, seedless, horn-shaped speciality that complements your tomato assortment; very aromatic, use for salads and soup; fruit is similar to San Marzano.	50 seeds	Untreated	056779NG

## San Marzano

SEVIOCARD F1	Early		80 - 90 g	HR: ToMV, Ff, Vd, Fol, For, Ma	Not susceptible to tomato leaf mould or blossom end rot; generative plant and good yield potential.	50 seeds	Untreated	H56791NG
OSCAR F1	Medium		90 - 100 g	HR: ToMV, Vd, Fol, For; IR: Sbl, Ma	Standard variety for amateur cultivation with very beautiful fruit shape.	50 seeds	Untreated	H56780NG
GIANO F1 	Medium		100 - 120 g	HR: Vd(O), Fol I, 2, ToMV	San Marzano type. Produces 14 cm long fruits, 4 cm in diameter. Bright red colour when ripe. Solid flesh. Good shelf life. Very high tolerance against blossom end rot.	250 seeds	Untreated	056390NG



NOIRE DE CRIMÉE



EDIOSO F1



MARGOLD F1



MARMALYSA F1\*



RUGANTINO F1



ANANAS



LIGURIA



ARAWAK F1




















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## Indeterminate varieties



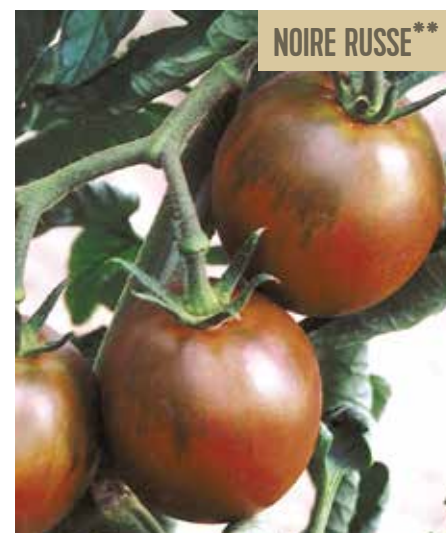
## Ribbed tomato

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Ribbed fruit</b>								
EDIOSO F1	Early		20-25 g	HR: Ff, Fol; IR: Ma, Mi, Mj	Vigorous, shiny fruits; novelty in the tomato range; ideal in mixed packs. Mini Marmande.	50 seeds	Untreated	H56766NG
 NOIRE DE CRIMÉE	Medium-early		150-200 g	-	Average early ripeness, an old variety of ribbed tomato. Its fruits are coloured dark red/purple. Its meaty flesh has an excellent taste quality.	100 seeds	Organic 	O56177BG
 MARMALYSA F1* (MONNALYSA) 	Medium		220-280	HR: ToMV(0-2), PF: A-E, Fol: O, I, Va(O), Vd(O) IR: TYLCV, TSWV, Ma, Mi, Mj	Beautiful ribbed tomato, Marmande type. The perfect compromise between fruit quality and disease tolerance. Juicy and aromatic flesh. Without a greenback or inner stalk and base. Plant of medium strength, open structure with 4 fruits per panicle. Ideal colour blend with Pink Sun F1.	50 seeds	Untreated	O56637NG
MARGOLD F1	Medium		190-250 g	HR: ToMV(0-2), Va(O), Vd(O), Fol O, Pf A-E	Speciality due to its appearance and its sweet taste. Yellow, strongly ribbed fruit with a greenback. Marmande	50 seeds	Organic 	O56521BG
RUGANTINO F1	Medium		150-180 g	HR: ToMV, Ff, Va, Vd, Fol, For, Sbl	Oxheart (Coeur de Boeuf), resistant to tomato leaf mould; protected cultivation; short, vigorous plant, strong fruit set; good taste and good shelf life.	50 seeds	Untreated	H56554NG
ARAWAK F1	Medium		200 g	HR: ToMV, Vd	Highly ribbed fruit shape; high dry matter content, little juice and plenty of flesh, sweet and mealy, low acidity; should be harvested when light orange. Oxheart.	50 seeds	Untreated	H56751NG
<b>Heavily ribbed fruit</b>								
 ANANAS	Late		240 - 400 g	-	Very large and fleshy fruit with few seeds. Dense, juicy and very sweet flesh. Type: Ananas.	100 seeds	Organic 	O56154BG
 LIGURIA	Medium		200-250 g	-	Large, pear-shaped fruit. Exceptional flavour. Oxheart.	100 seeds	Organic 	O56163BG

## Indeterminate varieties

PINK SUN F1 

KAKAO F1



NOIRE RUSSE\*\*














BOLZANO F1

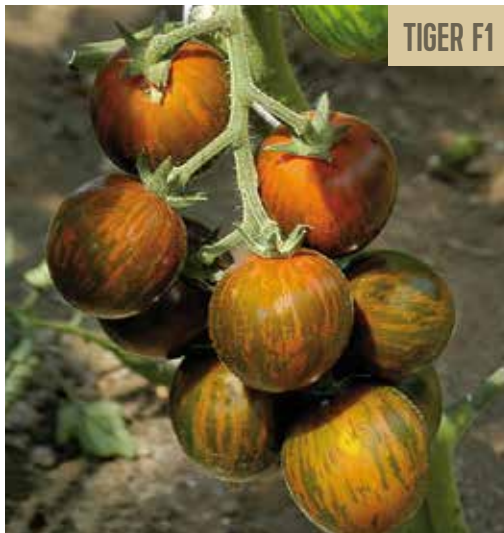


SACHER F1

## Round, colourful tomato

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
 NOIRE RUSSE**	Medium-early		120 - 150 g	—	When ripe, the fruit turns very dark red. Little juice and low in acid.	100 seeds	Organic 	056157BG
KAKAO F1	Medium-early		130 - 150 g	HR: ToMV, For	Very strong plant. Flat, round fruit. When ripe, the skin turns dark brown with a pronounced greenback. Good flavour. Good shelf life.	50 seeds	Organic 	056120BG
 PINK SUN F1 	Medium-early		160 - 200 g	HR: ToMV(2), Fol(1), Va(0), Vd(0), Ss IR: TYLCV, Ma, Mi, Mj	Slightly ribbed, round, pink variety. Melting flesh, juicy, thin skin and aromatic. Fairly vigorous plant with short internodes and 4 fruits per panicle.	50 seeds	Untreated	056642NG
BOLZANO F1	Medium-early		90 - 100 g	HR: ToMV, Ff, Va, Vd, Fol, For	Orange flavour tomato; high carotene content; high yields; good fruit quality.	50 seeds	Untreated	H56757NG
 SACHER F1	Medium-early		110 - 150 g	HR: ToMV, TYLCV, Vd, Fol; IR: Mi	Brown tomato with triple lycopene content; unique, aromatic taste with lower acidity; flesh is bright red and very durable.	50 seeds	Untreated	H56789NG

\*\* Variety included in List d.  
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TIGER F1











KALYPSO



GREEN ZEBRA\*\*

### Striped tomato

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
 GREEN ZEBRA**	Medium		80 - 120 g	-	Green striped fruit. Very juicy flesh.	100 seeds	Organic 	056152BG
 KALYPSO	Season		70 - 90 g	-	Green fruit with pink stripes. Melting and very juicy flesh. Perfect with the 'Green Zebra'.	50 seeds	Organic 	056648BG
 TIGER F1	Medium		40 - 45 g	HR: ToMV, TYLCV, Vd, Fol, Ma/ IR: Mi	High lycopene content, dark red flesh, reddish brown marbling; suitable only for single fruit harvest and with a good shelf life after harvesting.	50 seeds	Untreated	H56121NG

**GARANCE F1** 🍅

Durability and fruit quality

**PANNOVY F1****JASPINA F1** 🍅**BOLSTAR GRANDA****IZMIR F1****MATINA****CULTIVATION ADVICE**

The disease Tomato Spotted Wild Virus (TSWV) is increasingly becoming a serious threat during production. Our varieties marked with the "TSWV" logo are resistant or very resistant to this disease.












































HR: **GARANCE F1**,  
IR: **JASPINA F1**

**SERRAT F1** 🍅**HAMLET F1** 🍅**DIPLOMA F1** 🍅

## Indeterminate varieties



## Round 'Hellfrucht' tomato

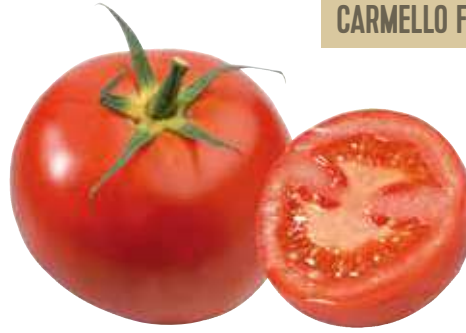
Varieties	Harvest maturity	Shape	Average weight	Calibre	Resistances	Firmness	Characteristics	Min Qty	Product type	Item no.
 BAUNA F1	Very early		90 - 100 g	47-57	HR: ToMV: 0-2, Ff: A-E, Va:0, Vd:0, Fol:0-2, For / IR: TYLCV		Ideal variety for semi-professional cultivation. Very high earliness and good fruit quality, high field tolerance against Phytophthora.	50 seeds	Untreated	H56755NG
DIPLOM F1 	Very early		90 g	47-57	HR: Pf A-E, ToMV		'Hellfrucht' type with uniform colouring and very good flavour, high fruit and total yield, vigorous and open growth.	50 seeds	Organic 	056045BG
PANNOVY F1	Very early		80 - 90 g	47-57	HR: ToMV, Ff, Vd, Fol		Standard variety in taste and earliness; very uniform, round fruits.	50 seeds	Untreated	H56781NG
 MATINA	Very early		50 - 70 g	40-60	-		Outdoor tomato, robust, vigorous growth medium-sized, bright red fruits without a greenback.	1 g	Organic 	056031BS
 FIORENTINO F1	Early		165 g	67 - 82	HR: ToMV 0-2, Va(O), Vd(O), Fol 0-2 IR: TYLCV, Ma, Mi, Mj		Tomato for loose harvesting. Vigorous and robust plant. Less pronounced ribbing, smoother surface overall. Homogenous calibre. Firm fruit. Very good taste, sweet and fleshy.	50 seeds	Organic 	056254BG
CINDEL F1	Early		150 g	67 - 77	HR: ToMV 0-2, Va(O), Vd(O), Fol 0, 1		Uniform fruit colour. Very good fruit set. Robust plant. Very good flavour.	50 seeds	Untreated	H56012NG
 GARANCE F1 	Early		150 g	57 - 67	HR: Fol 0, 1, For, ToMV, Pl, PsT, TSWV		Firm fruits. Good shelf life after harvest. High lycopene and Vitamin C content. Harvest when red! Very good flavour.	50 seeds	Organic 	056406BG
SERRAT F1 	Early		110 g	57 - 67	HR: ToMV, Va, Vd, Fol 0, 1		Long life tomato for harvesting on the vine and individually, very good early and total yield, proven variety for seedling resale.	50 seeds	Organic 	056690BG
IZMIR F1	Early		110 - 130 g	57 - 67	HR: ToMV, Ff, Va, Vd, Fol; IR: Ma, Mi, Mj		For outdoors and greenhouse; open plant structure, good fruit firmness even when fully ripe; successor to Olivia F1; ideal variety for plant sale.	50 seeds	Untreated	H56769NG
HAMLET F1 	Early		100 g	47-57	HR: Pf A-E, ToMV, Fol 0,1, Va, Vd IR: Ma, Mi, Mj		Very firm, round tomato for the single fruit harvest, uniformly large, solidly coloured fruit with high yield, indeterminate growing, ideal for seedling resale.	50 seeds	Organic 	056676BG
 BOLSTAR GRANDA	Early		100 - 120 g	57 - 67	HR: Pf A-E, ToMV 0, Va(O), Vd(O), Fol 0, 1, For		Very vigorous plant, for growing in the cold house. Firm fruit with a mild taste and slow colouring, which enables a good shelf life after harvesting. Variety specially selected for organic cultivation.	50 seeds	Organic 	056543BG
  JASPINA F1 	Medium-early		130 - 160 g	67-77	HR: ToMV, Fol 1,2, PfA-E, Va,(O), Vd,(O) IR: TYLCV, TSWV, Ma, Mi, Mj		Very nice fruit colour, quite firm and good taste quality.	50 seeds	Untreated	056601NG

COUNTRY TASTE F1 

## Indeterminate varieties










## CARMELLO F1



## ROSE DE BERNE



## Round beefsteak tomato



Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
 ROSE DE BERNE	Early		120 - 180 g	—	Thin skin. Harvest when fully ripe. Very sweet and aromatic.	100 seeds	Organic 	056155BG
CARMELLO F1	Medium-early		180-220 g	HR: ToMV, Vd, Fol, Sbl; IR: Ma	Robust variety for market gardeners and amateur growers; vigorous growth, very resistant to bursting, very beautiful seedling.	250 seeds	Untreated	056008NG
COUNTRY TASTE F1 	Medium-early		Up to 250 g	HR: ToMV, Fol O.1, Va, Vd IR: Ma, Mi, Mj	Juicy beefsteak tomato with very large, dark red fruits which remain easy to slice even when ripe; a tasty enrichment in amateur cultivation for seedling resale.	50 seeds	Organic 	056654BG

## Semi-determinate varieties

## KAPONET F1



## Balcony tomato

Variety	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
 KAPONET	Early		180 g	HR: ToMV, Ff, Vd, Fol, Ma, Mi, Mj	Semi-determinate bush tomato with very good flavour and a wide resistance package, also ideal for large pots/hanging baskets.	50 seeds	Untreated	H56772NG



## Determinate varieties

**Seed requirements:**  
5 g for 1,000 plants  
250-300 seeds/g

**Germination:**  
5-14 days at 25°C

**Growing temperature:**  
15°C night temperature, 18-20°C during the day

**Cultivation period for a seedling:**  
4 to 6 weeks

**Planting density:**  
• 1.8 to 2.5 plants/m<sup>2</sup> open field, i.e. 40-50 x 100-150 cm  
• 1.2 to 1.5 plants/m<sup>2</sup> open field, without a pole, i.e. 50-60 x 140-180 cm



RANGER F1



NEW

YELLOW DONUT

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
RANGER F1	Medium-early		85 g	HR: Va, Vd, Fol O,1 IR: Ma, Mi, Mj	Growth limited to half height. Suitable for seedlings, resale and as industrial tomatoes.	250 seeds	Untreated	056686NG
YELLOW DONUT (GV 563037)	Medium-early		170-200g	-	Very high-yield bush and beefsteak tomatoes, strikingly large, flat and round, bright yellow fruit, very tasty, suitable for pot cultivation.	50 seeds	Organic	056805BG



# Tomato - Rootstock

*Solanum lycopersicum L.*



ARNOLD F1



BEAUFORT F1

Varieties	Harvest maturity	Resistances	Characteristics	Min Qty	Product type	Item no.
ARNOLD F1	Early	HR: ToMV, Ff, Vd, Fol / IR: Mi, PI	Can be easily combined with a vegetative variety; high percentage of usable plants. Type: Rootstock.	50 seeds	Untreated	H56749NG
BEAUFORT F1	Early	HR: ToMV, Va, Vd; Fol, For, Ma, Mi, Mj, .PI	Known rootstock for tomatoes and aubergines with excellent growth. Type: Rootstock.	50 seeds	Untreated	H56162NG



CARAVAGGIO F1\*



MIŁOS F1



NAXOS F1



RHODES F1



PATMOS F1



BLACK FOREST F1



ZEFIROS F1



KIMBER F1

\* Registration applied for  
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# Zucchini

*Cucurbita pepo L.*

**Sowing:**  
March to July

**Seed requirements:**  
200 g for 1,000 plants  
6-8 seeds/g

**Pre-cultivation:**  
2 to 3 weeks

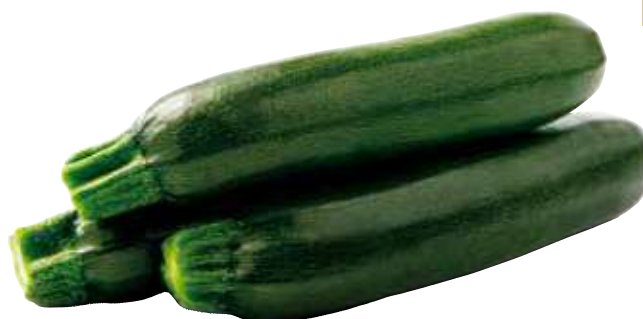
**Germination:**  
3 to 8 days  
18°C minimum soil temperature



**Planting density:**  
100 to 200 cm between rows  
40 to 60 cm in a row, i.e. 7,500 to 10,000 plants/ha



**TIZIANO F1** 🌱



## Green cylindrical varieties

Varieties	Maturity	Colour	Resistances	Type of cultivation	Characteristics	Min Qty	Product type	Item no.
<b>CARAVAGGIO F1*</b> 🌱	Very early	Dark green	IR: CMV, ZYMV, WMV, Px	Λ ∩	Fruit with a homogenous and cylindrical shape, beautiful, shiny, dark green colour, medium strength growth, suitable for planting mid-March under cover and in the soil at the beginning of the season. Also suitable for late season crops in the open field and under cover. The benchmark for presentation quality.	100 seeds	Organic 🌱	028661BG
<b>LOGOS F1</b>	Very early	Dark green	IR: Px/WMV/ZYMV	∩	Very beautiful, dark green fruit for the first crop in the polytunnel or mini-tunnel with a high early yield.	50 seeds	Untreated	H28185NG
<b>RHODES F1</b>	Very early	Dark green	IR: CMV, WMV, ZYMV, Gc, Px	—	Main variety, high uniformity, slight mottling, easy to harvest, suitable for all cultivation sets, best yields.	50 seeds	Untreated	H28190NG
<b>BLACK FOREST F1</b>	Early	Dark green	-	Λ —	Climbing zucchini for amateur cultivation with short fruits; good regeneration; also for outdoor and greenhouse cultivation.	50 seeds	Untreated	H28181NG
<b>NAXOS F1</b>	Early	Dark green	IR: CMV, WMV, ZYMV, Gc, Px	—	For 2nd - 3rd set; very high yield; healthy plant structure, high percentage of grade I; good shelf life after harvesting.	50 seeds	Untreated	H28186NG
<b>PATMOS F1</b>	Early	Dark green	IR: CMV, WMV, ZYMV, Gc, Px	—	Multi-resistant variety, very open plant structure, thus easy to harvest; especially recommended for the second and third sets; slightly shorter fruits than Rhodes; drip irrigation and liquid fertilisation throughout the entire growing period increases the crop reliability and significantly increases the yields.	50 seeds	Untreated	H28189NG
<b>KIMBER F1</b>	Medium-early	Bright Medium green	-	Λ ∩ —	Parthenocarpic variety. Ensures a good harvest, even under difficult conditions. Suitable for protected or outdoor cultivation.	250 seeds	Untreated	028059NG
<b>MILOS F1</b>	Medium-early	Dark green, shiny	IR: CMV, WMV, ZYMV, Gc, Px	—	Compact size, for the 2nd and 3rd set, with light mottling, compact growth with good and fast harvestability; very suitable for organic cultivation.	50 seeds	Untreated	H28165NG
<b>TIZIANO F1</b> 🌱	Medium-early	Dark green	IR: CMV, ZYMV, WMV, Gc, Px	—	Open growth, short internodes, easy to harvest. Generative plant. For outdoor production.	100 seeds	Organic 🌱	028166BG
<b>ZEFIROS F1</b>	Medium-early	Dark green	IR: CMV, WMV, ZYMV, Gc, Px, PRSV	—	Quadruple virus resistance, open, upright plant, easy to harvest; for the second and third sets in summer cultivation.	50 seeds	Untreated	H28193NG

**GOLDEN GLORY F1**



**LINGODOR F1\***



**SUNSTRIPE F1**



**CAPRICE F1**



**GRAVITY F1**



**LUNEOR F1**







**PATIO STAR F1**










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### Yellow cylindrical varieties

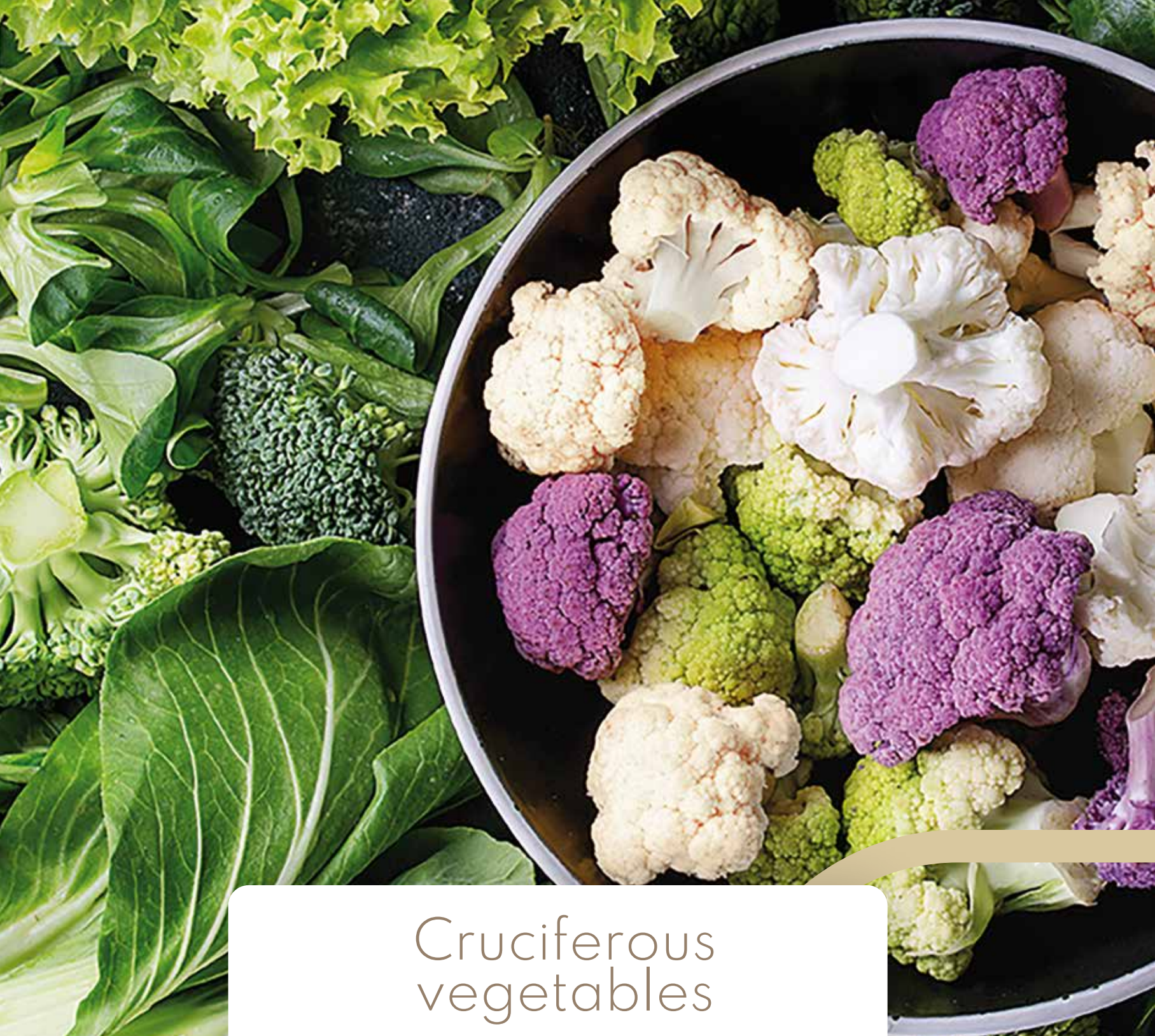
Varieties	Maturity	Fruit		Resistances	Type of cultivation	Characteristics	Min Qty	Product type	Item no.
		Colour	Length (cm)						
<b>GOLDEN GLORY F1</b>	Early		16 - 20	IR WMV, ZYMV	∩ —	Early responding yellow zucchini with resistances for professional cultivation.	50 seeds	Untreated	H28183NG
<b>LINGODOR F1*</b>	Medium-early		16-18	IR: ZYMV, WMV, CMV, PRSV, Px	∧ ∩ —	Vigorous and productive plant, good preservation of the fruit after harvesting.	50 seeds	Organic 	O28175BG
<b>SUNSTRIPE F1</b>	Medium-early		16 - 20	-	—	Golden yellow striped fruits.	50 seeds	Untreated	H28192NG

### Other varieties

Varieties	Maturity	Colour	Resistances	Type of cultivation	Characteristics	Min Qty	Product type	Item no.
<b>CAPRICE F1</b>	Early		IR: CMV, Gc, Px, WMV, ZYMV	∧ —	Round zucchini for all sets, very vigorous growth in many locations, very attractive product for gastronomy, harvest size 5-10 cm diameter.	50 seeds	Untreated	H28182NG
<b>GRAVITY F1</b>	Early		IR: ZYMV/WMV/CMV/Px	∧ ∩ —	A moderately vigorous plant without side shoots. Good shelf life of the fruit.	50 seeds	Organic 	O28714BG
<b>LUNEOR F1</b>	Early		IR: ZYMV, WMV, CMV, Px	∩ —	Plants are upright and open. Good yield potential.	50 seeds	Organic 	O28149BG
<b>SATELLITE F1</b>	Early		-	—	Round zucchini for all sets, harvested in tennis ball size with a diameter of about 9-10 cm; grows bushy without vines.	50 seeds	Organic 	O28080BG

### Pot and balcony zucchini

Variety	Maturity	Colour	Characteristics	Min Qty	Product type	Item no.
<b>PATIO STAR F1</b>	Early	Dark green	A very compact zucchini plant that is perfect for containers and pots; cylindrical fruit shape.	50 seeds	Untreated	H28188NG



## Cruciferous vegetables

One of the most diverse plant species in the world! For VOLTZ Maraîchage, it would be out of the question to forego this diversity. Our teams work for you to select the best genetics in every species and type. The end result is a complete range, an assortment tailored to your capacity. We have strict selection criteria: We only select varieties that match the expectations of consumers and producers in their production. For the consumer, they offer a wide variety of shapes, colours and flavours in all variations. For you as a producer, they ensure the yield and resistance to pathogens (clubroot, bacterial diseases).

# Broccoli

*Brassica oleracea botrytis var. italica L.*

**Sowing:**  
November - early July

**Seed requirements:**  
6 to 8 g for 1,000 plants  
350 seeds/g

**Pre-cultivation:**  
4 - 7 weeks

**Germination:**  
6-10 days



**Planting density:**  
20,000 - 30,000 plants/ha

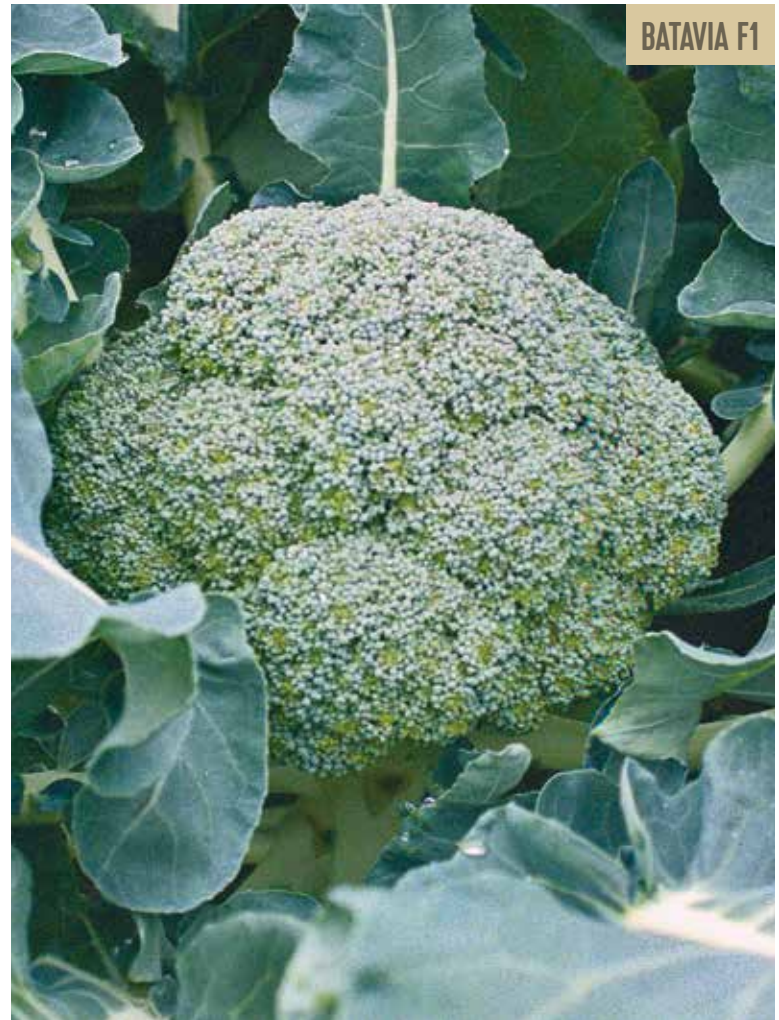
Administer the nitrogen in stages. Harvest the closed flowers (before flowering) and place them immediately in the cold room.



**MARATHON F1**



**MONTOP F1**



**BATAVIA F1**

Varieties	Production calendar	Cycle Planting Harvest	Head		Characteristics	Min Qty	Product type	Item no.
			Budsize	weight				
<b>MONTOP F1</b>	J F M A M J J A S O N D ■ ■	60-65 days	Fine - medium coarse	350- 500 g	Variety in autumn; tall, round flower; no planting before 15th May; high head weight.	2,500 precision	Untreated	H21048NK
<b>BATAVIA F1</b>	J F M A M J J A S O N D ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	65 days	Fine	~300 g	Fast growth for spring and summer production. Light green, beautifully round, tall and medium-sized flower. Few side shoots. Recommended for the fresh food market.	500 precision	Organic	H21035BK
<b>MARATHON F1</b>	J F M A M J J A S O N D ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	70-80 days	Fine - medium coarse	350 - 400 g	Good tolerance against bacterial rot.	2,500 precision	Untreated	O21009NK

■ Sowing ■ Harvest



### BELSTAR F1

Strength and resistance to diseases



Varieties	Production calendar	Cycle Planting Harvest	Head		Characteristics	Min Qty	Product type	Item no.
			Budsize	weight				
<b>BELSTAR F1</b>	J F M A M J J A S O N D	75 days	Fine - medium coarse	~350 g	Very vigorous plant. Good tolerance against downy mildew.	500 precision	Organic	H21022BK
<b>STEEL F1</b>	J F M A M J J A S O N D	75-97 days	Fine - medium coarse	350- 500 g	Good heat tolerance and long harvest window, combined with Ironman F1, there is a reliable staggering of harvests.	2,500 precision	Untreated	H21029NK

# Cima di rapa

*Brassica rapa var. cymosa.*



Variety	Production calendar	Cycle Sowing - Harvest	Characteristics	Min Qty	Product type	Item no.
<b>CAVOLO GETTI E FOGLIE</b>	J F M A M J J A S O N D	80 days	Italian speciality for fine dining; cut off at a height of 30-40 cm as soon as the broccoli-like florets have a diameter of 2-3 cm.	10 g	Untreated	043013NS

Sowing Harvest

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The guide for organic vegetable growers

**VOLTZ**  
MARAICAGE



# Brussels sprouts

*Brassica oleracea L. var bullata gemmifera*

**Sowing:**  
February to the beginning of April

**Seed requirements:**  
600 to 700 seeds/g

**Pre-cultivation:**  
4 to 8 weeks

**Germination:**  
6-10 days



**Planting density:**  
40 to 65 x 60 cm i.e.  
23,000 to 40,000 plants/h

Caution: Boron deficiency risk



**NAUTIC F1**  
Field durability and appearance



**IGOR F1**



NEW

**CHRISTMAS ROSE F1**



## COOKING TIP

For curious people who want to offer their customers a different fast-cooking mini-cabbage. Can be eaten steamed, fried, boiled or blanched.



Varieties	Production calendar	Plant harvest cycle	Colour	Plant height	Characteristics	Min Qty	Product type	Item no.
<b>NAUTIC F1</b>	J F M A M J J A S O N D	160 days	Lush green	Tall	Medium-early stable variety with fine dark green florets, good to harvest due to fine stalk projection. Very robust against rust and mildew.	500 precision	Organic	H18037BK
<b>MAXIMUS F1</b>	J F M A M J J A S O N D	160 days	Dark green	Tall	Universal variety for all cultivation locations for manual and machine harvesting.	2,500 precision	Untreated	H18039NK
<b>GRONINGER</b>	J F M A M J J A S O N D	180 days	Medium green	Tall	Vigorous plant that produces large and firm heads.	10 g	Organic	018040BS
<b>IGOR F1</b>	J F M A M J J A S O N D	200 days	Lush green	Tall	Medium-late very stable variety with high-yield, dark green, firm, smooth florets, very good frost hardiness and health. For manual and machine harvesting.	500 seeds	Organic	018017BG
						1,000 pills		018017BE
						2,500 precision		018017BK

### Other variety

<b>CHRISTMAS ROSE F1</b>	J F M A M J J A S O N D	240 days	Medium green	Tall	Medium-early variety with very nice colour. For harvesting from November to January. The highest of the three kalette varieties, high yields of tasty kalettes for the important Christmas season and remains in best quality throughout November and December.	2,500 precision	Untreated	H18059NK
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NEW

# Cauliflower

*Brassica oleracea convar botrytis L.*

**Sowing:**  
January - July

**Seed requirements:**  
6 to 8 g for 1,000 plants.  
1.5 g/m<sup>2</sup> in the nursery  
250 seeds/g

**Pre-cultivation:**  
4 - 7 weeks

**Germination:**  
6-10 days



**Planting density:**  
12,000 to 30,000 plants/ha  
Set cultivation recommended



**BALBOA F1**

Good appearance and durability in the field



**FLAMENCO F1**



**ARIZONA F1**



**GRAFFITI F1**



**VERONICA F1**

## White cauliflower

Varieties	Production calendar	Cycle Sowing - Harvest	Blanching	Characteristics	Min Qty	Product type	Item no.
<b>FLAMENCO F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	75 days	Good	Firm, white heads with strong, upright leaves. Very good blanching and the good durability of the heads ensure a high top quality percentage.	1,000 precision	Organic	H16110BK
<b>ARIZONA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	65-70 days	Good	Flexible variety with attractive fruits. Vigorous plant with good heads uniformity	500 precision	Untreated	H16189NK
<b>BALBOA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	90 days	Fairly good	Good durability in the field before harvesting.	500 precision	Organic	H16005BK
<b>SKYWALKER F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	90-110 days	Good	Healthily strong-leaved variety for autumn cultivation, heavy, fine white flower.	500 precision	Organic	O16074BK
<b>TABIRO</b>	J   F   M   A   M   J   J   A   S   O   N   D	95-110 days	Good	Medium-late summer and autumn variety with very good blanching.	1,000 precision	Organic	O16187BK

## Colourful cauliflower

Varieties	Production calendar	Cycle Sowing - Harvest	Colour	Characteristics	Min Qty	Product type	Item no.
<b>GRAFFITI F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	75 days		Purple, approx. 1 kg. Strong leaves; do not cover: colouring is enhanced by the light. Asset for the fresh food market.	500 precision	Untreated	O16016NK
<b>VERONICA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	90 days		Romanesco type. Stable variety for late summer and autumn cultivation, uniform dark green plant. Resistant to downy mildew.	500 precision	Organic	H16058BK
<b>SUSANA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	100 days		Green cauliflower with rapid growth. Very uniform.	500 precision	Untreated	H16017NK

Planting

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MARAICHAGE

# Chinese cabbage

*Brassica pekinensis (Lour.) Rupr.*

**Sowing:**  
February to about 20th July, seedling production, from mid-July to about 10th August direct sowing

**Germination:**  
5 to 10 days at a minimum soil temperature of 18°C



**Growing temperature:**  
For sowing in soil blocks: 17-20°C soil temperature; 10-25°C air temperature  
To avoid bolting, shade the seedlings for 15 to 16 hours for 2 to 3 weeks (or until 14th July).

**Planting density:**  
depending on desired head weight  
60,000 to 100,000 plants/ha



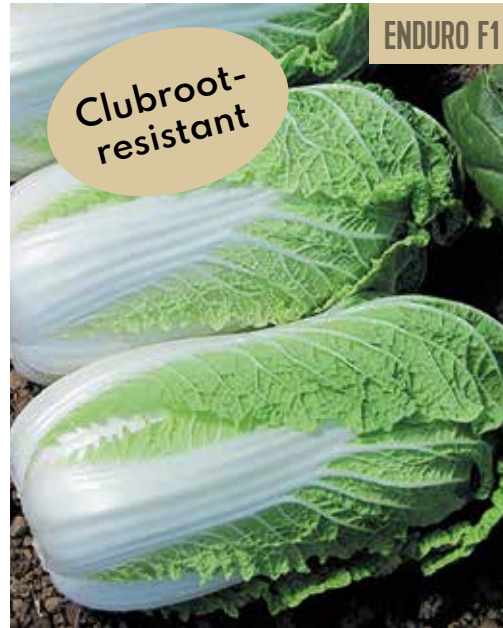
SPRINKIN F1



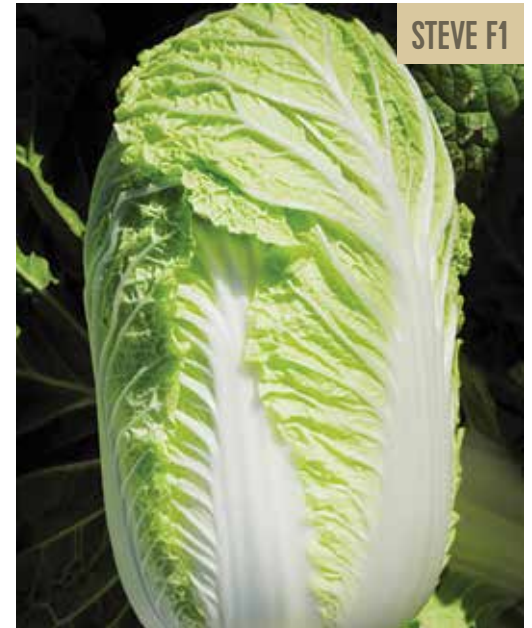
KILAKIN F1



BILKO F1



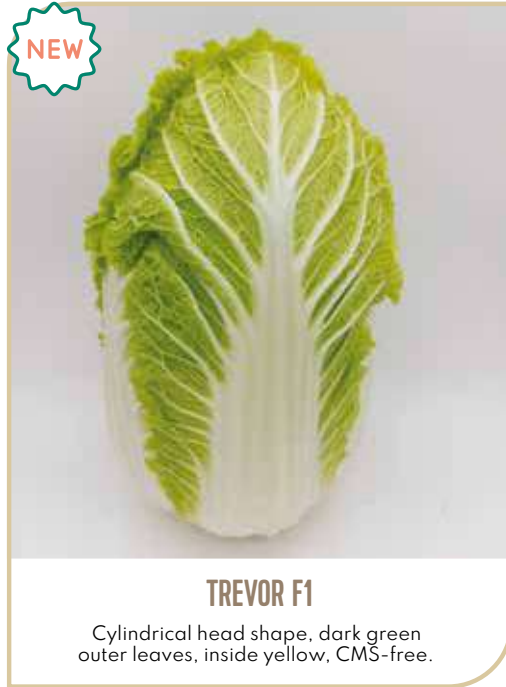
ENDURO F1



STEVE F1

Varieties	Production calendar	Cycle Sowing - Harvest	Characteristics	Min Qty	Product type	Item no.
SPRINKIN F1	J   F   M   A   M   J   J   A   S   O   N   D	57 days	Oval head shape; high resistance to bolting; for summer and autumn cultivation, high head weight, dark green, firm heads.	2,500 precision	Untreated	H19031NK
KILAKIN F1	J   F   M   A   M   J   J   A   S   O   N   D	59 days	Oval head shape; early clubroot-resistant variety; compact growth form, very high resistance to bolting.	2,500 precision	Untreated	H19026NK
PARKIN F1	J   F   M   A   M   J   J   A   S   O   N   D	70 days	Cylindrical head shape; dark green, tightly closed; for autumn cultivation; little cleaning wastage.	2,500 precision	Untreated	H19003NK
BILKO F1	J   F   M   A   M   J   J   A   S   O   N   D	65-70 days	Summer and autumn cultivation, cylindrical heads from 1,000 to 1,600 g, clubroot HR: Pb 0,1,3. Very good shelf life.	500 precision	Organic	H19012BK
ENDURO F1	J   F   M   A   M   J   J   A   S   O   N   D	65 days	Interesting new variety with flat bottom and dark green, blistered outer leaves; cylindrical head shape.	1,000 pills	Untreated	H19017NE
STEVE F1	J   F   M   A   M   J   J   A   S   O   N   D	65 - 70 days	Cylindrical head shape; small-scale product, ideal for individual marketing.	2,500 precision	Untreated	H19032NK





Varieties	Production calendar	Cycle Sowing - Harvest	Characteristics	Min Qty	Product type	Item no.
<b>TREVOR F1</b>	J   F   M   A   M   J   <b>J</b>   <b>A</b>   S   O   N   D	65 - 70 days	Cylindrical head shape, dark green outer leaves, inside yellow, CMS-free.	2,500 precision	Untreated	H19037NK
<b>VERAFLEX F1</b>	J   F   M   A   <b>M</b>   <b>J</b>   <b>J</b>   <b>A</b>   S   O   N   D	55 - 60 days	Summer and autumn variety for planting from week 18 onwards, with excellent field durability, tightly closed heads.	2,500 precision	Untreated	H19034NK

# Pak choi

*Brassica rapa subs. chinensis*

**Sowing:**  
February to about 20th July, seedling production, from mid-July to about 10th August direct sowing

**Germination:**  
5 to 10 days at a minimum soil temperature of 18°C



**Growing temperature:**  
For sowing in soil blocks: 17-20°C soil temperature; 10-25°C air temperature  
To avoid bolting, shade the seedlings for 15 to 16 hours for 2 to 3 weeks (or until 14th July).

**Planting density:**  
depending on desired head weight  
60,000 to 100,000 plants/ha



Varieties	Production calendar	Cycle Sowing - Harvest	Characteristics	Min Qty	Product type	Item no.
<b>GREEN PARROT F1</b>	J   F   M   <b>A</b>   <b>M</b>   <b>J</b>   <b>J</b>   <b>A</b>   S   O   N   D	55-60 days	Dark green Shanghai Pak Choi with high bolting tolerance. Upright and compact variety with good field durability. Colour of stem: dark green.	1,000 seeds	Untreated	H19036NG
<b>MEI QING CHOI F1</b>	J   F   M   <b>A</b>   <b>M</b>   <b>J</b>   <b>J</b>   <b>A</b>   S   O   N   D	55-60 days	Green ribs. For harvesting both as a mini vegetable or as a mature plant. Planting from June to September recommended.	500 precision	Untreated	039504NK
<b>TAISAI</b>	J   F   M   A   M   J   <b>J</b>   <b>A</b>   S   O   N   D	50-60 days	Beautiful white ribs on wide leaves form a delicate and delicious head. The taste is reminiscent of cabbage and chard. The ribs are slightly sweet.	10 g	Organic	019015BS

— Planting — Harvest  
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# Kale cabbage

*Brassica oleracea L.*

**Sowing:**  
May - June

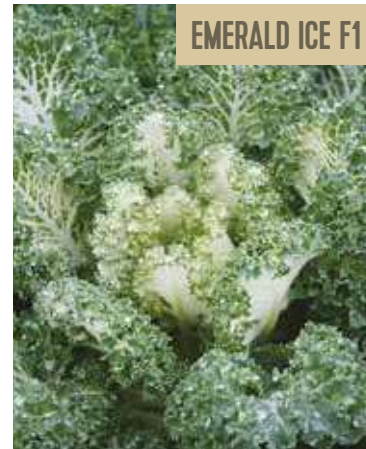
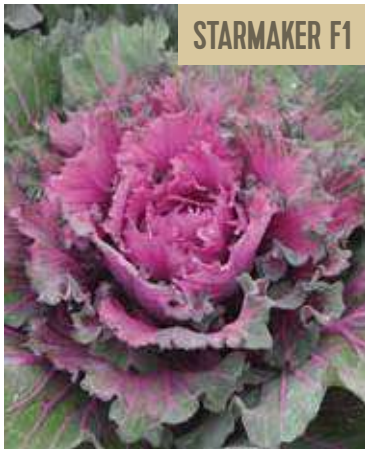
**Seed requirements:**  
5 to 6 g for 1,000 plants.

**Pre-cultivation:**  
4 to 6 weeks

**Germination:**  
6-10 days



**Planting density:**  
40 x 50 cm, i.e. 50.000 plants/m<sup>2</sup>



Varieties	Production calendar	Characteristics	Min Qty	Product type	Item no.
<b>BLACK MAGIC F1</b>	J F M A M J J A S O N D ■                  ■	Innovative product; hardy; dark, very upright, leaves like Savoy cabbage; taste improves due to frost.	500 precision	Untreated	H22016NK
<b>EMERALD ICE F1</b>	J F M A M J J A S O N D ■                  ■	Interesting new colour in the collard greens segment.	500 precision	Untreated	H22017NK
<b>NERO DI TOSCANA</b>	J F M A M J J A S O N D ■                  ■                  ■	Traditional Italian variety. Very dark, blue-green foliage.	500 seeds	Organic	O22005BG
<b>REDBOR F1</b>	J F M A M J J A S O N D ■                  ■                  ■	Curly foliage in a beautiful, intense purple/crimson colour.	500 precision	Organic	H22004BK
<b>MIDNIGHT SUN F1 (TZ 0277)</b>	J F M A M J J A S O N D ■                  ■	During cooking, the leaf colour intensifies; for bundled products; loose harvest and cut leaves.	500 precision	Untreated	H22018NK
<b>STARMAKER F1 (TZ 8011)</b>	J F M A M J J A S O N D ■                  ■	Sweet, tender leaf in a great colour.	500 precision	Untreated	H22013NK
<b>WESTLANDSE WINTER</b>	J F M A M J J A S O N D ■                  ■                  ■	Very hardy variety. Half height plant with curly leaves and upright plant structure. Sweet taste. Slightly sweet taste.	10 g	Organic	O22006BS

Planting Harvest

# Red cabbage

*Brassica oleracea var capitata F. rubra L.*





### INTEGRO F1

Versatile under difficult conditions



Varieties	Production calendar	Cycle Planting Harvest	Head		Use	Characteristics	Min Qty	Product type	Item no.
			Shape	weight					
<b>AVIATO F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	65-70 days		0.4-2.0 kg	Fresh food market	Early red cabbage for the fresh food market. Beautiful structure and colour, long harvest window.	2,500 precision	Untreated	H15032NK
<b>RED PEARL F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	70 days		0.8 - 1.0 kg	Fresh food market	Very early, universally usable, smallish red cabbage with an excellent colour, very good field durability.	2,500 precision	Untreated	H15048NK
<b>INTEGRO F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	95 days		1-2.5 kg	Fresh food market	Versatile use, planting from April to early July, good field durability, very burst-resistant, with later planting also storable until the end of January.	1,000 precision	Organic	H15031BK
<b>REDMA F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	110 days		1.5-2.5 kg	Fresh food market	Round head with particularly attractive interior colour for fresh food market and processing.	2,500 precision	Untreated	H15036NK
<b>KLIMARO F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	125 days		2.5-4 kg	Fresh food market / industry	Largish fresh food market and industrial cabbage, beautiful interior structure, stable with slightly tall, rounded heads.	1,000 precision	Organic	H15002BK
<b>RESIMA F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	130 days		1-2.5 kg	Fresh food market / storage	Good field health, easy to harvest, very good exterior and interior colour.	2,500 precision	Untreated	H15038NK
<b>SALUDA F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	125-130 days		2-3 kg	Fresh food market / storage	Tall, round head with deep red interior structure, healthy interior and exterior quality. Head high above the ground.	2,500 precision	Untreated	H15039NK
<b>TRAVERO F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	130 days		1.5-3 kg	Fresh food market / storage	Round heads, very good interior structure, standard variety in organic farming for long storage. Suitable for tight planting spacing.	1,000 precision	Organic	H15004BK
<b>SUBARO F1</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	135 days		1-3 kg	Fresh food market	Good structure, fine leaves. Good field stability and good shelf life.	1,000 precision	Untreated	H15010NK
<b>Pointed red cabbage</b>									
<b>KALIBOS</b>	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S Harvest: J, A, S, O, N, D	105 days		2-2.5 kg	Fresh food market	Unique red variety. Sweet taste and crisp interior structure. Very limited storage time.	500 precision	Organic	014152BK

# White cabbage

*Brassica oleracea capitata L.*



**CHANA F1** 🌱

Bluish colouring and head filling



**FARAO F1**

Vigorous and early

**Sowing:**  
January - August

**Seed requirements:**  
6 to 8 g for 1,000 plants  
300 seeds/g

**Pre-cultivation:**  
4 - 7 weeks

**Germination:**  
6-10 days



**Planting density:**  
50,000 to 65,000 plants/ha in early crop;  
35,000 to 55,000 plants/ha for late harvesting and storage

Planting density for industry 25,000 - 35,000 plants/ha

**Storage life:**  
For optimal storage in the cold room, a healthy, undamaged cabbage should be harvested before it is fully ripe.

**KALORAMA F1**



**STORIDOR F1**



**TYPHOON F1**



**LENNOX**



**FILDERKRAUT**



**AUSTIN F1**



**SWEETY F1**













**ALLEGRO F1**







**CARAFLEX F1**





## Fresh food market

Varieties	Production calendar	Cycle Planting Harvest	Head		Storage suitability	Characteristics	Min Qty	Product type	Item no.
			Shape	weight					
 FARAO F1	J   F   M   A   M   J   J   A   S   O   N   D	65 days		0.8 - 1.5 kg	●○○○○	Round, green and vigorous early cabbage with very high yield.	500 precision	Organic 	H14086BK
HOUSTON F1	J   F   M   A   M   J   J   A   S   O   N   D	68 days		1.5 kg	●○○○○	Very bolt-resistant, dark green, thin-leaved fresh food market cabbage; very suitable for salad production.	2,500 precision	Untreated	H14230NK
CASTELLO F1	J   F   M   A   M   J   J   A   S   O   N   D	80 days		1.5-5 kg	●●●○○	Flexible, bolt-proof variety for staggered year-round planting.	2,500 precision	Untreated	H14079NK
STORIDOR F1	J   F   M   A   M   J   J   A   S   O   N   D	130-135 days		2.5-3.5 kg	●●●●○	Uniform, fresh green colour after long storage, also used as a promotional product, good stability.	2,500 precision	Untreated	H14243NK
KALORAMA F1	J   F   M   A   M   J   J   A   S   O   N   D	130-150 days		1.5-2.5 kg	●●●●○	Very uniform size and good field durability.	1,000 precision	Organic 	H14049BK
LENNOX	J   F   M   A   M   J   J   A   S   O   N   D	140 days		3-5 kg	●●●●○	Reliable standard variety for fresh food market and industry for long-term storage.	1,000 precision	Organic 	H14076BK











## Industry

Varieties	Production calendar	Cycle Planting Harvest	Head		Storage suitability	Characteristics	Min Qty	Product type	Item no.
			Shape	weight					
AUSTIN F1	J   F   M   A   M   J   J   A   S   O   N   D	95-105 days		4-6 kg	○○○○○	Very early industrial cabbage with very good interior quality; for harvesting at the end of August.	2,500 precision	Untreated	H14224NK
RAMCO	J   F   M   A   M   J   J   A   S   O   N   D	130 days		5-8 kg	○○○○○	Standard variety for September harvest, very good for machine harvesting.	2,500 precision	Untreated	H14030NK
TYPHOON F1	J   F   M   A   M   J   J   A   S   O   N   D	130 days		6 kg	●●●○○	Autumn variety for the industrial market. Very healthy plant with good resistance to thrips.	1,000 precision	Organic 	H14217BK

## Flat cabbage

Varieties	Production calendar	Cycle Planting Harvest	Head		Use	Characteristics	Min Qty	Product type	Item no.
			Shape	weight					
AUTUMN PRINCE F1	J   F   M   A   M   J   J   A   S   O   N   D	75-85 days		2-3 kg	Fresh food market and industry	Medium-early flat cabbage, with a beautiful colour and good taste, very uniform and robust against thrips. HR:Foc IR: Mb.	2,500 precision	Untreated	H14226NK
SWEETY F1	J   F   M   A   M   J   J   A   S   O   N   D	90 days		2-3 kg	Fresh food market	Late summer and autumn, good plant health, fresh green head colour that lasts long after harvesting.	2,500 precision	Untreated	014041NK

## Pointed white cabbage

Varieties	Production calendar	Cycle Planting Harvest	Head		Use	Characteristics	Min Qty	Product type	Item no.
			Shape	weight					
ALLEGRO F1	J   F   M   A   M   J   J   A   S   O   N   D	60 days		0.8-1.4 kg	Fresh food market	Very bolt-resistant pointed cabbage with a very thin leaf and a harvest window of about 2 weeks.	2,500 precision	Untreated	H14238NK
TOURIMA F1	J   F   M   A   M   J   J   A   S   O   N   D	65 days		0.5-2 kg	Fresh food market, short storage	Long harvest window, fresh green, slim head shape, filled early.	2,500 precision	Untreated	H14239NK
 CHANA F1 	J   F   M   A   M   J   J   A   S   O   N   D	Spring: 65-70 days Autumn: 160 days		0.8-1.5 kg	Fresh food market	Bluish cabbage with a compact head that is well-filled up to the top.	500 precision	Organic 	014025BK
CARAFLEX F1	J   F   M   A   M   J   J   A   S   O   N   D	75 days		0.5-2 kg	Fresh food market, sauerkraut, warehouse	Attractive, medium-slim heads, long growing period and limited suitability for storage.	2,500 precision	Organic 	H14211BK
FILDERKRAUT	J   F   M   A   M   J   J   A   S   O   N   D	95 days		3-5 kg	Fresh food market, industry, sauerkraut, warehouse	Excellent taste, for sauerkraut production, Swabian speciality, only available as organic seeds.	1,000 precision	Organic 	014206BK

# Savoy cabbage

*Brassica oleracea var. sabauda L.*

**Sowing:**  
December - June

**Seed requirements:**  
6 to 8 g for 1,000 plants.

**Pre-cultivation:**  
4 - 7 weeks

**Germination:**  
6-10 days



**Planting density:**  
20,000 to 35,000 plants/ha



**CANTASA F1**  
Compact and uniform heads



**FAMOSA F1**



**MELISSA F1**



**DE PONTOISE 2**



**PARESA F1**

Varieties	Production calendar	Cycle planting - harvest	Head		Cold resistance	Characteristics	Min Qty	Product type	Item no.
			Colour	weight					
<b>ALCOSA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	62 days	Light green	1-2 kg	Good	Fast-growing early Savoy cabbage, very beautiful yellow interior quality.	2,500 precision	Untreated	HI7033NK
<b>FAMOSA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	70 days	Dark green	1-2 kg	Good	Good heat resistance, compact head.	1,000 precision	Organic	HI7037BK
<b>MELISSA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	80 days	Grey-green	1-2 kg	Good	Compact cabbage with a good interior quality.	1,000 precision	Organic	HI7018BK
<b>DE PONTOISE 2</b>	J   F   M   A   M   J   J   A   S   O   N   D	110-130 days	Slightly purple	1-2 kg	Good	Late winter variety with a large, firm head, reddish, slightly blistered outer leaves.	500 seeds	Organic	O17015BG
<b>CANTASA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	125 days	Grey-green	1-2 kg	Very good	Compact and uniform heads.	500 precision	Organic	HI7035BK
<b>ALASKA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	160 days	Blue-green	1.5-2.5 kg	Very good	Winter Savoy cabbage with slightly curly, firm heads. Very storable, ideal for winter storage.	2,500 precision	Untreated	HI7030NK
<b>PARESA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	160 days	Dark green	1.5-3 kg	Very good	Late variety. Curly head.	500 precision	Organic	HI7026BK

Planting Harvest

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# Kohlrabi

*Brassica oleracea var. gongylodes L.*

**Sowing:**  
Mid-December - July

**Seed requirements:**  
6 to 8 g for 1,000 plants  
250 seeds/g

**Pre-cultivation:**  
4 - 8 weeks

**Germination:**  
6-10 days



**Planting density:**  
In the glasshouse: 160,000 plants/ha (25x25 cm).  
In the field: 100,000-130,000 plants/ha (25 x 30-40 cm)



**AZUR STAR**



**KORIST F1**



**SUPERSCHMELZ**



**NORIKO**



**VIKORA F1**

## Blue kohlrabi

Variety	Maturity	Production calendar	Characteristics	Min Qty	Product type	Item no.
AZUR STAR	Medium-early		Early forcing and open-air variety for heated and cold cultivation, slightly flat and round deep blue tender tuber with a high stalk.	1,000 pills	Organic	020005BE
				500 precision		020005BK
				10 g		020005BS

## White kohlrabi

Varieties	Maturity	Production calendar	Characteristics	Min Qty	Product type	Item no.
CINDY F1	-	<p>Open Field South</p>	Well-known main variety for the first plantings. Colour: white.	2,500 precision	Untreated	H2003ONK
EDER F1	-		Produces flat, round, white tubers with very good interior quality. Eder is a kohlrabi for outdoor and greenhouse cultivation. The variety has vigorous growth and is easy to harvest due to its upright growth.	2,500 precision	Organic	H20009BK
LECH F1	-		For all year round outdoor cultivation; good resistance to leaf diseases, upright, dark green foliage; extremely good field durability from market maturity onwards.	2,500 precision	Organic	H20023BK
KORIST F1	Early		Very early kohlrabi with vigorous growth. Strong foliage.	500 precision	Organic	H20014BK
NORIKO	Early		Characterised by its robustness, with strong foliage. And its root has a good commercial presentation.	500 precision	Organic	020003BK
				1,000 pills		020003BE
VIKORA F1	Early		Fast-growing kohlrabi hybrids for year-round cultivation, universally sowable crop which guarantees excellent quality and high uniformity from the first set of crops until the late autumn harvest.	2,500 precision	Organic	H20033BK
SUPERSCHMELZ	Late		Can grow very large and still remain tender. White giant kohlrabi with long development time, still tender when 3 to 4 kg, planting spacing 50 x 60 cm.	10 g	Organic	020015BS

# Swede

*Brassica napus napobrassica*

## Sowing:

April to June

## Seed requirements:

0.5 to 1.5 kg/ha  
4 to 5 g for 1,000 plants

## Germination:

6-10 days



## Planting density:

20 - 25 x 50 cm  
i.e. 80 to 100,000 plants/ha



## Varieties with purple root neck

Variety	Cycle Sowing - Harvest	Production calendar	Characteristics	Min Qty	Product type	Item no.
HELENOR	110 days	J F M A M J J A S O N D	Very uniform and high yield. Healthy variety, very suitable for storage.	2,500 precision	Organic	H23008BK

## Varieties with green root neck

Varieties	Cycle Sowing - Harvest	Production calendar	Characteristics	Min Qty	Product type	Item no.
WILHELMSBURGER	85-95 days	J F M A M J J A S O N D	Round tuber, very suitable for storage.	50 g	Organic	O23009BS
GLOBE	90-100 days	J F M A M J J A S O N D	Round tuber, without a lateral root. Very good durability in the field. Strong yellow flesh. Good storage suitability. Excellent taste.	10,000 precision	Untreated	O23005NK



Sowing Harvest

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The guide for organic vegetable growers

**VOLTZ**  
MARAIÇAGE



## Leaf vegetables

Spinach, lettuce and baby leaves, etc. We select the best genetics in leaf vegetables. Here, you will find the essentials for your planning, but also original additions to the range.

# Lettuce greenhouse

*Lactuca sativa*

## Sowing:

All year depending on the variety; see table

## Seed requirements:

2 g for 1,000 plants  
800-1,000 seeds/g

## Pre-cultivation:

3 to 8 weeks

## Germination

4-7 days

Temperatures above 23°C can prevent germination.



## Planting density:

10-16 plants/m<sup>2</sup> open field  
16-20 plants/m<sup>2</sup> in glasshouse  
Spacing: 25-35 x 20-30 cm



MARINSKI\*



KIELA



PANUKIA



PAZMANEA



GILMORE\*



RIVALDA




BASALMINE




LIMEIRA





## Batavia lettuce

Variety	Production calendar	Type	Resistances	Characteristics	Min Qty	Product type	Item no.
MARINSKI*	J F M A M J J A S O N D	Open	HR: BI 16-36EU, No.(O) / IR: Fol:1,4	Well-filled variety. Flat bottom with flexible ribs for easy harvesting and handling.	1,000 pills	Organic 	H34162BE


## Oakleaf lettuce

Varieties	Production calendar	Colour	Resistances	Characteristics	Min Qty	Product type	Item no.
KIELA	J F M A M J J A S O N D	Green	HR: BI 16-37EU, No.:0	Vigorous growth, good filling, closed bottom, easy to harvest, long harvest window, resistant to bolting and tip burn, 13-16 plants/m <sup>2</sup> .	1,000 pills	Organic 	H39251BE
NEHERAI	J F M A M J J A S O N D	Red	HR: BI:16-37EU/No.:0	Colour stable, cold cultivation in polytunnel, greenhouse, long harvest window, healthy, closed underside, resistant to tip burn, dry burn and big-vein virus, 14-17 plants/m <sup>2</sup> .	1,000 pills	Untreated	H39032NE

## Butter lettuce

Varieties	Production calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
CANEIRA	J F M A M J J A S O N D	HR: BI 16-36EU, Nr. O	Large butter lettuce with good head and a lot of outer leaves, medium to dark green leaf colour, for cold cultivation in the polytunnel and under glass in the spring.	1,000 pills	Organic 	H34177BE
PANUKIA	J F M A M J J A S O N D	HR: BL: 16 - 37 EU	Medium green forcing lettuce with high head weight, nice bottom and good head filling.	1,000 pills	Untreated	H34185NE
PAZMANEA	J F M A M J J A S O N D	HR: BI 16-36EU/Pb	For heated and unheated cultivation, vigorous growth, flat bottom, flat ribs. Long harvest window, resistant to tip burn, dry burn and bottom rot.	1,000 pills	Untreated	H34186NE
PIA	J F M A M J J A S O N D	HR: BI 17 EU, Pb	Very fast butter lettuce for sale of seedlings and foil house.	1,000 pills	Untreated	H34187NE
GILMORE*	J F M A M J J A S O N D	HR: BI 16-37EU	Long harvest window due to slow filling. Intense red, yellow-green interior colour, beautiful volume. For the whole season under glass. Robust against bolting, tip burn and big vein virus.	1,000 pills	Organic 	H34164BE
RIVALDA 	J F M A M J J A S O N D	HR: BI 16-37EU	Blond, large, vigorous growth, cold cultivation in the polytunnel, thick-leaved, slow filling, good post-harvest behaviour, resistant to bolting and tip burn.	1,000 pills	Organic 	H34188BE

## Lollo - lettuce

Varieties	Production calendar	Colour	Resistances	Characteristics	Min Qty	Product type	Item no.
BASALMINE	J F M A M J J A S O N D	Double red	HR: BI 16-37EU/ No.:0 IR: Pb	Lollo for cold cultivation in a polytunnel or heated greenhouse. Semi-upright, healthy bottom, easy to pack. Resistant to bolting, tip burn and big vein virus.	1,000 pills	Untreated	H38151NE
LIMEIRA	J F M A M J J A S O N D	Medium green	HR:BI 16-37EU IR: Foll	For heated and unheated cultivation in soil, resistant to leaf yellowing, high yield; long harvest window, long shelf life, resistant to bolting, tip burn and dry burn; 13-16 plants/m <sup>2</sup> .	1,000 pills	Organic 	H38146BE

# Outdoor lettuce

*Lactuca sativa*



EDURNE



GRAZER KRAUTHÄUPEL 2



LENY 



STYRIA\*



VOLTRON



TIROLE



TIROLION



MINERAL\*





## Batavia lettuce

Varieties	Production calendar	Type	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green Batavia lettuce</b>							
<b>EDURNE</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Closed	HR: BI 17 EU	Tip burn resistant variety for entire outdoor cultivation.	1,000 pills	Untreated	H38125NE
<b>GRAZER KRAUTHÄUPEL 2</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Closed	-	With typical red rim; speciality in Austria.	1,000 pills	Untreated	H38126NE
<b>LENY</b> 🇩🇪	J   F   M   A   M   J   J   A   S   O   N   D █	Closed	-	Large, very heavy heads with bright green colour, semi-open head formation, very robust against mildew, for cultivation in the open air and greenhouse.	10 g	Organic 🌿	O38017BS
<b>MARCORD</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Closed	HR: BI 16, 21, 23, 32 EU	Reliable head formation, stable against tip burn, tender, yet crisp leaf with good taste, very reliable crop.	1,000 pills	Organic 🌿	H38127BE
<b>STYRIA*</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Closed	HR: BI 16-36EU, No.(0) IR: LMV1	Unique and untypical variety. Traditional Austrian Batavia, named after the slight anthocyanin fringe. Good diversification for retail markets.	1,000 pills	Organic 🌿	H38123BE
<b>VOLTRON</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Open	HR: BI 16-36EU, No.(0) / IR: LMV1, Fol 1	Flexible leaves and ribs make handling easier. Compact plant with a well-filled heart.	1,000 pills	Organic 🌿	H38113BE
<b>TIROLE</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Open	HR: BI:16-37EU/No.:0/ Fol:1 - IR: LMV:1	Gentile type with good tip burn and bolting tolerance for year-round cultivation.	1,000 pills	Untreated	H38130NE
<b>TIROLION (81-95 RZ)</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Closed	HR: BI:16-37EU/No.:0/ Pb IR: LMV: 1	Medium-sized, early-heading Batavia for year-round outdoor cultivation, flat structure, balanced head-to-leaf ratio, bolt-proof even in the summer.	1,000 pills	Organic 🌿	H38128BE
<b>Red Batavia lettuce</b>							
<b>CANASTA</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Closed	HR: 17 EU; IR: LMV 1	Soft, red Batavia for the weekly market.	1,000 pills	Untreated	H38502NE
<b>MINERAL*</b>	J   F   M   A   M   J   J   A   S   O   N   D █	Open	HR: BI: 16-37 EU, No. 0; IR: LMV 1	Red, semi-open, outdoor Redial-type lettuce; closed bottom, small cutting area, long harvest window; intense red colouring, resistant to bolting and tip burn.	1,000 pills	Organic 🌿	H38118BE



KIRINIA



KISHERI



CERBIATTA



RENAI



SUYAI



HUSSARDE



CASENAS



DIAMANTINAS



ICE MUSIC



ICE POP



ICE RING



ICE PARTY

## Oakleaf lettuce

Varieties	Production calendar	Colour	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green oakleaf lettuce</b>							
<b>FREELOU</b>	J   F   M   A   M   J   J   A   S   O   N   D	Green	-	Beautiful oakleaf lettuce, produces good, stable seedlings. For amateur cultivation.	1,000 pills	Untreated	H39026NE
<b>KIRINIA</b>	J   F   M   A   M   J   J   A   S   O   N   D	Green	HR: BI: 16-37EU/No.:O IR: LMV:1	Compact, balanced plant. Very suitable for summer conditions and heat. Reliable harvest in the summer.	1,000 pills	Organic	H39146BE
<b>KISHERI</b>	J   F   M   A   M   J   J   A   S   O   N   D	Fresh green	HR: BI: 16-37EU/No.:O IR: LMV:1	Bright green type. Plant similar to Kiribati. For spring and autumn harvests.	1,000 pills	Organic	H39205BE
<b>Red oakleaf lettuce</b>							
<b>RENAI</b>	J   F   M   A   M   J   J   A   S   O   N   D	Red	HR: BI: 16-37EU/No.:O IR: LMV:1	Strong, spherical head, stable leaf, relatively high weight, good partner for the green varieties; resistant to bolting, good summer suitability.	1,000 pills	Organic	H39042BE
<b>SUYAI</b>	J   F   M   A   M   J   J   A   S   O   N   D	Medium red	HR: BI: 16-37EU/No.:O IR: LMV:1	Vigorous, robust, balanced, stable shape, strong bottom, good field durability. Resistant to bolting and tip burn.	1,000 pills	Organic	H39254BE
<b>VELADERO</b>	J   F   M   A   M   J   J   A   S   O   N   D	Red	HR: 16-33 EU, No. O; IR: LMV 1	Can be grown universally in the amateur sector, resulting in very beautiful and compact seedlings.	1,000 pills	Untreated	H39255NE

## Oakleaf lettuce type from Nice

Varieties	Production calendar	Colour	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>CERBIATTA</b>	J   F   M   A   M   J   J   A   S   O   N   D	Blond	-	Oakleaf type, serrated leaves similar to Moroccan cress, pointed leaf and unique taste of lettuce and lamb's lettuce; very original product.	1,000 pills	Organic	O39040BE
<b>HUSSARDE</b>	J   F   M   A   M   J   J   A   S   O   N   D	Red	IR: LMV 1	Bolt-resistant. Long, lancet-shaped, reddish dark green leaves.	1,000 pills	Untreated	O39025NE

## Iceberg lettuce

Varieties	Production calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>CASSENAS</b>	J   F   M   A   M   J   J   A   S   O   N   D	HR: BI: 16-37 EU, NR O	Vigorous growth, round head shape, easy harvesting and packaging; long field durability, for fresh food market and processing; resistant to bolting, tip burn and brown veins.	1,000 pills	Untreated	H38651NE
<b>DIAMANTINAS</b>	J   F   M   A   M   J   J   A   S   O   N   D	HR: BI: 16-37EU, No.(O)	Bolt-proof and resistant to tip burn.	1,000 pills	Organic	H38622BE
<b>ICE CIRCLE</b>	J   F   M   A   M   J   J   A   S   O   N   D	HR: BI:16-37EU/No.:O/ Fol:4/TBSV	Fast-growing iceberg lettuce with best possible Bremia resistance for 9/10 grading.	1,000 pills	Untreated	H38646NE
<b>ICE MUSIC</b>	J   F   M   A   M   J   J   A   S   O   N   D	HR: BI: 16 - 37EU / No.: O / TBSV	Summer iceberg lettuce with reliable head formation, even in great heat.	1,000 pills	Untreated	H38653NE
<b>ICE POP</b>	J   F   M   A   M   J   J   A   S   O   N   D	HR: BI: 16 - 37EU / No.: O / TBSV	Very reliable for summer cultivation, resistant to tip burn, for grade 10, fresh food market and industry.	1,000 pills	Untreated	H38654NE
<b>ICE RING</b>	J   F   M   A   M   J   J   A   S   O   N   D	HR: BI: 16, 18 - 37EU / No.: O / Fol: 4 / TBSV	Fast-growing iceberg lettuce for the first and last weeks of planting; 8/9 packs.	1,000 pills	Untreated	H38655NE
<b>ICE PARTY</b>	J   F   M   A   M   J   J   A   S   O   N   D	HR: BI:16-37EU/No.:O/ TBSV	Largish but slow-filling variety, already has enough weight early on, for the 8/9 grading.	1,000 pills	Untreated	H38647NE
<b>SKINDEL</b>	J   F   M   A   M   J   J   A   S   O   N   D	HR: BI:16-37EU/No.:O	Large iceberg lettuce with late filling, longer harvest window, resistant to sunburn and bolting, for fresh food market and industry.	1,000 pills	Untreated	H38642NE

Planting

LIMASSOL



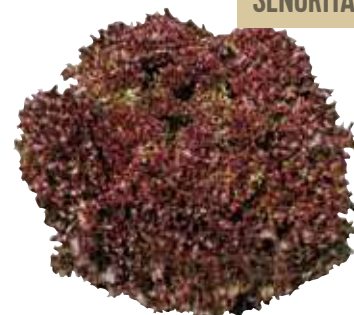
LISBON



TRAJECT



SEÑORITA



## Lollo lettuce

Varieties	Production calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Lollo bionda</b>						
LIMASSOL	J F M A M J J A S O N D —	HR: Bl:16-37EU/ No.:O IR: LMV:l	Spherical shape, good filling, resistant to bolting and tip burn; for year-round cultivation.	1,000 pills	Organic	H38145BE
LISBON	J F M A M J J A S O N D —	HR: Bl:16-37EU/ No.:O/Pb IR: LMV:l/Me	Year-round, medium-sized, round, balanced head shape. Healthy bottom, long field durability, resistant to bolting and tip burn.	1,000 pills	Organic	H38148BE
<b>Lollo rosso</b>						
TRAJECT	J F M A M J J A S O N D —	HR: Bl:16-37EU/ No.:O	Slightly upright, closed bottom, easy harvesting, resistant to bolting; successor to Antonet.	1,000 pills	Organic	H38154BE
SEÑORITA	J F M A M J J A S O N D —	HR: Bl:16-26.28EU	Densely filled, heavy lettuce, very vigorous, year-round open head formation, medium-coarse leaf curl; the strong root system improves resistance and growing reliability.	1,000 pills	Organic	O38393BE

AFERDITA



ANALOTTA



DICATA



MAFALDA



SPEEDWAY



TOMBELO



Planting

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The guide for organic vegetable growers

**VOLTZ**  
MARAICHAGE



SAPPIAN



VITRINE



JERRICAN

## Butter lettuce

Varieties	Production calendar	Leaf colour	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green lettuce</b>							
AFERDITA	J F M A M J J A S O N D	Fresh green	HR: Bl:16-37EU/No.:O - IR: LMV:1	Medium to large butter lettuce with a very nice structure, quick head closure and long field durability, also suitable for processing.	1,000 pills	Organic	H38131BE
ANALENA	J F M A M J J A S O N D	Green	HR: Bl 16-25, 27, 35, 37 EU NR O Pb LMV:1	Large 6-12 lettuce for spring and autumn growing; the head is relatively loose filled, which makes the variety very suitable for processing, very good field durability.	1,000 pills	Organic	H35109BE
ANALOTTA	J F M A M J J A S O N D	Medium green	HR: Bl 16-36EU No.(O) / IR: LMV 1	Large lettuce with medium-fast head closure for growing from late March to early autumn. Analotta is characterised by good field durability and high bolting tolerance in the summer crop.	1,000 pills	Organic	H35030BE
AURELIAN	J F M A M J J A S O N D	Medium green	HR: Bl: 16-35 EU, no.: O, IR LMV 1	Medium-sized butter lettuce for spring and autumn production; the closed and flat bottom ensures easy harvesting; thin and elastic ribs - no breakage and fast packaging.	1,000 pills	Untreated	H38132NE
DICATA	J F M A M J J A S O N D	Green	HR: Bl: 16-36EU/No.:O/Pb IR: LMV:1	Medium-sized with a shiny colour and a very nice structure. High field durability despite fast head closure, bolt-proof and very tolerant against tip burn.	1,000 pills	Organic	H38133BE
MAFALDA	J F M A M J J A S O N D	Green	HR: Bl:16-37EU/No.:O IR: LMV:1	Large, medium-blond lettuce with a wide, round, voluminous head that closes early and slowly fills, creating a long harvest period, bolt-proof and resistant to tip burn.	1,000 pills	Untreated	H35108NE
ORELIAN	J F M A M J J A S O N D	Light green	HR: Bl: 16 - 35 37EU / no.: O IR LMV 1	Reliable medium-sized butter lettuce for summer harvest; very attractive lettuce with reliable head filling.	1,000 pills	Untreated	H38136NE
RADIAN	J F M A M J J A S O N D	Green	Bl: 16 - 37EU / No.: O / TBSV IR: LMV: 1	Attractive seedling for amateur cultivation. Head formation: medium-sized.	1,000 pills	Untreated	H38137NE
SPEEDWAY	J F M A M J J A S O N D	Blond	HR: Bl 16-30, 32, 33 EU, HR: No. O; IR: LMV 1	Standard variety for early crop, open-air with fleece cover, heading a little earlier and strong resistance to side shoots, clean, closed bottom, only for the first plantings.	1,000 pills	Organic	H38139BE
TOMBELO	J F M A M J J A S O N D	Medium green	HR: Bl:16-37EU/No.:O/Pb IR: LMV:1	Very large open-air/all-year lettuce, flat, closed bottom, good crate filler; slow filling, long harvest window.	1,000 pills	Organic	H38140BE
SAPPIAN	J F M A M J J A S O N D	Medium green	HR: Bl:16-37EU/No.:O/TBSV - IR: LMV:1	New, medium-sized to large butter lettuce with full resistance to mildew for growing from spring to autumn.	1,000 pills	Untreated	H38138NE
TOUAREG	J F M A M J J A S O N D	Light green	HR: Bl 16-26, 28, 32 EU, no. O; IR: LMV 1	Reliable year-round variety for the amateur market, attractive seedling. Head formation: medium-sized.	1,000 pills	Untreated	H35107NE
VITRINE	J F M A M J J A S O N D	Green	HR: Bl 16-36 EU, no.: O, Pb/ IR: LMV 1/Fol:1	Medium-fast head closure and filling, not such a hard-filling head, for processing and the fresh food market.	1,000 pills	Organic	H38142BE
<b>Red butter lettuce</b>							
JERRICAN	J F M A M J J A S O N D	Dark red	HR: :16-37EU/ no.:O - IR: LMV 1	Intense red, medium-sized head, year-round cultivation. - early head formation, good filling - flat, closed bottom, easy to harvest - resistant to bolting.	1,000 pills	Organic	H35025BE



FANUGO



FORELENSCHLUSS



VICTORINUS



XALBADORA



XAMENA

## Romaine lettuce

Varieties	Production calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>BELENDRA</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: BI: 16 - 35, 37EU	Red mini-Romana for the whole outdoor season; resistant to tip burn, high bolting tolerance, beautiful yellow filling - good demarcation between red and yellow/green.	1,000 pills	Untreated	H35586NE
<b>FANUGO</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR:BI: 16-36 EU HR: NR O, LMV 1	Very resistant to tip burn, beautiful yellow filling, long harvest window, ideal for 2 and 3 packs.	1,000 pills	Untreated	H35590NE
<b>FLAMINGO</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: BI:16-37EU/ No.:O	Very resistant to tip burn, suitable from late spring to autumn, also for production under netting.	1,000 pills	Untreated	H35591NE
<b>FORELENSCHLUSS</b>	J   F   M   A   M   J   J   A   S   O   N   D —	-	Green lettuce with brown-red speckling, complement for direct marketing and gastronomy, product extension for plant sales to amateur gardeners.	1,000 pills	Organic	O35592BE
<b>INSTAGRAL</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: BI:16-37EU/ Fol:1 - IR: LMV:1	Large, blond Romana (33 cm); due to its very high yield potential, also ideal for processing, exceptionally unbreakable thanks to SolidRib™.	1,000 pills	Untreated	H35593NE
<b>KILNSEY</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: BI 16-36EU/ No.:O/Fol:1	Medium-sized to large dark green Romana with beautiful inner leaf filling, suitable for the whole season with highly reliable crop.	1,000 pills	Organic	H35588BE
<b>VICTORINUS</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: BI 16-34,36EU/ No.:O IR: LMVI/Ss (Rs)	Year-round variety, vigorous upright growth, slightly earlier closure of the head, closed bottom, resistant to tip burn and bolting.	1,000 pills	Untreated	H35505NE
<b>XALBADORA</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: BI 16-36EU No.(O),TBSV, IR: LMV:1	Xanadu type. Beautiful yellow, early filling heart. Good tolerance against tip burn.	1,000 pills	Untreated	H35568NE
<b>XAMENA</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: BL 16-36 EU, NR O, TBSV IR: LMV: 1	Shorter type with well-filled yellow heart, good, medium-late head closure and flat leaf ribs, upright growth, good and productive to harvest and pack, wide harvest window and good tip burn and bolting tolerance, ideal for high-density planting and very suitable for cultivation under bird protection nets.	1,000 pills	Organic	H35596BE

Planting

The above information is provided for informational purposes only and is not a guarantee



BARLACH



CARAVEL



HAWKING



TRALEX

Lettuce Salanova

Varieties	Production calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
BARLACH	J F M A M J J A S O N D █	HR: BL:16-37EU/ No.:O	Beautiful rosette-like structure, attractive and intense colouring, bolt-resistant and resistant to the formation of double heads; type: red lettuce.	1,000 pills	Untreated	H39246NE
CARAVEL	J F M A M J J A S O N D █	HR: BL: 16-32, 34, 36 EU, No.O, IR LMV 1	Similar to Novita, for open field, greenhouse and hydroponics. Compact, robust single leaf, single head, flow pack, Salatrio, long shelf life. Resistant to bolting, dry burn and tip burn.	1,000 pills	Untreated	H39285NE
HAWKING	J F M A M J J A S O N D █	HR: BL: 16 - 37 EU, NR O	Cultivation suitability: open field, greenhouse and hydroponics; closed, healthy bottom, flexible leaf, resistant to bolting and double heading; type: green lettuce.	1,000 pills	Untreated	H39240NE
TRALEX	J F M A M J J A S O N D █	HR: BL: 16-37 EU, NR O	Spherical head, resistant to bolting, deeply notched crisp leaf. Use as single head, open bag or twin pack.	1,000 pills	Untreated	H39281NE

# Asparagus lettuce

*Lactuca sativa var. angustana*

**Sowing:**  
March to June

**Seed requirements:**  
2 g for 1,000 plants  
800-1,000 seeds/g

**Seedling cultivation:**  
3-8 weeks

**Pre-cultivation:**  
4-7 days  
Temperatures above 23°C may inhibit germination.



**Planting density:**  
10-16 plants/m<sup>2</sup> open field,  
Distances: 25/35 x 20/30 cm



Variety	Seed sowing calendar	Characteristics	Min Qty	Product type	Item no.
ASPARAGUS LETTUCE	J F M A M J J A S O N D █	Lettuce very present in Asian cuisine. The stalk is used without leaves when it reaches 20-30 cm. Can be used raw or cooked. Harvest from summer until autumn.	10 g	Organic	058233BS

# Baby leaf

OAKING



VIDA



NEW



## MÉLANGE TOUTES SAISONS (ALL-SEASON BLEND)

Unique and versatile

### Lettuce *Lactuca sativa*

Varieties	Type	Resistances	Sowing	Characteristics	Min Qty	Product type	Item no.
VIDA	Red Romana	HR: Bl:16-37EU/No.:0	Year-round	Red Romana with thick leaf and smooth rim. Nice colour. For outdoors and under glass.	10,000 seeds	Organic	H35572BG
OAKING	Green oakleaf lettuce	HR: :16-37EU/no.:0 - IR: LMV 1	Year-round	Thick, very cut-out leaves. Voluminous and bright colour.	10,000 seeds	Untreated	H39152NG
MÉLANGE TOUTES SAISONS (ALL-SEASON BLEND)	Blend	—	Year-round	Blend of 6 varieties of our baby leaf range, consisting of 60% red leaves and 40% green leaves.	10,000 seeds	Organic	034140BG



FLASH



NEW

CULTIVEE



VITESSE

### Rocket

Varieties	Characteristics	Min Qty	Product type	Item no.
<b>Rocket <i>Eruca sativa</i></b>				
FLASH	Year-round rocket with serrated leaves, especially suitable for growing under short-day conditions. 2 weeks earlier than wild rocket. Good tolerance against mildew.	10 g	Untreated	054606NS
CULTIVEE	Thick, elongated leaves. More or less spicy taste. Tall plant.	10 g	Organic	054600BS
VITESSE	Heavily serrated rocket, strong rocket taste, grows very quickly and can be harvested after 25 to 30 days, slowly sprouting variety even under stress conditions, especially suitable for the production of organic rocket in high-density planting.	10,000 seeds	Untreated	H54632NG





HERACLES



ATHENA (TZ 1441)



NEW

IRIS 

Very good for bouquets, very high-yield, best post-harvest behaviour, year-round.



BOLOGNA



MONTANA



SATURN



VOYAGER



WASABI

Varieties



Characteristics

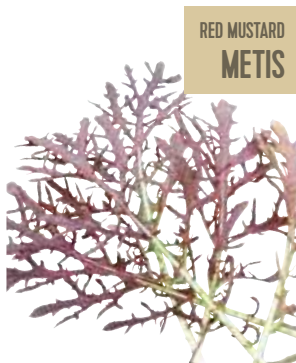
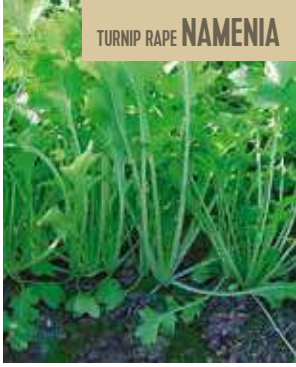
Min Qty

Product type

Item no.

**Wild rocket** *Diplomatix tenuifolia*

HERACLES	New generation of mildew-resistant rocket, stable variety, upright-growing leaf structure, finely pinnate leaf.	10,000 seeds	Untreated	H54637NG
 IRIS 	Strong and vigorous plant for year-round outdoor cultivation. Very high yield. Dark green leaves. Mildew tolerance.	10 g	Untreated	054631NS
ATHENA (TZ 1441)	Two days later than Saturn, good bolting tolerance; finely pinnate leaf and mildew tolerance.	10,000 seeds	Untreated	H54635NG
BOLOGNA	Fast growing, dark green wild rocket, fine serration with pleasant flavour.	10 g	Untreated	H54636NS
MONTANA	Robust, dark green variety with finely chiselled leaves and an intense flavour.	1,000 pills	Untreated	054620NME
SATURN (TZ 1138)	Mildew-tolerant new variety, very quickly brings high yields, pinnate leaves; another strength of this variety are the small yellow cotyledons during harvest.	10,000 seeds	Untreated	H54638NG
VOYAGER	Vigorous and uniform growth, thick, dark green, upright, deeply serrated leaves; the taste is mild and nutty, the upright leaves make the variety particularly suitable for row sowing and planting.	10,000 seeds	Untreated	H54620NG
WASABI	Spicy taste, very high essential oil content; ideal for seasoning Asian dishes; mainly young leaves used, since the older ones taste very intense (almost hot).	10 g	Untreated	H54618NS



## Asian greens

Species	Varieties	Characteristics	Sowing	Min Qty	Product type	Item no.
<b>TURNIP RAPE</b> <i>Brassica rapa subsp. campestris</i>	<b>NAMENIA</b>	A fast and very high-yield and tasty leaf stalk vegetable for use as a cooking vegetable or in a salad. Suitable for cold house or outdoor cultivation. For spring and autumn.	February to July	50 g	Organic	043040BS
<b>MITSUBA</b> <i>Cryptotaenia japonica Hassk.</i>	<b>FLACH</b>	Spice plant from Japan with hand-shaped and serrated leaves. Taste between parsley and celery. For seasoning soups, sushi, European dishes etc. Perennial plant.	Spring	10 g	Organic	039515BS
	<b>ALIBI</b>	Mizuna with small, dark green, thin and finely cut-out leaves. Compact and upright plant, 20 cm in size. Very early. Fast growth. High yield.	Year-round	10 g	Organic	039555BS
<b>MIZUNA</b> <i>Brassica rapa V. japonica</i>	<b>MASERATI F1</b>	Beautiful, wine-red Mizuna. Slightly serrated leaves. Fast growth.	Spring, summer, autumn	10 g	Untreated	039553NS
	<b>RED FEATHER</b>	Finely pinnate Mizuna variety, narrow leaf, very intense red colour.	Year-round	10 g	Untreated	H39575NS
<b>PAK CHOI</b> <i>Brassica rapa V. chinensis</i>	<b>GREEN PARROT F1</b>	Dark green Shanghai Pak Choi with high bolting tolerance. Upright and compact variety with good field durability.	Year-round	2,500 seeds	Untreated	HI9036NG
	<b>HANAKAN</b>	Strong, fleshy green stems, very popular for the wok.	Year-round	100 g	Untreated	HI9035NS
	<b>TAISAI</b>	Green leaves with white ribs. Discreet taste of cabbage and chard. The ribs are slightly sweet.	Year-round	10 g	Organic	019015BS
	<b>SANGRIA</b>	The leaves are claret on the top of the leaf and red-veined on the bottom. The leaf stem is intensely green and very tasty. Brings colour to any baby leaf mixture.	Year-round	10 g	Untreated	039538NS
	<b>YANG QING CHOI F1</b>	An improved green-stalked variety, small stature with excellent field durability; the plant grows upright and compact, excellent resistance to bolting in the early crop; this variety can be planted throughout the growing season in a temperate climate; very suitable for organic cultivation.	Spring, winter	2,500 seeds	Untreated	H39513NG
<b>MUSTARD, GREEN</b> <i>Brassica juncea</i>	<b>FRIZZY JOE</b>	Light green coloured leaf mustard with pleasantly mild mustard flavour. The very attractive-looking, heavily sinuate and pinnate leaf adds a lot of volume to mixed salads.	Year-round	10 g	Untreated	039559NS
	<b>NEW GRIFFY</b>	Pointed, finely serrated leaves. Can be harvested as a leaf or a rosette. Ideal as an autumn crop or in the winter under protection.	Year-round	10 g	Organic	039516BS
	<b>LUSSAN</b>	Pinnate, thin leaves. Nice texture and very good taste, very nice in mixtures.	Year-round	10 g	Organic	039535BS
<b>MUSTARD, RED</b> <i>Brassica juncea</i>	<b>FRIZZY LIZZY</b>	Heavy-fringed, red-leaf variety. With the three-dimensional growth, mixed salads are given a full volume. Attractive variety.	Year-round	10 g	Untreated	039558NS
	<b>RED GIANT</b>	Large, crimson leaves. Very bolt-resistant.	Year-round	10 g	Organic	039501BS
	<b>MUSERED</b>	Pinnate leaves, intensely red, rapid development; for year-round cultivation. Good flavour. Beautiful appearance in mixtures. Very high yield.	Year-round	10 g	Organic	039524BS
	<b>MUSRED</b>	Excellently brilliant red colour, bright red even under warm growing conditions. Salad leaves with a characteristic mustard flavour. For harvesting from spring to autumn. Ready to cut after 4-5 weeks, depending on the season.	Year-round	10 g	Untreated	039577NS
<b>TATSOI</b> <i>Brassica rapa V. marinosa</i>	<b>VOLCANO</b>	Beautiful, uniform and bright colour. Thick leaves enable a high yield. Rapid development shortens the growing time.	Year-round	10 g	Untreated	039565NS
	<b>SILVERSTONE F1</b>	Suitable for the whole year. Upright growth. High yield.	winter	10 g	Untreated	039540NS
	<b>TEMPO</b>	Thick, dark green leaves, very suitable for mixtures.	Summer	10 g	Organic	039511BS
<b>WASABINO</b> <i>Brassica rapa var. japonica</i>	-	Tender, young leaves with finely notched, slightly wavy leaves; spicy, slightly hot flavour reminiscent of horseradish; best suited for wok dishes; cold-resistant and ideal for growing in the cool months of spring and autumn in cold houses; baby leaf harvest after 3 weeks, full development after 45 days.	Year-round	10 g	Organic	058147BS
<b>MÉLANGE ASIATIQUE (ASIAN BLEND)</b>	<b>DRAGON MIX</b>	This mixture consists of red mustard, other different leaf mustards with pinnate leaves, green mizuna, rocket and cress.	Spring, summer, autumn	50 g	Organic	039567BS



PLANTAIN



KALE DWARF GREEN CURLED SCOTCH

RED BEET BULL'S BLOOD



CHARD RHUBARB CHARD RUBIS



CHARD RED CHARD GALAXY F1



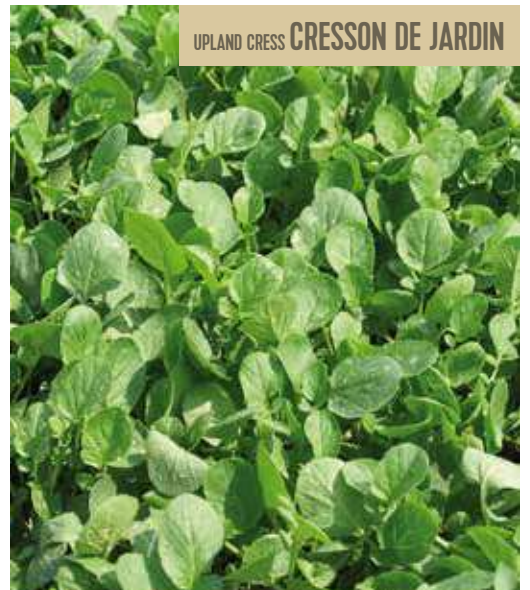
RED AMARANTH AZTEC



RED ORACHE MAGNUM



UPLAND CRESS CRESSON DE JARDIN





## Miscellaneous

Species	Varieties	Characteristics	Sowing	Min Qty	Product type	Item no.
<b>PLANTAIN</b> <i>Plantago lanceolata</i>	-	20–30 cm high, forms a dense leaf rosette with deeply notched, narrow leaves; can be cut several times, even over the winter; recommended for mixed salads.	Year-round	10 g	Organic	02550IBS
<b>KALE</b> <i>Brassica oleracea</i>	<b>DWARF GREEN CURLED SCOTCH</b>	A variety that is particularly suitable for baby leaf production. Curly leaf edges, slightly cut-out leaves.	Year-round	10 g	Untreated	039554NS
<b>CHARD</b> <i>Beta vulgaris</i>	<b>RHUBARB CHARD RUBIS</b>	Broad leaves. Well-coloured stem.	Year-round	50 g	Organic	051003BS
	<b>RED CHARD GALAXY F1</b>	Benefits due to the vitality of the hybrids and their uniformity, cold tolerance, very high yield in cool seasons, oval leaves with green colour which also remain healthy in autumn/winter cultivation.	Year-round	10,000 seeds	Untreated	051027NG
<b>RED AMARANTH</b> <i>Amaranthus tricolor</i>	<b>AZTEC</b>	Extension of the baby leaf range; intensely cherry-red colour, makes an ideal garnish, mild and delicate flavour.	Year-round	100 g	Untreated	038011NS
<b>RED BEET</b> <i>Beta vulgaris L. conditiva Alef.</i>	<b>BULL'S BLOOD</b>	Bright, claret leaves add colour to any mixture; for autumn, winter and spring harvests.	Year-round	50 g	Organic	00320IBS
<b>RED ORACHE</b> <i>Atriplex hortensis</i>	<b>MAGNUM</b>	Its velvet red colour adds variety to any mixture. A new flavour, tasting slightly of iodine.	Spring, summer, autumn	10 g	Organic	039520BS

## Upland cress

Variety	Characteristics	Min Qty	Product type	Item no.
<b>CRESSON DE JARDIN</b>	Hardy variety of cress. Tastes similar to watercress, but stronger and more spicy.	10 g	Organic	029020BS

# Bredes mafane

*Spilanthes oleracea l.*

**Sowing:** April - June  
**Seed requirements:** 4,000 - 5,000 seeds/g  
**Germination:** 4 - 7 days up to 18°C.  
**Planting density:** 10 - 20 plants/m<sup>2</sup>



Variety	Characteristics	Min Qty	Product type	Item no.
BREDES MAFANA	Traditional cress from Madagascar and Réunion, a very characteristic taste.	10 g	Organic	029007BS

# Cress (water cress)

*Nasturtium officinalis*

**Sowing:**  
 August to February in pots  
 May to July for direct sowing

**Seed requirements:**  
 2 to 3 kg/ha for direct sowing,  
 500 g/ha for planting  
 4,000 seeds/g

**Planting density:**  
 15 x 15 cm i.e. 450,000 plants/ha  
 Running water is not absolutely  
 necessary, but the soil must always  
 remain moist.



Variety	Characteristics	Min Qty	Product type	Item no.
CRESSON DE FONTAINE	Variety with large leaves. Also called <i>Nasturtium officinalis</i> .	10 g	Organic	029005BS

# Wrinkled crinkled cress

*Lepidium sativum*

**Sowing:** Year-round

**Seed requirements:**  
 60 to 80 g/m<sup>2</sup>  
 500 seeds/g

**Germination:**  
 2 to 3 days at 15-20°C

**Growing temperatures:**  
 Daytime: 12°C Night: 10°C  
 Ventilate if temperatures are  
 above 20°C. Under 12°C, the seed  
 coats stick to the seeds.



Variety	Characteristics	Min Qty	Product type	Item no.
ALENOIS WRINKLED CRINKLED CRESS	Cultivation can take place on different materials and soil, whereby the traditionally used perlite substrate as well as cellulose flakes and foamed plastics are increasingly being replaced by fleece cultivation mats made of flax and hemp fibres; advantages: lower fertiliser requirement, rapid germination; rapid growth; use: cold spreads, salads, vegetable soups, egg dishes, bread & butter or bread & dripping; contains vitamin C, iron, calcium, folic acid, Vitamin B.	100 g	Organic	029003BS

# Corn salad

*Valerianella locusta L.*

**Sowing:**  
Year-round

**Seed requirements:**  
12 to 15 kg/ha for large-grained varieties  
6.5 to 8.5 kg/ha for small-grained varieties  
or 5 to 6 million seeds/ha

2 g for 1,000 plants  
Large-grained varieties: 500-600 seeds/g  
Small-grained varieties: 700-1,000 seeds/g

**Pre-cultivation:**  
3 to 8 weeks

**Germination:**  
7-20 days



**Planting density:**  
500 to 1,000 plants per m<sup>2</sup>

Take caution with nitrogen residues



**FROST**

Flexibility and cycle speed



**PAUDIUM**

Heat-resistance and durability



**MATCH**



**VIT**

Varieties	Production calendar	Shape	Characteristics	Min Qty	Product type	Item no.
<b>FROST</b>	J F M A M J J A S O N D		Rapid growth in cold or low light conditions. Very dark green leaf, flexible to handle. Low tendency to yellow cotyledons.	50,000 precision	Organic	041049BK
<b>MATCH</b>	J F M A M J J A S O N D		Variety to be used for all types of cultivation. Very good field durability. Compact, dense structure produces high yields.	50 g 50,000 precision	Organic	041039BS 041039BK
<b>PAUDIUM</b>	J F M A M J J A S O N D		Good heat resistance, universal use, dark green leaf, March - September. High yield potential, upright growth, low tendency to spoon.	100,000 precision	Untreated	041048NK
<b>VIT</b>	J F M A M J J A S O N D		Tried and tested variety, very good for autumn and winter use.	50 g 50,000 precision	Organic	041007BS 041007BK

# Dandelion

*Taraxacum officinale*

**Sowing:**  
May to July

**Seed requirements:**  
0.6 to 1.5 kg/ha  
900-1,700 seeds/g

**Planting density:**  
10-15 x 30-35 cm  
i.e. 150,000 to 330,000 roots/ha



Variety	Characteristics	Min Qty	Product type	Item no.
<b>A COEUR PLEIN AMELIORE</b> <sup>(1)</sup>	Dense rosettes. Medium-coarse, serrated leaves, medium green colour.	50 g	Untreated	04800INS

# Endive

*Cichorium endivia L.*

## Sowing:

From March onwards in a heated glass house.

## Seed requirements:

4 g for 1,000 plants  
1-1.5 kg/ha for direct sowing, thin out at the 3-5 leaf stage.  
500-600 seeds/g

## Pre-cultivation:

Max. 2 to 3 weeks at 25°C.

## Germination:

10-20 days



## Planting density:

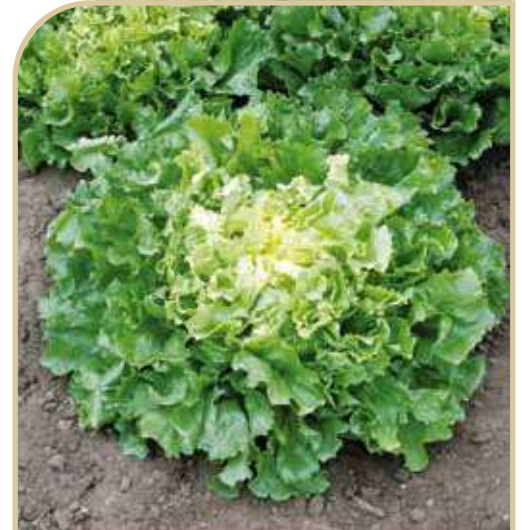
5 to 10 plants/m<sup>2</sup>  
30 x 30 to 60 cm



JOLIE



LASSIE



NUANCE

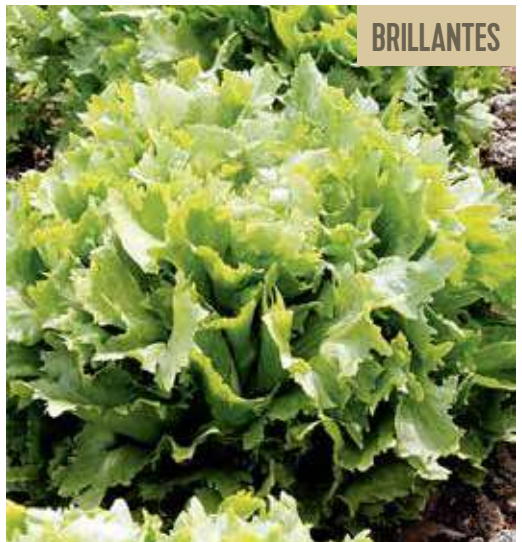
Fast growth and winter hardiness



ELIANCE



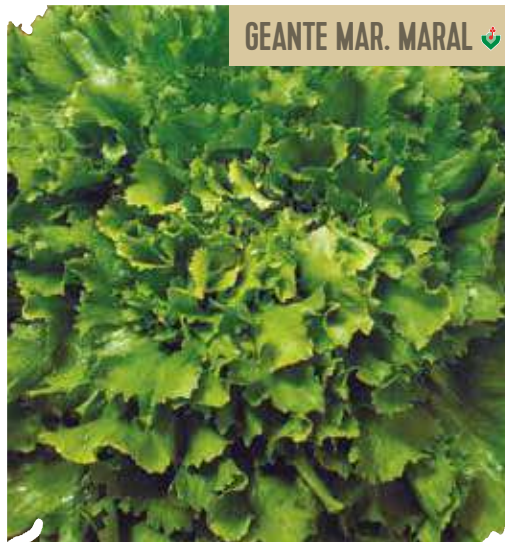
EROS



BRILLANTES



ANCONI



GEANTE MAR. MARAL 🇫🇷



GROSS BOUCLE 2 STRATEGO





**Curly leaf**

Varieties	Production calendar	Characteristics	Min Qty	Product type	Item no.
<b>JOLIE</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   A   S   O   N   D	Medium green, for fresh food market and industry, slightly faster curl for early and autumn cultivation, with high yield potential.	1,000 pills	Untreated	H09005NE
<b>LASSIE</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   <u>A</u>   S   O   N   D	Light green, for fresh food market and industry, very fast development, bolt-tolerant, robust against wreath rot, finely serrated variety for the whole growing season.	1,000 pills	Untreated	H09010NE

**Smooth-leaf**

Varieties	Production calendar	Characteristics	Min Qty	Product type	Item no.
<b>BRILLANTES</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   A   S   O   N   D	Dark green, for fresh food market and industry, very healthy and high-yield variety, very nice seedling, high proportion of high leaves in March.	1,000 pills	Untreated	H10012NE
<b>ELIANE</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   <u>A</u>   S   O   N   D	Dark green, semi-upright growing endive for early growing, very high resistance to cold shoots in the spring, with at the same time rapid development and excellent yellow content of the filling.	1,000 pills	Organic	H10010BE
<b>EROS</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   <u>A</u>   S   O   N   D	Medium green, for fresh food market and industry, standard variety in organic farming, flat-leaved and fast upright growth, high yellow content.	1,000 pills	Organic	H10015BE
<b>GROSS BOUCLE 2 STRATEGO</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   <u>A</u>   S   O   N   D	Smooth endive, spring, summer and autumn cultivation, flat growth, good filling, fresh food market, resistant to shoots and whorls.	1,000 pills	Organic	H10016BE
<b>ANCONI</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   <u>A</u>   S   O   N   D	Smooth endive, summer/autumn cultivation, very upright growth, healthy bottom; high weight, good filling; for processing and fresh food market; very resistant to shoots and tip burn.	1,000 pills	Organic	H10011BE
<b>GEANTE MAR. MARAL</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   <u>A</u>   S   O   N   D	For autumn/winter cultivation, head is voluminous and even, with wide, fleshy leaves that protect the heart from harsh temperatures.	1,000 pills	Organic	O10030BE
<b>NUANCE</b>	J   F   <u>M</u>   <u>A</u>   <u>M</u>   J   <u>J</u>   <u>A</u>   S   O   N   D Open field Greenhouse	Very robust variety. Fast growth. Good durability in the field. Well-filled and dense heart.	1,000 pills	Organic	H10028BE

# Smooth leaf endive

(Radicchio) *Cichorium intybus L.*

**Sowing:** Starting in March, seedlings are grown in a warm greenhouse. From mid-April to end of August, direct sowing.

**Seed requirements:** 1.2-1.5 kg/ha for direct sowing 550-700 seeds/g

**Pre-cultivation:** 5-14 days



**Planting density:** 90,000 to 120,000 plants/ha  
Spacing 25 to 30 cm between rows  
Thin out to 25-35 cm in a row



DI LUSIA ADIGE MEDIO



LEONARDO



T&amp;T 1102 F1



VASARI

Varieties	Production calendar	Head / colour	Plant cycle	Characteristics	Min Qty	Product type	Item no.
LEONARDO	J F M A M J J A S O N D	Intense	80 days	Very large for autumn cultivation, variety with long development time, short-term storage possible.	1,000 pills	Organic	H13008BE
T&T 1102 F1	J F M A M J J A S O N D	Intense	100-120 days	Ideal for amateur cultivation, as not all heads are ready at the same time.	1,000 pills	Untreated	O12043NE
DI LUSIA ADIGE MEDIO	J F M A M J J A S O N D	Cream	120 days	Attractive, white/light green heads with red speckles. Very good taste with crunchy, sweet leaves, cold tolerant.	1,000 pills	Organic	O13025BE
VASARI	J F M A M J J A S O N D	Red	75 days	Variety for summer cultivation; large, flat and round heads with outstanding colour and low risk of bolting in the summer.	1,000 pills	Untreated	H13006NE

# Purslane

*Portulaca oleracea sativa*

**Sowing:** From January onwards, in the glasshouse until August

**Seed requirements:** 5 kg per ha  
25-50 kg per ha  
As baby leaf

**Planting density:** 12 to 15 cm  
x 20 to 25 cm



YELLOW



GREEN

Varieties	Characteristics	Min Qty	Product type	Item no.
YELLOW	Can be harvested 2 months after sowing. 2 to 3 harvests possible before the first frost.	10 g	Organic	O52501BS
GREEN	Beautiful selection with dark green leaves.	10 g	Organic	O52502BS

# Winter purslane

*Claytonia perfoliata*

**Sowing:** End of March to August

**Planting density:** 10 to 15 cm x 25 to 30 cm

**Seed requirements:** 10 kg per ha



CLAYTONE CUBA

Variety	Characteristics	Min Qty	Product type	Item no.
CLAYTONE CUBA	Harvest 50 to 90 days after sowing. 3 to 5 harvests possible.	10 g Multipill 5,000	Organic	O25500BS O25500BME

Planting

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The guide for organic vegetable growers

**VOLTZ**  
MARAICHAGE

# Sugarloaf chicory

*Cichorium intybus*

## Sowing:

Starting in March, seedlings are grown in a warm greenhouse  
From mid-April to end of August, direct sowing.

## Seed requirements:

1.2-1.5 kg/ha for direct sowing  
550-700 seeds/g

## Pre-cultivation:

5-14 days



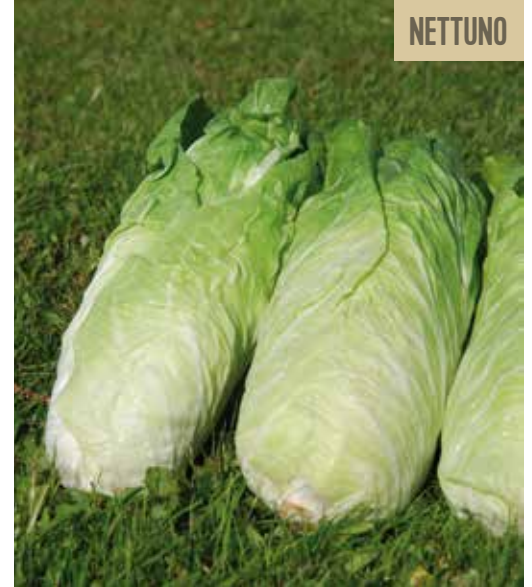
## Planting density:

90,000 to 120,000 plants/ha  
Spacing 25 to 30 cm between rows  
Thin out to 25-35 cm in a row

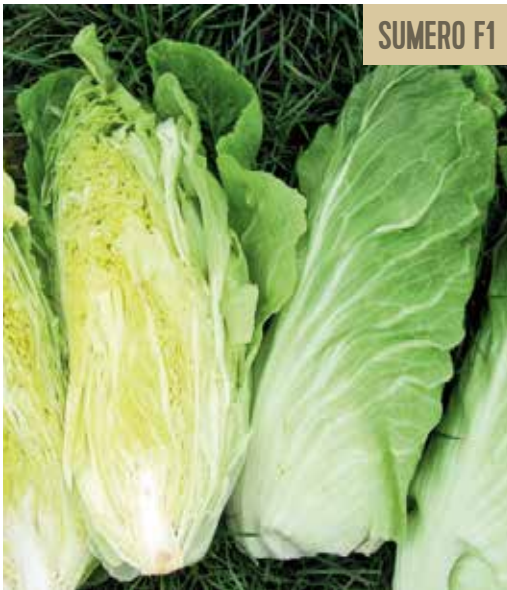
VESPERO F1



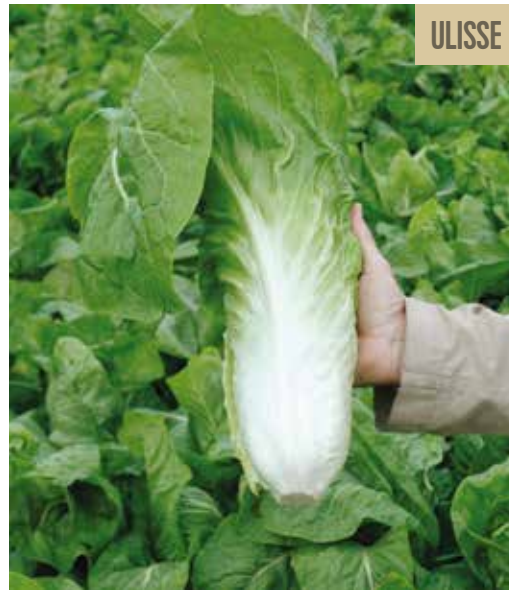
NETTUNO



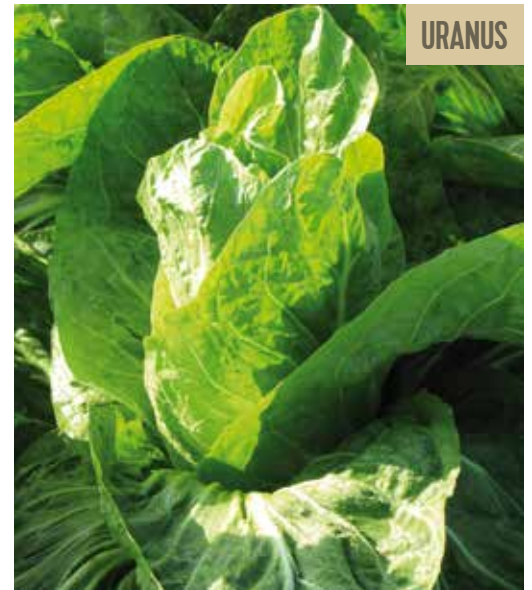
SUMERO F1



ULISSE



URANUS



Varieties	Production calendar	Length	Development time	Characteristics	Min Qty	Product type	Item no.
VESPERO F1	J   F   M   A   <b>M</b>   <b>J</b>   <b>J</b>   A   S   O   N   D	Medium length	66-75 days	Remarkable variety for its tolerance to rib bursts in the autumn. Very uniform. Storage possible until the end of January.	1,000 pills	Organic	H12036BE
NETTUNO	J   F   M   A   <b>M</b>   <b>J</b>   <b>J</b>   A   S   O   N   D	Medium length	90 days	Very vigorous, uniform plant, very good in autumn cultivation.	1,000 pills	Organic	O12037BE
SUMERO F1	J   F   M   A   <b>M</b>   <b>J</b>   <b>J</b>   A   S   O   N   D	Medium length	60-65 days	Cylindrical sugarloaf chicory with excellent leaf and rib quality; bolt-tolerant in heat, suitable for early summer to autumn cultivation; very resistant to cell bursting, also suitable for short-term storage.	1,000 pills	Organic	H12006BE
ULISSE	J   F   M   A   <b>M</b>   <b>J</b>   <b>J</b>   A   S   O   N   D	Medium length	80-85 days	Compact round head, 35-40cm high, weight up to 700 g, very crunchy; due to the good germination ability, very suitable for semi-professional sector; can be planted up to week 31.	1,000 pills	Organic	O12042BE
URANUS	J   F   M   A   M   <b>J</b>   <b>J</b>   A   S   O   N   D	Long	85 days	Professional variety for storage, main variety for autumn cultivation, tolerates cooler temperatures.	1,000 pills	Organic	H12017BE

Planting

# Spinach

*Spinacia oleracea L.*

## Sowing:

The whole year depending on the geographical location  
1,000 seeds = 10 - 15g

## Seed requirements:

8 to 10 kg, i.e. 800,000 to 1,000,000 seeds/ha for fresh food cultivation and 5 to 7 million as baby leaf  
110 seeds/g

## Germination:

7-21 days at 10-15°C



## Planting density:

10 to 15 plants per m<sup>2</sup>

Row spacing: 20-40 cm for fresh food cultivation and  
800 to 1,000 seeds/m<sup>2</sup> as baby leaf

SUNANGEL F1



MEERKAT F1



ELAND F1



GOANNA F1



CORVAIR F1



EL FUTURO F1



MELVILLE F1





Varieties	Production calendar	Resistance to mildew	Colour	Development time	Min Qty	Product type	Item no.
CORVAIR F1	J F M A M J J A S O N D [Sowing bars: Feb-Mar, Sep-Oct]	HR: Pe 1-11, 13, 15, 16	Green	Early	25,000 seeds	Organic	O30097BG
ELAND F1	J F M A M J J A S O N D [Sowing bars: Feb-Mar, Sep]	HR: Pe:1-15,17,18, IR: Pe:16,19	Dark green	Slow	25,000 precision	Untreated	H30158NK
EL MADISON F1	J F M A M J J A S O N D [Sowing bars: Apr-May]	HR: Pe:1-7,9-19	Dark green	Slow	25,000 precision	Untreated	H30157NK
EL FUTURO F1	J F M A M J J A S O N D [Sowing bars: Apr-May]	HR: Pe: 1- 9, 11-16, 18 - 19 / Sb	Medium green	Late	25,000 precision	Untreated	H30156NK
GOANNA F1	J F M A M J J A S O N D [Sowing bars: Apr-May]	HR: Pfs 1-15, 17	Dark green	Slow	25,000 precision	Untreated	H30159NK
MELVILLE F1	J F M A M J J A S O N D [Sowing bars: Mar, Sep]	HR: Pfs:1-15,17	Dark green	Medium	25,000 precision	Untreated	H30162NK
MAGNETIC F1	J F M A M J J A S O N D [Sowing bars: Mar-Sep]	HR: Pfs 1-15, 17	Dark green	Medium	25,000 precision	Untreated	H30160NK
MEERKAT F1	J F M A M J J A S O N D [Sowing bars: Mar, Sep]	HR: Pfs 1-15	Dark green	Early	25,000 precision	Untreated	H30161NK
SOLOMON F1	J F M A M J J A S O N D [Sowing bars: Feb-Mar, Sep]	HR: Pfs 1-9, 11-16	Medium to dark green	Very early	25,000 precision	Untreated	H30164NK
SUNANGEL F1	J F M A M J J A S O N D [Sowing bars: Feb-Mar, Apr-May, Sep-Oct]	HR: Pe:1-9,11-19, IR: Pe 10	Dark green	Early	25,000 precision	Untreated	H30166NK

# New Zealand spinach

*Tetragonia tetragonioides*



**Sowing:**  
February to May

**Germination:**  
7-21 days at 20-25°C

**Planting density:**  
0.3 to 0.5 m x 0.5  
to 1 m, i.e. 10,000 to  
60,000 plants/ha

**Seed requirements:**  
10-12 seeds/g

Variety	Characteristics	Min Qty	Product type	Item no.
NEW ZEALAND SPINACH	Cultivated like spinach. Sensitive to frost. Harvested 70 to 90 days after sowing.	10 g	Untreated	O3100INS

# Swiss chard

*Beta vulgaris var cycla L.*

**Sowing:**  
March to September

**Seed requirements:**  
10 g for 1,000 plants  
3 kg/ha for direct sowing  
60-90 seeds/g

**Pre-cultivation:**  
5 to 8 weeks

**Germination:**  
6-14 days



**Planting density:**  
40,000-50,000 plants/ha  
Row spacing 60 to 70 cm and 30-35 cm in a row



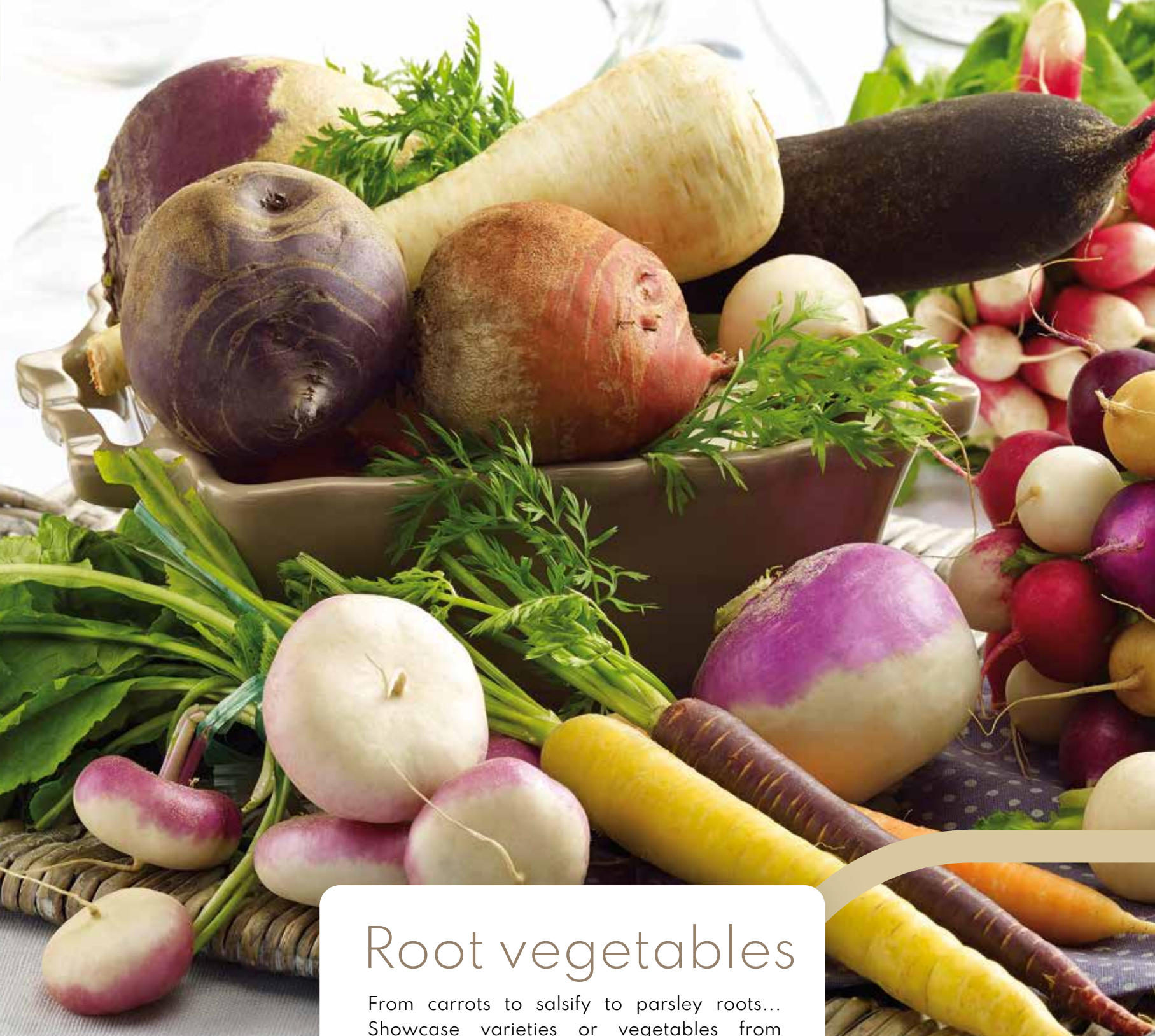
## White stems

Varieties	Leaf colour/ aspect	Stem		Cold resistance	Resistance/ bolting susceptibility	Characteristics	Min Qty	Product type	Item no.
		Length (cm)	Width (cm)						
JESSICA	Dark green Smooth	25-30	6-8	Good	Good	Compact and upright plant with fast growth, 'Barese' type, for spring/autumn. Average weight: 0.7 to 1 kg. Very nice piece goods for the fresh food market, can also be cultivated in autumn/winter under glass.	1,000 seeds	Organic	051028BG
VERTE À CARDE BLANCHE 3 RACE B	Dark green Blistered	35-40	10-15	Very good	Very good	Presents itself very nicely at point of sale, standard variety on the market.	5,000 precision 50 g	Organic	051005BK 051005BS



## Colourful stems

Varieties	Stem colour	Characteristics	Min Qty	Product type	Item no.
BRIGHT LIGHTS	Colourful	Mix of white, pink, red, green and yellow stems.	50 g	Organic	051006BS
GALAXY F1	Red	Benefits due to the vitality of the hybrids and their uniformity, cold tolerance, very high yield in cool seasons, oval leaves with green colour which also remain healthy in autumn/winter cultivation.	10,000 seeds	Untreated	051027NG
RHUBARB CHARD RUBIS	Red	Fairly broad leaves. Red, well-coloured stems.	50 g	Organic	051003BS



## Root vegetables

From carrots to salsify to parsley roots... Showcase varieties or vegetables from days gone by? Reference varieties or newer varieties? Reliable values or originality? Everything can be found in our range of root vegetables.

# Carrot

*Daucus carota L.*

**Sowing:**  
Year-round, depending on geographical location

**Seed requirements:**  
1 g contains 800 to 1,000 seeds  
Nantes F1 open field: 1.5 to 2 million/ha

**Germination:**  
10-14 days



**Cultivation period:**  
Early: 12 to 15 weeks  
Season: 15 to 20 weeks

**Seed rate:**  
1.5 to 2 million seeds/ha  
20 to 50 cm between rows and 60-100 seeds per metre



CARVORA F1



**NAPOLI F1**  
Early and bunched vegetables



SPEEDO F1



NEW

AMIVA



CARAVEL F1



CARRUBA F1



LAGUNA F1



OCHENSHERZ\*\*



PARISER MARKT 5



NEW

BOLERO F1



MERIDA F1



NEW

NEGOVIA F1



ROTHILD



NANTES 2  
RACE TIP TOP



CARIBOU



NIPOMO F1



CARVALO F1



NORWAY F1



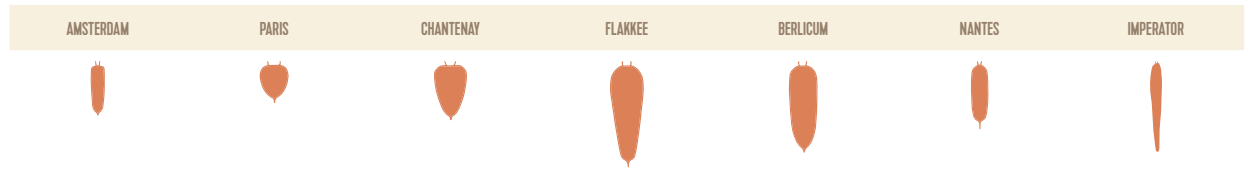
POLYDOR F1



KAROTAN

\*\*Variety included in List d  
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Orange varieties

Varieties	Production calendar	Development time	Use	Type	Characteristics	Min Qty	Product type	Item no.
<b>CARVORA F1</b>	J F M A M J J A S O N D	90 days	Bunched/washed carrot		Very uniform and smooth, high net yield, little breakage, conditionally storable.	25,000 precision	Untreated	H05038NK
<b>NAPOLI F1</b>	J F M A M J J A S O N D	90 days	Bunched/washed carrot		Rapid colouring. Long, slightly conical root. Strong foliage, good foliage attachment. IR: Ad, Cc, cavity spot.	25,000 precision	Organic	H05024BK
<b>SPEEDO F1</b>	J F M A M J J A S O N D	90 days	Washed carrot		For early cultivation, very smooth surface and beautiful colour, strong, upright medium green foliage; good yield potential, very good flavour.	25,000 precision	Untreated	H05161NK
<b>AMIVA</b>	J F M A M J J A S O N D	95 days	Bunch/loose		Very early growth. Amsterdam type. Crunchy, juicy root and tasty.	25 g	Organic	005163BS
<b>CARAVEL F1</b>	J F M A M J J A S O N D	100 days	Washed carrot		Beautiful, uniform, early Nantes carrot; beautiful, blunted, smooth carrots; the foliage is stable and healthy.	25,000 precision	Untreated	H05150NK
<b>CARRUBA F1</b>	J F M A M J J A S O N D	100 days	Bunched/washed carrot		Year-round cultivation as a bunched/washed carrot, very smooth and uniform; good harvesting properties and high-yield.	25,000 precision	Untreated	H05153NK
<b>LAGUNA F1</b>	J F M A M J J A S O N D	100 days	Bunched/washed carrot		Early, uniform carrot for early and late sowing, very smooth carrot, burst-proof and good interior quality.	25,000 precision	Organic	H05058BK
<b>OCHENSHERZ**</b>	J F M A M J J A S O N D	110 days	Bunched/washed carrot/industry		Very conical, short, light orange colour. Late, with very good suitability for storage.	25 g	Organic	005128BS
<b>PARISER MARKT 5</b>	J F M A M J J A S O N D	110 days	Bunch/loose		Parisian type. Round, orange root.	25,000 precision	Untreated	005100NK
<b>BOLERO F1</b>	J F M A M J J A S O N D	115 days	Loose/storage		Versatile variety. Good behaviour when ripe. Good shelf life. HR: Ad, powdery mildew. IR: Cavity spot.	100,000 precision	Untreated	H05065NK
<b>MERIDA F1</b>	J F M A M J J A S O N D	115 days	Bunched/washed carrot		Only ORGANIC, very stable and healthy foliage, a bunch carrot for summer to autumn, suitable for industry and also as a sliced product.	25,000 precision	Organic	005034BK
<b>NEGOVIA F1</b>	J F M A M J J A S O N D	115 days	Washed carrot/industry		Good colouring. Strong foliage. For every soil type.	100,000 precision	Organic	H05079BK
<b>ROTHILD</b>	J F M A M J J A S O N D	120 days	Bunched/washed carrot/industry		Very nicely coloured and well-finished root. Very high carotene content.	25 g 25,000 precision	Organic	005007BS 005007BK
<b>NANTES 2 RACE TIP TOP</b>	J F M A M J J A S O N D	120 days	Bunched/washed carrot industry		Uniform root with beautiful colour.	25 g	Organic	005107BS
<b>CARIBOU F1</b>	J F M A M J J A S O N D	125 days	Washed carrot		Break-proof, cylindrical and blunt carrot, stable, dark and compact foliage.	25,000 precision	Untreated	H05151NK
<b>NIPOMO F1</b>	J F M A M J J A S O N D	125 days	Bunched/washed carrot/storage		Very uniform, smooth and well-coloured root. Strong and upright foliage. Very good tolerance against Alternaria. Good shelf life.	25,000 precision	Organic	H05089BK
<b>CARVALO F1</b>	J F M A M J J A S O N D	125 - 130 days	Washed carrot		Very uniform, smooth carrot with very good foliage, therefore very good harvesting performance.	25,000 precision	Untreated	H05154NK
<b>NORWAY F1</b>	J F M A M J J A S O N D	130 days	Washed carrot/storage		Late variety with good storage suitability.	25,000 precision	Organic	H05122BK
<b>POLYDOR F1 (CLX31845)</b>	J F M A M J J A S O N D	135 days	Washed carrot		Very uniform, smooth, break-proof carrot, resistant to bursting, attractive colour and very high yield potential.	25,000 precision	Untreated	H05160NK
<b>KAROTAN</b>	J F M A M J J A S O N D	150 days	Industry		High carotene and sugar content, main variety for industry in Europe, well storable, use: juice and slices.	25,000 precision	Untreated	H050560NK

Sowing Harvest \*\*Variety included in List d

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GOLD NUGGET F1



MELANGE MULTICOLOR F1



WHITE SATIN F1



MALBEC F1



RAINBOW F1



PAINTBOX MIX



SNOWMAN F1



NIGHT BIRD F1



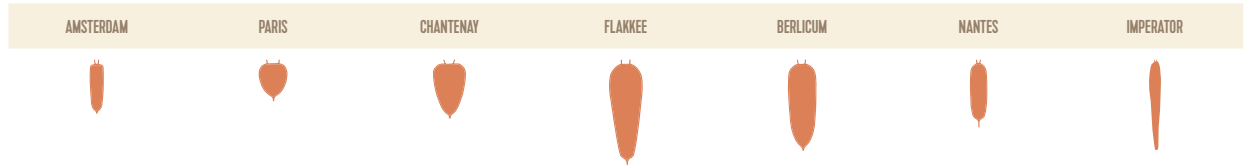
YELLOW MOON F1



GNIFF



YELLOWSTONE



Other varieties

Varieties	Production calendar	Cycle	Use	Type / colour	Length (cm)	Characteristics	Min Qty	Product type	Item no.
<b>GOLD NUGGET F1</b>	J F M A M J J A S O N D ■                  ■	90 days	Bunched/washed carrot		18-20	Beautiful root of the Nantes type, for sowing from May onwards. Flavour like a Nantes, but with a strong yellow colour.	25,000 precision	Untreated	H05025NK
<b>MELANGE MULTICOLOR F1 (MULTICOLOURED MIX)</b>	J F M A M J J A S O N D ■                  ■	90 - 110 days	Bunched/loose		15-20	Mix of white, yellow, orange and purple varieties.	25,000 precision	Untreated	005032NK
<b>WHITE SATIN F1</b>	J F M A M J J A S O N D ■                  ■	110 days	Bunched/loose		16-18	Crunchy flesh. Good shelf life. Robust plant. White root.	25,000 precision	Organic	H05094BK
<b>MALBEC F1</b>	J F M A M J J A S O N D ■                  ■	110 days	Bunched/loose		20-25	Interior and exterior colour deep red. Root cylindrical, very soft. Strong foliage. Slight anthocyanin colouration.	25,000 precision	Untreated	005129NK
<b>RAINBOW F1</b>	J F M A M J J A S O N D ■                  ■	110 days	Bunched/loose		16-18	Mix of white, yellow and orange varieties.	25,000 precision	Untreated	H05083NK
<b>PAINTBOX MIX </b>	J F M A M J J A S O N D ■                  ■	110-130 days	Bunched/loose		28 - 25	Mixture of varieties with long roots, suitable for seasonal bunches. Contains the following colours: orange, yellow, white, purple with orange and red core.	25,000 precision	Untreated	005158NK
<b>SNOWMAN F1</b>	J F M A M J J A S O N D ■                  ■	120 days	Loose		20-25	Beautiful, conical, uniform white root, without green collar. Strong foliage.	25,000 precision	Untreated	H05063NK
<b>NIGHT BIRD F1</b>	J F M A M J J A S O N D ■                  ■	120 days	Washed carrot		18-23	Completely purple carrots, sowing when day length is decreasing; depending on the period of sowing, there may be shoots.	25,000 precision	Untreated	H05159NK
<b>YELLOW MOON F1</b>	J F M A M J J A S O N D ■                  ■	130 days	Washed carrot, industry		17-20	Highly productive yellow variety with comparatively low tendency towards green heads, excellent for processing and storage; IR: Ad.	25,000 precision	Untreated	H05162NK
<b>GNIFF</b>	J F M A M J J A S O N D ■                  ■	130-140 days	Industry		10 - 15	Slowly growing storage variety from Ticino; purple on the outside, white on the inside; very decorative; sensitive to wet locations.	25 g	Organic	005035BS
<b>YELLOWSTONE</b>	J F M A M J J A S O N D ■                  ■	140 days	Bunched/washed carrot		20 - 25	Yellow, conical root. Strong foliage.	25,000 precision	Organic	005073BK

Sowing Harvest

# Celery

*Apium graveolens L.*

**Sowing:**  
January to May

**Seed requirements:**  
1 g for 1,000 plants - 2,500 seeds/g  
In seed trays: 2 g/m<sup>2</sup>

**Pre-cultivation:**  
6 to 9 weeks



**Germination:**  
10-20 days

**Planting density:**  
Open field: 4 to 6 plants/m<sup>2</sup>  
Spacing 50-60 x 40-60 cm



## CULTIVATION ADVICE

### The pre-germinated and pilled celery seeds

The pre-germinated seeds are pilled (diameter 2.0 to 2.5 mm) to facilitate sowing. These seeds can be stored for 6 to 8 weeks in the refrigerator (3 to 5°C). It is therefore essential to inform us of your sowing date when ordering.



**Delivery weeks: 3 to 18.**

## Celeriac

### MARKIZ F1



## Celery



### TANGO

Appearance and easy to cultivate



### VICTORIA F1



### PRINCE



## Celeriac

Varieties	Harvest maturity	Root		Use	Characteristics	Min Qty	Product type	Item no.
		Size	Interior quality					
PRINCE	Very early	Medium-sized	White and firm	Fresh food market and industry	Main variety for early cultivation, very robust against bolting, the tuber is round, relatively smooth with small root base; excellent quality.	1,000 pills	Organic	H06019BV
MARKIZ F1	Medium-early	Large	White and completely filled	Fresh food market and industry	High-yield, fast-growing hybrid with upright leaves, for planting from the beginning of May onwards, ideal for processing due to the excellent interior quality.	1,000 pills	Organic	H06023NV
MONARCH	Late	Medium-sized	White and firm	Fresh food market and industry	Very suitable for storage, light-skinned standard variety, resistant to iron chlorosis, remains white when cooking.	5,000 seeds	Organic	006001BG
						1,000 pills		006001BV

## Celery

Varieties	Foliage		Plant structure	Use	Characteristics	Resistances	Min Qty	Product type	Item no.
	Colour	Height (cm)							
HUDSON F1	Dark green	70-80	Upright	Fresh food market	Dark green variety with fast development and Fusarium tolerance for planting from week 17 to week 29.	-	1,000 pills	Untreated	H07027NE
TANGO	Dark green	50-55	Very upright	Fresh food market and industry	For the entire season. Smooth stalks with a beautiful appearance.	-	1,000 pills	Organic	H07014BV
VICTORIA F1	Medium green	60-70	Upright	Fresh food market	Medium green, very resistant to bolting, for early and late cultivation.	-	10,000 pills	Untreated	H07020NV

# Chervil root

*Chaerophyllum bulbosum*

**Sowing:**  
January to February

Frost germination

**Seed requirements:**  
3 g for 1,000 seeds

**Germination:**  
1 month

**Planting density:**  
50,000 plants/ha  
10 x 20 cm



## CULTIVATION ADVICE

The tubers can be eaten after a few weeks of storage. The leaves are not edible because they are toxic.



**Delivery weeks: 1 to 12.**



Variety	Characteristics	Min Qty	Product type	Item no.
DELTA	Nice appearance. High-yield and quite late variety.	5 g	Untreated	008003NS

# Chicory witloof

*Cichorium intybus L. (Indivia Belga)*

**Sowing:**  
Direct sowing from April to June

**Seed requirements:**  
0.8 to 1.2 kg/ha  
or 300,000 to 400,000 seeds/ha

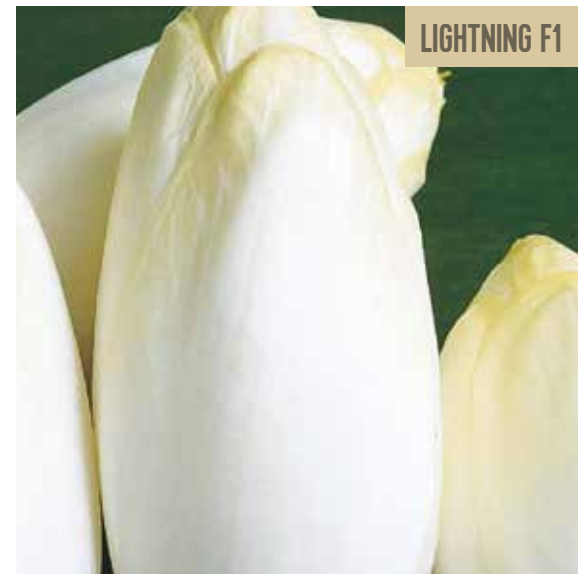
**Germination:**  
5-10 days



**Seed rate:**  
250,000 to 300,000 plants/ha  
5-6,5 cm x 30-35 cm  
Thin out to 7-10 cm in a row



FESTIVE F1



LIGHTNING F1

Varieties	Production calendar	Characteristics	Min Qty	Product type	Item no.
FESTIVE F1	J   F   M   A   M   J   J   A   S   O   N   D 	Intense red colour on both sides of the leaf. The forcing temperature is lower than for yellow varieties.	5,000 precision	Untreated	O11031NK
LIGHTNING F1	J   F   M   A   M   J   J   A   S   O   N   D 	Medium-late variety. For forcing from November to May. Medium-length, smooth shoots. Superbly closed. Easily breakable. Very uniform.	5,000 precision	Organic	H11003BK

Forcing

# Fennel

*Foeniculum vulgare L.*

## Sowing:

January to July  
April to July in the open air

## Seed requirements:

1 g for approx. 100 plants  
or 2 to 2.5 kg/ha  
200-250 seeds/g  
120,000 seeds/ha

## Pre-cultivation:

4 to 7 weeks

## Germination:

20 days



## Planting density:

100,000 to 150,000 plants/ha  
35-50 x 15-20 cm

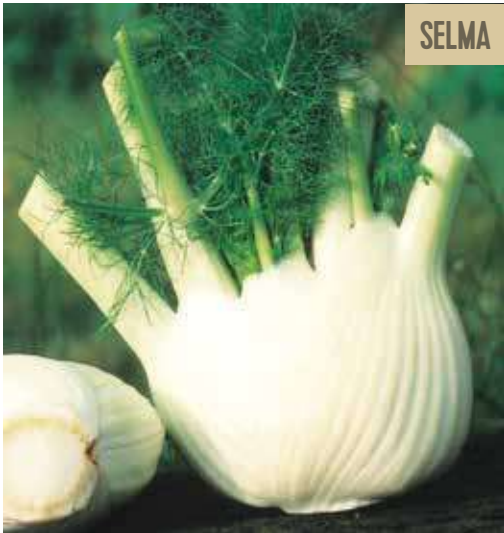
## Pre-cultivation temperature:

Too high a temperature affects the quality of the tubers

ORION F1



SELMA



SOLARIS F1



PRELUDIO F1



FINALE



Varieties	Production calendar	Shape	Harvest maturity	Cycle Sowing Harvest	Characteristics	Min Qty	Product type	Item no.
SELMA	J F M A M J J A S O N D		Very early	70-80 days	Good uniformity.	1,000 precision	Organic	032005BK
SOLARIS F1	J F M A M J J A S O N D		Very early	75 days	Bolt- and burst-proof.	1,000 seeds	Organic	H32016BG
PRELUDIO F1	J F M A M J J A S O N D		Early	75 days	Very white and even tubers.	500 pills	Organic	H32023BE
ORION F1	J F M A M J J A S O N D		Medium-early	75-80 days	Burst-proof, high proportion of Class 1, large - round tubers - year-round cultivation.	1,000 seeds	Organic	H32015BG
FINALE	J F M A M J J A S O N D		Late	90-100 days	Bolt-resistant variety, uniform tubers, year-round cultivation.	25 g 1,000 pills	Organic	032008BS 032008BE

Sowing Harvest

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**VOLTZ**  
MARAICHAGE

# Parsley root

*Petroselinum crispum var tuberosum.*

**Sowing:**  
April to May

**Germination:**  
30 to 35 seeds  
30 to 35 seeds per running metre

**Row spacing:**  
35 cm  
750,000 to 875,000 seeds/ha

HALBLANGE / COMANCHE



BERLINER / EAGLE



HALBLANGE



Varieties	Characteristics	Min Qty	Product type	Item no.
BERLINER/EAGLE	Perennial standard variety, half-length white and productive beets, very good storage suitability, preferred sowing as 'Primed Bejo Precision' (pre-germinated).	10,000 precision	Untreated	H58134NK
HALBLANGE	Creamy-white, elongated, conical beet, 15-20 cm. For the fresh food market.	50 g	Organic	O47028BS
HALBLANGE / COMANCHE	Parsley root type half-length; smooth beets with beautiful colour, robust and dark green foliage; also available as precision seeds.	10,000 precision	Untreated	H58137NK

# Salsify

*Scorzonera hispanica L.*

**Sowing:**  
Beginning of April until end of May

**Seed requirements:**  
8 to 10 kg per ha  
75-90 seeds/g

**Germination:**  
8-10 days  
During germination, the soil must remain moist.



**Planting density:**  
8 to 10 x 25 to 30 cm i.e. 30 to 50 plants/m<sup>2</sup>

DUPLEX



Varieties	Characteristics	Min Qty	Product type	Item no.
DUPLEX	Variety with uniform, long cylindrical roots and a good flavour.	50 g	Organic	O55007BS
HOFFMANN'S SCHWARZE PFAHL	Standard variety in organic cultivation with very uniform roots.	50 g	Untreated	O55009NS

# Parsnip

*Pastinaca sativa L.*

**Sowing:**

March to early July

**Seed requirements:**

2 to 3 kg/ha  
700,000-1.2 million plants/ha

**Germination:**

15-20°C in 8 to 15 days

**Seed rate:**

15-20 x 35 cm



**CHELSEA F1** 🌱



**GLADIATOR F1**



**WHITE GEM**



**JAVELIN F1**

Main variety in Germany and Austria



**EVERTON** 🌱

Varieties	Harvest maturity	Characteristics	Min Qty	Product type	Item no.
<b>CHELSEA F1</b> 🌱	Early	Uniform white beets, very high yield.	1,000 precision	Organic 🌱	046015BK
			1,000 pills		046015BE
<b>GLADIATOR F1</b>	Early	Half-length Guernsey type. Very uniform, white root, less susceptible to root crown rot.	1,000 pills	Untreated	H46003INE
			1,000 precision		H46003NK
<b>WHITE GEM</b>	Medium early	Open-pollinated, sweet and tender wedge-shaped roots, suitable for all soils, especially for heavy soils.	10 g	Organic 🌱	H46027BS
<b>ALBION F1</b>	Medium	Beautiful, long white roots, retains the colour for a long time, very resistant to head blight; also available as an outdoor pill. Caution – do not overlap the seeds.	1,000 precision	Untreated	H46010NK
			1,000 pills		H46010NE
<b>EVERTON</b> 🌱	Medium	Creamy white, slender and uniform root (25-30 cm). Vigorous variety.	1,000 precision	Organic 🌱	046669BK
			1,000 pills		046669BE
<b>JAVELIN F1</b>	Medium late	Produces a highly marketable yield, of very high quality with the desired slender, wedge-shaped roots, specially developed for packaging in trays; due to the smooth leaf base and the very smooth roots, this variety is easy to wash, very resistant to head blight; also available as an outdoor pill. Caution – do not overlap the seeds.	1,000 pills	Untreated	H46004INE
			1,000 precision		H46004NK



# Radish

*Raphanus sativus L.*

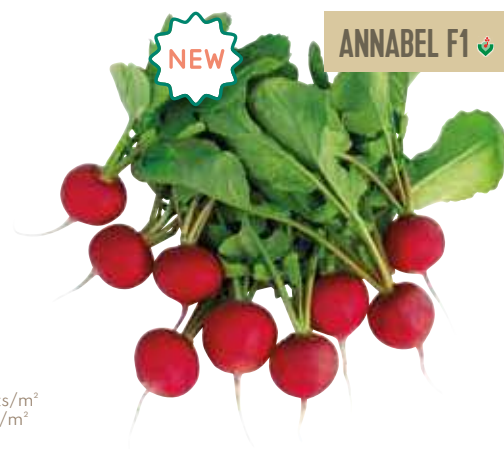
**Sowing:**  
Year-round

**Seed requirements:**  
Protected cultivation:  
30 kg-40 kg/ha  
or 4 to 4.5 million seeds/ha

Outdoor cultivation:  
40-60 kg/ha  
or 5 to 6 million seeds/ha

**Germination:**  
6 to 10 days

**Density:**  
Row spacing of 7 or 15 cm  
Protected cultivation: 350 to 420 plants/m<sup>2</sup>  
Outdoor cultivation: 430 to 540 plants/m<sup>2</sup>



## Round, red varieties

Varieties	Production calendar												Root diameter (cm)	Use	Characteristics	Min Qty	Product type	Item no.
	J	F	M	A	M	J	J	A	S	O	N	D						
<b>ANNABEL F1</b>				■	■	■	■	■	■	■	■	■	2.5 - 3	Bunched	Homogenous radish with very nice interior quality for cultivation in spring & summer. Particularly suitable for cultivation on sandy soils.	10,000 precision	Untreated	054091NK
<b>CESAR F1</b>				■	■	■	■	■	■	■	■	■	2.5 - 3	Bunched	Early summer/summer radish with more compact foliage. Cultivation with good water supply necessary, only for professional growers.	10,000 precision	Untreated	H54155NK
<b>DONAR F1</b>	■	■	■	■	■	■	■	■	■	■	■	■	3 - 3.5	Bunched	Radish for winter cultivation under glass and first set under fleece. Bright red, medium-sized tubers.	10,000 precision	Untreated	H541761NK
<b>ELLIS F1</b>				■	■	■	■	■	■	■	■	■	3 - 3.5	Bunched/loose	Very nice round radish for summer cultivation. Strong and stable, even in high temperatures. Strong and compact foliage, resistant to furriness with a fine, distinct root.	10,000 precision	Untreated	054130NK
<b>KVINTARA F1</b>				■	■	■	■	■	■	■	■	■	2.5 - 3	Bunched	Intensely red radishes for spring and summer cultivation.	10,000 precision	Organic	054047BK
<b>RAXE</b>				■	■	■	■	■	■	■	■	■	2.5 - 3.5	Bunched	Round, bright red outdoor radish with compact growth, bunchable foliage. Resistant to furriness, with a fine root base.	10,000 precision 50 g	Organic	0540111BK 0540111BS
<b>SORA</b>				■	■	■	■	■	■	■	■	■	2.5	Bunched	Bright red outdoor radish with medium-length foliage. Resistant to bursting and furriness.	50 g 10,000 precision	Organic	054046BS 054046BK
<b>SOLARIS F1</b>				■	■	■	■	■	■	■	■	■	2.5 - 3	Bunched	Robust, reliable hybrid. Very uniform, round, bright red radish for year-round outdoor cultivation. Machine-washable.	10,000 precision	Untreated	054018NK
<b>TOPSI</b>	■	■	■	■	■	■	■	■	■	■	■	■	2.5 - 3	Bunched	Fast-growing, round radish. Also suitable for cultivation under glass and outdoors under fleece.	10,000 precision	Untreated	054016NK



GAUDRY 2



BLANKA F1



HORUS



BACCHUS F1



MÉLANGE



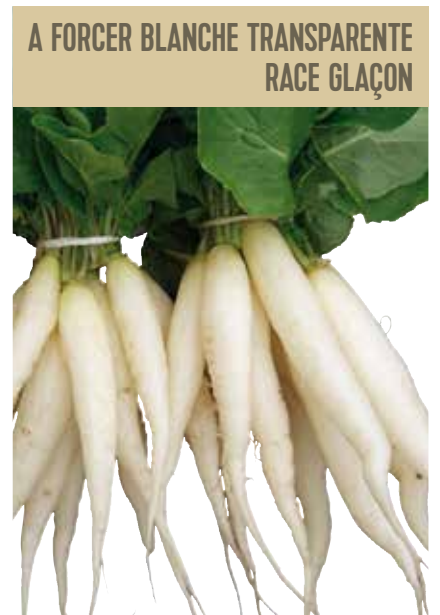
MÉLANGE COULEUR PREMIUM



PATRICIA



CANDELA DI FUOCO



A FORCER BLANCHE TRANSPARENTE RACE GLAÇON



### Round, colourful varieties

Varieties	Production calendar	Root		Use	Characteristics	Min Qty	Product type	Item no.
		Diameter (cm)	Shape					
<b>GAUDRY 2</b>		2.5		Bunched	Short cultivation period, robust against furriness. White tip.	50 g 10,000 precision	Organic	054029BS 054029BK
<b>BLANKA F1</b>		2.5 - 3.5		Bunched	White and uniform root. Excellent taste.	10,000 precision	Untreated	054056NK
<b>HORUS</b>		2.5-3.0		Bunched	Bright yellow and a sweet, white flesh flavour. Root very round and smooth, not very sensitive to bursting and resistant to furriness.	10,000 precision	Untreated	054117NK
<b>BACCHUS F1</b>		3		Bunched	Purple hybrid variety. Nice and round. Excellent taste. For protected and outdoor cultivation.	10,000 precision	Untreated	054110INK
<b>MÉLANGE</b> (MIX OF ROUND, COLOURFUL RADISHES)		2.5 - 3.5		Bunched	Mix consisting of equal quantities of the following varieties: Raxe (organic), Gaudry 2 (organic), Zlata (untreated), Malaga (untreated) and Sniezka (untreated).	10,000 precision	Untreated	0540981NK
<b>MÉLANGE COULEUR PREMIUM</b> (PREMIUM COLOUR MIX)		2.5-3.5		Bunched	Very homogenous colour mixture, consisting of equal quantities of the following 3 varieties: Bacchus, Horus and Blanka F1.	10,000 precision	Untreated	054128NK

### Half-length varieties

Variety	Production calendar	Root		Use	Characteristics	Min Qty	Product type	Item no.
		Diameter (cm)	Shape					
<b>PATRICIA</b>		5		Bunched	Medium-length, uniform, bright red radish with white tip. Medium-length, strong foliage, very bunchable.	10,000 precision 50 g	Organic	054071BK 054071BS

### Other types

Varieties	Production calendar	Length	Use	Characteristics	Min Qty	Product type	Item no.
<b>A FORCER BLANCHE TRANSPARENTÉ RACE GLAÇON</b>		10-15 cm	Bunched	Icicle type, short foliage, for open field and under glass.	50 g	Organic	054010IBS
<b>CANDELA DI FUOCO</b>		16 cm	Bunched	Bright red, long radish with white flesh & mildly spicy flavour. Fast-growing variety with high yield. Ideal for direct marketing.	50 g	Organic	054159BS



# Winter radish

*Raphanus sativus*

**Sowing:**

January to September, depending on type (Black, Japanese, Easter Greeting etc.)

**Planting density:**

10 to 20 cm x 25 to 35 cm depending on the type  
15 kg for Easter Greeting  
4 to 7 kg for other types



OSTERGRUSS ROSA 2



BLAUER HERBST UND WINTER\*\*



WIENER RUNDER KOHLSCHWARZER



MISATO ROSE FLESH\* 🍀



LORENZ F1 🍀



VITUS F1 🍀



MERLIN F1 🍀



GAWAN F1 🍀

### Winter long radish

Varieties	Production calendar	Root length	Characteristics	Min Qty	Product type	Item no.
OSTERGRUSS ROSA 2 FRÜHLINGSGRUSS	J F M A M J J A S O N D	25-30 cm	Very versatile. Nice appearance. Suitable for spring and summer sowing.	50 g 10,000 precision	Organic	054014IBS 054014BK
BLAUER HERBST UND WINTER**	J F M A M J J A S O N D	15-20 cm	Half-length autumn radish, oblong, with purple peel and white flesh. Good storage suitability.	50 g	Organic	054038BS

### Winter round radish

Varieties	Production calendar	Type of cultivation	Foliage	Root length	Use	Characteristics	Min Qty	Product type	Item no.
WIENER RUNDER KOHLSCHWARZER	J F M A M J J A S O N D	Open field	-	5-12 cm	Loose, storage	Standard as a black winter radish, storage possible; colour: black.	10,000 precision	Organic	054152BK
MISATO ROSE FLESH*	J F M A M J J A S O N D	Open field	Vigorous	3-8 cm	Bunched, loose, storage	Strong colour on the inside. Homogenous shape and calibre. Very sweet taste. Strong foliage. Good behaviour at the end of the cultivation.	10,000 seeds	Untreated	054126NG

### Half-length winter radish

Varieties	Production calendar	Root length	Characteristics	Min Qty	Product type	Item no.
LORENZ F1	J F M A M J J A S O N D	25-30 cm	Bolt-proof, half-length variety with a hot radish taste; very smooth, white beet with dark green foliage; fast-growing, high-yield, does not become furry and does not lignify; colour: white.	1,000 precision	Untreated	054138NK
VITUS F1	J F M A M J J A S O N D	25 cm	Pure white radish with full-edged foliage and hot taste; only for summer cultivation, does not form a green head even when overripe; cylindrical beet with improved resistance to Verticillium.	1,000 precision	Untreated	054140NK

### Japanese white radish

Varieties	Production calendar	Root length	Characteristics	Min Qty	Product type	Item no.
MERLIN F1	J F M A M J J A S O N D	40 cm	Slim, white Japanese individual radish with a smooth surface and a beet length of about 40 cm; slightly faster development than Lancelot, stable foliage, mild taste, uniform hybrids with a high crop rate.	1,000 precision	Untreated	054139NK
GAWAN F1	J F M A M J J A S O N D	40-50 cm	Uniform hybrids for summer cultivation. Approx. 40 cm long, very smooth and slender beets with white head and compact foliage. High crop rates.	1,000 precision	Untreated	054136NK

# Rhubarb

*Rheum rhabarbarum*

Seed requirements:  
30 g for 1,000 plants

Planting density:  
80 x 100 cm

Variety	Characteristics	Min Qty	Product type	Item no.
VICTORIA	Hardy variety with broad, fleshy, 60 cm long stems with an excellent taste. Only plant the seedlings with a red stem.	250 seeds	Organic	058170BG



Sowing Harvest \* Registration applied for \*\*Variety included in List d  
The above information is provided for informational purposes only and is not a guarantee

# Red beet

*Beta vulgaris L. conditiva alef.*

## Sowing:

February to early July

## Seed requirements:

10 g for 1,000 plants  
400,000 to 600,000 seeds/ha  
25 kg/ha or 2.1 million seeds for baby beets  
50-60 seeds/g

## Pre-cultivation:

5 - 8 weeks

## Germination:

9-10 days



## Planting density:

350,000 to 550,000 plants/ha  
30-35 cm between the rows  
Round beets: 20 to 28 seeds per metre  
Long beets: 14 seeds per metre



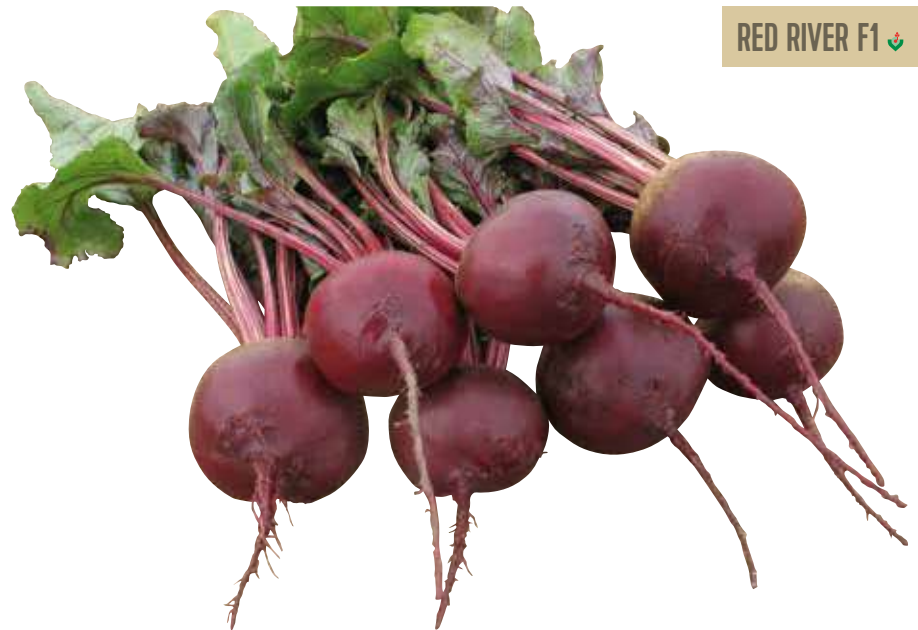
**BORO F1**



**PABLO F1**








**DETROIT 2 BOLIVAR**



**RED RIVER F1** 

## Round, red varieties

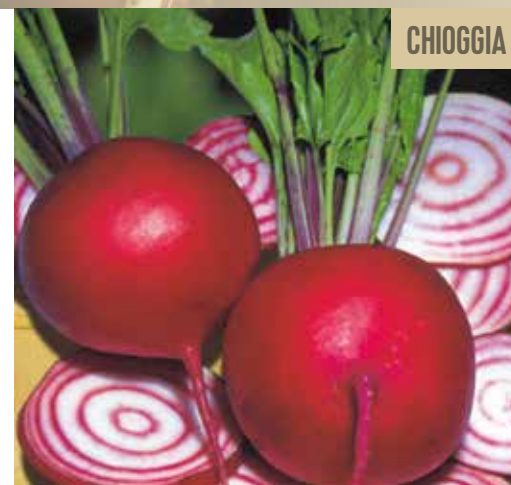
Varieties	Harvest maturity	Use	Storage life	Characteristics	Min Qty	Product type	Item no.
 <b>BORO F1</b>	Medium-early	Fresh food market and industry	Good	Main variety in organic cultivation, robust growth property, strong, resistant foliage, good content values, excellently storable, sowing rate from 0.5 to 0.7 million seeds per hectare, sown from April to June. Bolt-resistance: medium.	10,000 precision	Organic 	H03025BK
<b>PABLO F1</b>	Medium-early	Fresh food, industry, baby beets	Very good	Dark red, homogenous colouring, suitable for fresh food market, industry and baby beets, good storage properties, sowing rate of 0.6 to 1.5 million seeds per hectare (depending on use), sown from March to July.	10,000 precision	Untreated	H030240NK
<b>DETROIT 2 BOLIVAR</b>	Medium-early	Fresh food market and industry	Good	Late shooting, round, uniform and vigorously growing variety with high yield, smooth skin, deep red interior colour, upright foliage.	5,000 precision	Organic 	003009BK
<b>RED RIVER F1</b> 	Medium-late	Fresh food market and industry	Very good	Homogenous, round root with beautiful foliage and small, fine root. Calibre 50-90 mm. Intense red interior colour. Development time of approx. 150 days. Suitable for cultivation on light soils.	5,000 precision	Organic 	003046BK



ALBINA VEREDUNA



BURPEES GOLDEN



CHIOGGIA



GOLDEN EYE 🍏



FORMANIVA




ALTO F1




KOSAK

### Colourful varieties

Varieties	Harvest maturity	Use	Storage life	Characteristics	Min Qty	Product type	Item no.
ALBINA VEREDUNA	Medium-early	Fresh food market	Good	Round, white tuber with white flesh. Excellent, sweet taste.	1,000 seeds	Organic 🌿	003041BG
 BURPEES GOLDEN	Medium-early	Fresh food market, industry, bunched	Good	Original variety with yellow flesh. Good taste, robust plant.	1,000 seeds	Organic 🌿	003027BG
CHIOGGIA	Medium-late	Fresh food market	Good	Original variety with two-tone flesh forming concentric circles. Very mild taste.	1,000 seeds	Organic 🌿	003033BG
GOLDEN EYE 🍏	Season	Fresh food market, industry, bunched	Good	Homogenous, round variety with a beautiful root neck and fine root. Selling calibre 50-90 mm. Intense red interior colour. Cultivation cycle of approx. 150 days. Suitable for cultivation in light soils.	1,000 precision	Untreated	003045NK

### Cylindrical varieties

Varieties	Harvest maturity	Use	Storage life	Characteristics	Min Qty	Product type	Item no.
ALTO F1	Medium-late	Industry	Good	Medium-length, smooth industrial variety with good interior quality and dark red flesh.	10,000 precision	Untreated	H030512NK
KOSAK	Medium-late	Fresh food market and industry	Good	12-15 cm long, very well coloured beet, proven variety, medium-length and cylindrical.	10,000 precision	Untreated	H03060NK
 FORMANIVA	Medium-late	Fresh food market and bunched	Good	Variety with a round, cylindrical shape, easy to harvest and to preserve; very tasty, either cooked or raw.	1,000 seeds	Organic 🌿	003065BG

# Turnip

*Brassica rapa var. rapa L.*

## Sowing:

Direct sowing: March to September

## Seed requirements:

0.75 to 1.5 kg/ha  
700,000 to 800,000 seeds/ha  
400 to 600 seeds/g

## Pre-cultivation:

5-10 days



## Planting density:

700,000 plants/ha  
or 15-35 x 5-10 cm



**SWEETBELL F1** 🌱

Surprise your customers with colourful and original mixed bundles of Sweetbell F1 and colourful, round radishes.



**GLOBE COLLET VIOLET**

Robust and cold-resistant



**NORDIK** 🌱



**ROYAL CROWN F1** 🌱



**POLAR F1** 🌱

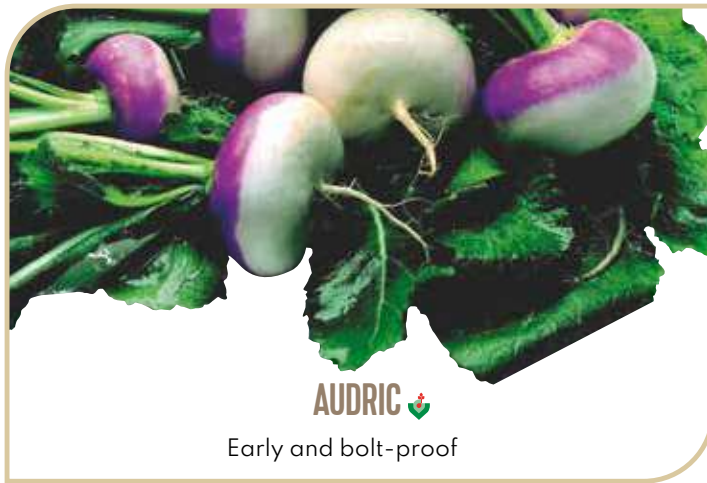


**JAUNE BOULE D'OR**



**SNOWBALL**





### Round type

Varieties	Type of cultivation	Root		Use	Characteristics	Min Qty	Product type	Item no.
		Shape	Calibre (ø)					
<b>White with purple root neck</b>								
SWEETBELL F1 🍀	Λ ∩ ∴ —		5-7.5 cm	Bunched, loose	Very homogenous and productive variety. Compact foliage. Requires good irrigation monitoring. Excellent sweet taste that allows it to be eaten raw. Target: Fresh food market (autumn harvest) or bunches (spring harvest).	25,000 seeds	Untreated	043012NG
BLANC GLOBE COLLET VIOLET	—		8-10 cm	Loose, storage	Good cold resistance. Fine shoulder. Very uniform.	50 g 10,000 precision	Organic 🌿	043041BS 043041BK
NORDIK 🍀	—		8-10 cm	Loose, storage	Good durability in cold weather. Thin neck. Very good uniformity. Sowing: Summer, autumn, harvest: winter	10,000 precision	Organic 🌿	043030BK
ROYAL CROWN F1 🍀	—		8-10 cm	Bunched, loose	Very high-yield, for autumn/winter harvest, very stable and robust during cool weather.	25,000 seeds	Untreated	043006NG
RUNDE WEISSE ROTKÖPFIGE	—		8-12 cm	Loose, storage	Robust variety for field cultivation and sugar beet; for canning in the autumn.	100 g	Untreated	043026NS
<b>Yellow</b>								
JAUNE BOULE D'OR	∴ —		8-10 cm	Loose, storage	Serrated foliage. Good cold resistance. For stews.	50 g 10,000 precision	Organic 🌿	043003BS 043003BK
<b>White</b>								
SNOWBALL	Λ ∩ ∴ —		7-8 cm	Loose, storage	Fast growth. Round, medium-sized tuber. Early sowing from January until March is possible under glass and from June to September in the open air.	50 g	Organic 🌿	043015BS
POLAR F1 🍀	Λ ∩ ∴ —		8-10 cm	Bunched, loose	Bolt- and burst-resistant turnip for all growing periods. Bright white, spherical beets with dark green, compact foliage. Excellent food quality, mild taste.	50 g 10,000 precision	Untreated	043051NS 043051NK

### Flat, round type

Varieties	Type of cultivation	Root		Use	Characteristics	Min Qty	Product type	Item no.
		Shape	Calibre (ø)					
DE MILAN ROUGE RACE AUDRIC 🍀	Λ ∩ ∴ —		7-8 cm	Bunched, loose	Early, very uniform variety. Compact, upright foliage with a fine root neck. Good bolt-resistance.	50 g 10,000 precision	Organic 🌿	043037BS 0430371BK
PLATTE WITTE MEI	—		6-7 cm	Loose, storage	Early variety with white flesh and green shoulder. For harvest in spring or autumn. Can be stored all winter.	50 g	Organic 🌿	043027BS
PETROWSKI	∩ ∴ —		6-8 cm	Bunched, loose	Very early. Excellent taste. For storage or early vegetables in a bunch.	50 g	Organic 🌿	043004BS
SCARLET QUEEN RED STEM F1**	∴ —		6-8 cm	Bunched	Flat, round beet, bright pink, white to pink flesh. Red-stemmed leaves.	50 g	Untreated	043049NS

\*\*Variety included in List d    Λ Glasshouse    ∩ Cold greenhouse    — Open field    ∴ Open field with foil

The above information is provided for informational purposes only and is not a guarantee



## Sweet potato plug plants

We offer you a tray of 84 organic plug plants from Hishtil (Israel) as rooted cuttings at the most important planting dates.

# Sweet potato Plug plants

*Ipomea batata*



**BEAUGARD**



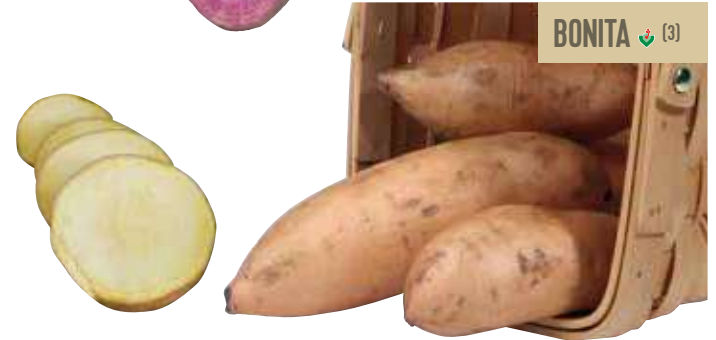
**ORLEANS** 🍷 (2)



**EVANGELINE** 🍷 (5)



**SAKURA** 🍷 (1)



**BONITA** 🍷 (3)



**MURASAKI 29** 🍷 (4)

Varieties	Colour		Shape	Characteristics	Development duration in days	Resistances
	Peel	Flesh				
<b>Orange pulp</b>						
<b>ORLEANS</b> 🍷 (2)	Red	Orange	Elliptical	The variety with the highest yields in southern Germany and Austria in the last two years; sorting result top amongst the varieties; dry matter content 22%.	90-95	IR: Si / R: Fo, Fs, R
<b>EVANGELINE</b> 🍷 (5)	Red-violet	Orange	Elliptical	Very aromatic and sweet; easy to harvest.	100-110	IR: Si, S / R: Fo, Fs, R, N
<b>BEAUGARD</b>	Red	Orange	Elliptical	Very uniform tubers.	90-95	IR: Si, S / R: Fo, Fs, R
<b>Diversification</b>						
<b>SAKURA</b> 🍷 (1)	Purple	Light purple	Elliptical	Novelty with light purple flesh and a good flavour.	110-120	HR: N / IR: Si; R: Fo, Fs, R
<b>BONITA</b> 🍷 (3)	Light brown pink	White	Elliptical	Good exterior quality, nutty aroma, dry matter content 29%.	90-95	HR: N / IR: Si, Fo
<b>MURASAKI 29</b> 🍷 (4)	Violet-red	White	Round, elliptical	A distinctly and intensely nutty flavour, very appealing compared with other varieties, without beta-carotene.	115-120	HR: N / IR: Si; R: Fo, Fs, R

These varieties are subject to plant variety protection law and are protected under licensing law as: (1) *Ipomea batatas* 'Sakura' COV (PBR EU 57953) (2) *Ipomea batatas* 'Orléans' COV (PBR EU 51936) (3) *Ipomea batatas* 'Bonita' COV (PBR EU 51934) (4) *Ipomea batatas* 'Murasaki 29' COV (PBR EU 51933) (5) *Ipomea batatas* 'Evangeline' COV (PBR EU 51932) The propagation of these varieties without a licence agreement is prohibited.



## Sweet corn

Whether for the fresh food market or industry, early or late, our product developers select the best genetics and match the demands of consumers and producers so that we can offer you a complete range of sweet corn. Discover our range.

# Sweet corn

*Zea mays saccharata*

**Sowing:**  
May/June

**Seed requirements:**  
50,000 to 60,000 seeds/ha

**Germination:**  
6-10 days  
minimum 15°C soil temperature



**Planting density:**  
20-28 x 70-100 cm



BAHA F1



SHINEROCK F1



GOLDEN BANTAM



MS VEGA F1



EARLYBIRD F1



GLACIAL F1

Varieties	Colour	Ripening period	Cob length	Kernel rows	Type	Resistances	Characteristics	Min Qty	Product type	Item no.
GOLDEN BANTAM	Yellow	—	20 cm	14-18	—	—	Historical variety, medium early, with large cobs. Plant height approx. 1.5 to 2 m. Excellent flavour. Suitable for short transport distances.	100 g	Organic	040009BS
BAHA F1	Yellow	71	21 cm	16-18	Sh2	HR: Ps	Very early sweet corn hybrid with lovely golden yellow cylindrical cobs with very good filling for the fresh food market and industry. Early variety, not suitable for heavy soils in the earliest sowing period for Western Europe.	1,000 seeds	Untreated	040107NG
EARLYBIRD F1	Yellow	68	19 cm	16	Sh2	IR: Bm	Leading variety in the segment, ideal for packaging, good top filling, earliest variety for the market, short, low plant.	1,000 seeds	Untreated	H40012NG
MS VEGA F1	Yellow	78	20 cm	16-18	Sh2	—	Medium late ripening variety with 18 kernels per ring. Uniform cobs fully filled to the tip. Extra sweet flavour. For the fresh food market and industry.	1,000 seeds	Untreated	040104NG
OVERLAND F1	Yellow	83	20 cm	18	Sh2	PS, ET, PST	Late, extra-sweet hybrid, good filling to the top. For both the industry and the fresh food market.	1,000 seeds	Untreated	H40017NG
SHINEROCK F1	Yellow	85	20 cm	18	Sh2	Bm, Ps, MDMV: A	Late, extra-sweet hybrid with dark golden yellow kernels. Strong plant with high yield potential.	1,000 seeds	Untreated	H40110NG
GLACIAL F1	White	82	20 cm	16-18	Sh2	IR: NCLB, SCLB, Ps	White, very shiny kernels. The colour remains even after harvesting. Good, sweet flavour.	1,000 seeds	Untreated	H40087NG

# Sweet corn popcorn

*Zea mays saccharata*

Variety	Colour	Ripening period	Characteristics	Min Qty	Product type	Item no.
CINEMA	Yellow	150 days	Yellow kernels. Very high yield. Excellent taste.	100 g	Organic	040095BS





## Bulb vegetables

One of the historical specialities at VOLTZ Maraîchage. Our secret? Day after day, we combine know-how and openness. Two elements that lead us to untiringly explore all the genetic richness that every plant species can offer us. In the end, there is only one goal: that all your requirements are met!

# Leek

*Allium porrum L.*

**Sowing:**  
February to early July

**Seed requirements:**  
· 200 to 350,000 seeds/ha  
· Seedling cultivation: 3 to 4 g/m<sup>2</sup>  
350-400 seeds/g

**Pre-cultivation:**  
10 to 14 weeks



**Germination:**  
9-12 days

**Planting density:**  
· 160,000 to 220,000 plants/ha  
· Row spacing 30-35 cm and 20 to 35 seeds per metre



GOSTAR F1



MAKO POWER F1



KRYPTON F1



PLUSTON F1



BGW FARINTO

Varieties	Production calendar	Leaf colour	Shaft length	Leaf arrangement	Characteristics	Min Qty	Product type	Item no.
VARNASTAR F1	J F M A M J J A S O N D	Light green	Very long	Semi-upright	Bulgarian giant for industrial and tray packaging, very long and upright.	1,000 precision	Untreated	H50141NK
WALKER F1	J F M A M J J A S O N D	Medium green	Very long	Upright	Bulgarian giant type, i.e. leek with long shaft; these types are very suitable for pre-packing and industry.	1,000 precision	Untreated	H50162NK
KRYPTON F1	J F M A M J J A S O N D	Dark blue-green	Medium length to long	Upright	Flexibly used variety with medium shaft length; strikingly high cleaning performance, very healthy, upright foliage.	1,000 precision	Organic	H50139BK
MAKO POWER F1	J F M A M J J A S O N D	Dark blue-green	Long	Upright	Dark leaf colour, medium shaft length, good resistance to diseases, easy to clean.	10,000 precision	Untreated	050024NK
HERBSTRIESEN 2/ HANNIBAL	J F M A M J J A S O N D	Blue-green	Short	Broad	For autumn and winter harvests. Medium-green, thick-shafted autumn leek. Very high yield. Suitable for the whole autumn season and into the winter.	2,500 precision 1 roll	Organic	050057BK 059206BP
BELTON F1	J F M A M J J A S O N D	Dark blue-green	Long	Upright	Long-shafted autumn hybrid. Recommended for harvesting from September until the first frost. Very productive and remarkably good cleaning performance.	1,000 precision 1,000 pills	Organic	H50126BK H50126BEV
GOSTAR F1	J F M A M J J A S O N D	Dark blue-green	Medium	Upright	Medium-length, firm shaft, easy to clean. Versatile in use, good field durability.	10,000 precision	Untreated	H50028NK
B.G.W. FARINTO	J F M A M J J A S O N D	Blueish dark green	Short	Broad	Good quality, combined with high yield and robustness over the winter. Dark green foliage, no bulb formation.	2,500 precision 1 roll	Organic	050090BK 059209BP
PLUSTON F1	J F M A M J J A S O N D	Blue-green	Medium length to long	Upright	Winter hybrid with above-average shaft length, very healthy foliage, good winter hardiness, suitable for storage.	1,000 precision	Organic	H50014BK

# Onion

*Allium cepa* L.

**Seed requirements:**  
250 seeds/g

**Pre-cultivation:**  
6 to 8 weeks

**Sowing:**  
Short days from late August until early September  
Long days from late February until mid-April

**Planting density:**  
20 to 30 seeds per metre.  
Row spacing: 25-35 cm  
3 kg / ha: 750,000 onions / ha

## Harvest maturity in onions

P00	Very early: from the beginning of August
P0	Early: mid-August
P1	Medium-early: end of August
P2	Medium-late: early September
P3	Late: mid-September

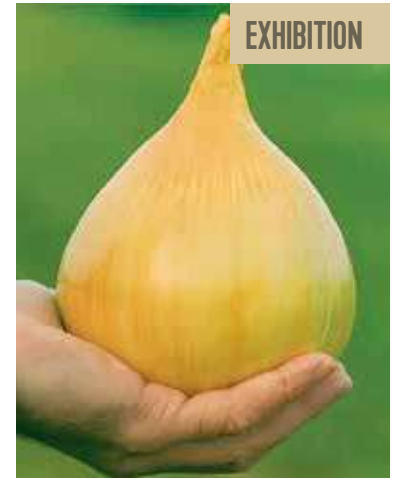
BRYO F1\*



PREDICTION F1



RIJNSBURGER 2 BINGO VARIETY



EXHIBITION



MILDEW

HYLANDER F1

Mildew resistance  
and shelf life



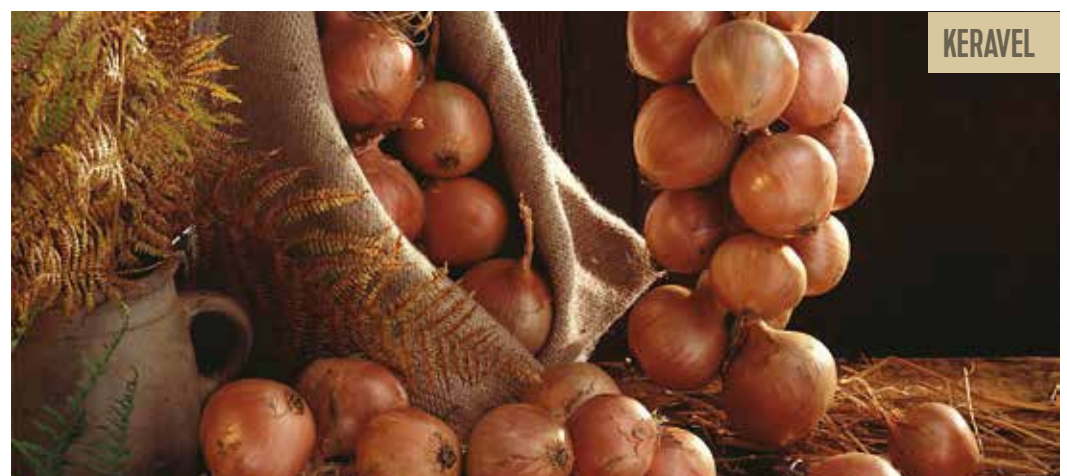
LUCA



JAUNE PAILLE DES VERTUS



HONEYMOON F1



KERAVEL







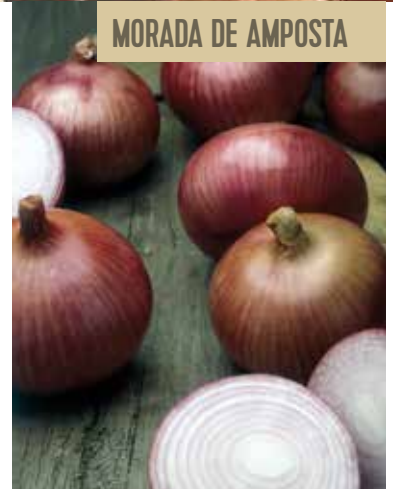
ROSSA LUNGA DI FIRENZE



RED CARPET F1



RED TIDE F1



MORADA DE AMPOSTA



REDLANDER F1



DARKO F1



RED BARON



RED SPRING F1

### Red onion - long days (Summer onion)

Varieties	Production calendar	Harvest maturity	Shape	Characteristics	Min Qty	Product type	Item no.
ROSSA LUNGA DI FIRENZE	J F M A M J J A S O N D	P00		Onion with intensely red peel. Mild and sweet flesh with an excellent taste. The onion is spindle-shaped with a medium-sized calibre. (Type: Rossa Lunga di Firenze).	25 g	Organic	044120BS
RED CARPET F1	J F M A M J J A S O N D	P2		Large red onion for medium-length storage; supplement to Exhibition.	10,000 precision	Untreated	H44226NK
RED TIDE F1	J F M A M J J A S O N D	P2		Early colouring already in the field, dark red interior colour, high peel quality, good shelf life; maturity group: medium-late, March.	10,000 precision	Untreated	H44227NK
MORADA DE AMPOSTA	J F M A M J J A S O N D	P2		Round, violet-red onion with a mild flavour. Good storage suitability.	25 g	Organic	044032BS
REDLANDER F1	J F M A M J J A S O N D	P2		Resistance to mildew. Red, round onion, suitable for long-term storage.	10,000 precision	Organic	H44229BK
DARKO F1	J F M A M J J A S O N D	P3		Medium-late American with a rapid red interior colouration. Very stable foliage, pronounced root system and high yield.	10,000 precision	Untreated	H44317NK
RED BARON	J F M A M J J A S O N D	P3		Best colour and shelf life, late maturing; maturity group: late; shelf life: April	10,000 precision	Organic	H44026BK

### Red onion - short days (Winter onion)

Variety	Production calendar	Harvest maturity	Shape	Characteristics	Min Qty	Product type	Item no.
RED SPRING F1	J F M A M J J A S O N D	Medium-early		Welsh onion hybrid with dark red colour.	10,000 precision	Untreated	H44318NK

Sowing Harvest P00: Very early: from the beginning of August PO: Early: mid-August P1: Medium-early: end of August P2: Medium-late: early September P3: Late: mid-September

# Echalion shallot

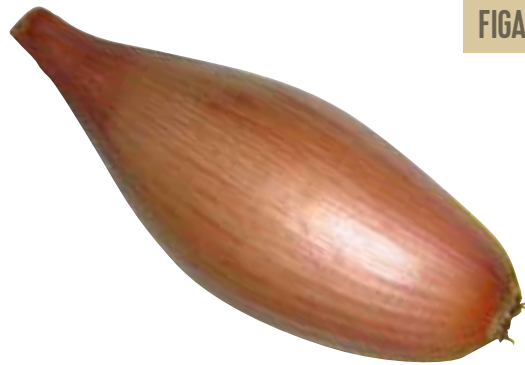
*Allium cepa L.*



## CULTIVATION ADVICE

### Sowing advice

Depending on the desired calibre, sow 55 to 88 seeds per metre.



FIGARO

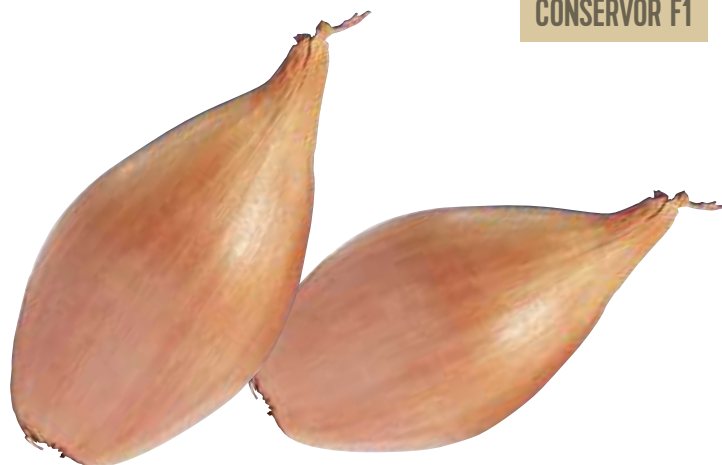


ZÉBRUNE

Varieties	Characteristics	Min Qty	Product type	Item no.
FIGARO	Slim, very long onion with copper-brown peel. Good bolt-resistance. Suitable for spring sowing. Good shelf life.	10,000 precision	Untreated	044029NK
ZÉBRUNE	Fine neck. Copper brown onion. Good bolt-resistance. Storage possible in cold storage room. Very high yield. For the fresh food market and industry. Taste between shallot and onion.	10,000 precision	Organic	044106BK

# Shallot

*Allium cepa L.*



CONSERVOR F1



## CULTIVATION ADVICE

### Sowing advice

Sow 80 seeds per metre, i.e. 1.8 to 2.5 million seeds/ha. The exact seed density depends on the desired calibre: for a calibre of

- 20-25 mm: sow 2.5 million seeds/ha
- 25-35 mm: sow 2 million seeds/ha
- 35-50 mm: sow 1.8 million seeds/ha

Variety	Characteristics	Min Qty	Product type	Item no.
CONSERVOR F1	Tall and round, typical French shallot, pink to shocking pink-coloured flesh.	1,000 precision	Organic	H44209BK

# Welsh onion - Bunching onion

*Allium fistulosum*



DARCY F1



DAMAST 



ERISTAR F1 



PARADE



RIBERY F1



ROBBEN F1



PREMIER



DE BARLETTA



TIIKA



APACHE



DALILA



WIN STAR



RACER F1



*Allium fistulosum*

Varieties	Characteristics	Min Qty	Product type	Item no.
<b>DARCY F1 (OR 5833)</b>	Very uniform welsh onion, dark blue-green leaves, long shaft, very healthy, can also be used as a substitute for chives (Welsh onion), no bulb formation.	10,000 precision	Untreated	H44300NK
<b>DAMAST</b> 🍀	Bunching onion with very dark green, taut upright foliage and strong, white shaft, high harvest performance through uniform sorting in the medium coarse segment and easy cleanability, compact growth type for the year-round outdoor season, very good field durability and field health, not hardy.	10,000 seeds	Untreated	O4429ONG
<b>ERISTAR F1</b> 🍀	Beautiful white-green separation, blueish leaf, resistant to thrips, year-round.	50 g	Untreated	O44274NS
<b>PARADE</b>	Height 40-50 cm. White, very high-yield bunching onion. Beautifully upright foliage.	10,000 precision	Organic 🌿	H58110BK
<b>RIBERY F1</b>	Medium-early summer variety with upright, stable foliage, high foliage health, also suitable for organic cultivation.	10,000 precision	Untreated	H44304NK
<b>ROBBEN F1</b>	Medium-early variety, very upright, stable and healthy foliage; therefore also suitable for dense sowing, very good cleanability, no bulb formation.	10,000 precision	Untreated	H44305NK

*Allium cepa*

Varieties	Harvester	Shape	Production calendar	Characteristics	Min Qty	Product type	Item no.
<b>PREMIER</b>	Early		J F M A M J J A S O N D Sowing: Apr-May, Aug-Sept; Harvest: Jun-Jul, Oct-Nov	Silver-white onion with a fine root neck.	25 g	Organic 🌿	O44048BS
<b>DE BARLETTA</b>	Early		J F M A M J J A S O N D Sowing: Apr-May, Aug-Sept; Harvest: Jun-Jul, Oct-Nov	Flat, round shape. Very nice onion. For candying.	50 g	Untreated	O44006NS
<b>TIPIKA</b>	Medium		J F M A M J J A S O N D Sowing: Apr-May, Aug-Sept; Harvest: Jun-Jul, Oct-Nov	Universal welsh onion for the whole growing season, very upright dark green foliage and late bulb formation; bulb formation: tall and round.	10,000 precision	Untreated	H44307NK
<b>APACHE</b>	Medium		J F M A M J J A S O N D Sowing: Apr-May, Aug-Sept; Harvest: Jun-Jul, Oct-Nov	Very beautiful red solid-coloured onion for summer cultivation; it was developed to supplement the market demand for a red bunching onion; can have failures in severe winters; bulb formation: tall and round.	10,000 precision	Untreated	H44299NK
<b>DALILA</b>	Late		J F M A M J J A S O N D Sowing: Aug-Sept; Harvest: Oct-Nov	Welsh onion with very dark green, upright foliage, very hardy; onion formation: tall and round.	10,000 precision	Untreated	H44059NK

*Allium cepa x fistulosum*

Varieties	Harvest maturity	Bulb formation	Production calendar	Characteristics	Min Qty	Product type	Item no.
<b>WIN STAR</b>	Very fast	None to tall and round	J F M A M J J A S O N D Sowing: Apr-May, Aug-Sept; Harvest: Jun-Jul, Oct-Nov	Allium cepa/fistulosum, very upright, dark foliage; the foliage remains healthy for a very long time; Win Star is suitable for spring and autumn sowing, has a very fast development and regenerates very quickly when the husks are frozen off in the winter.	10,000 precision	Untreated	H44308NK
<b>RACER F1</b>	Fast	None	J F M A M J J A S O N D Sowing: Apr-May, Aug-Sept; Harvest: Jun-Jul, Oct-Nov	Very fast, uniform welsh onion with very upright and extremely dark foliage.	10,000 precision	Untreated	H44302NK

🟡 Sowing 🟢 Harvest



## Bulb vegetable seedlings

A regularly updated range, with unique performance: size, yield, colouring and storage. Of course, the integration of the latest mould-resistant genetics should not be forgotten.

# Onion

*Allium cepa L.*

## Seedlings

CRUSADO F1



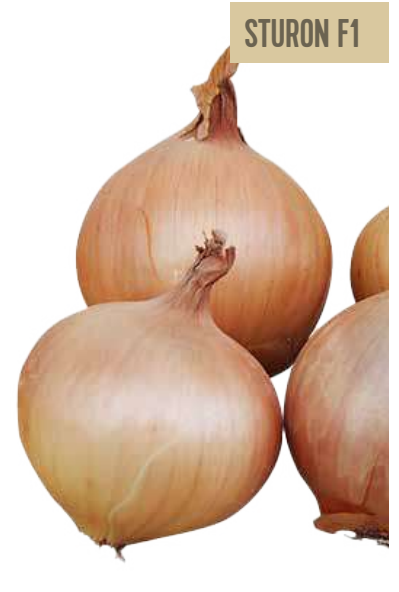
RED BARON



STUTTARTER RIESEN



STURON F1



### Summer onions for planting

Varieties	Characteristics	Smallest packet	Min Qty	Item no.
CRUSADO F1	Medium-early planting onion with high resistance to downy mildew, no early planting before mid-March (risk of bolting!).	1 kg	Untreated	8031720D
RED BARON	Very uniform onion set with excellent peel and colour, strongly developed root system, reliable yield, good storage suitability. IR: Pt.	1 kg	Untreated	8031640D
STUTTARTER RIESEN	Flat, round, yellow onion with long storage.	1 kg	Untreated	8031710D
STURON F1	Large, round, bolt-proof onion, firm skin and very long-lasting. Type: Rijnsburger. Skin colour: yellowish-brown. Onion shape: round. Pl	10 kg	Untreated	8031660D

# Shallot

*Allium cepa var. ascalonicum*

## Seedlings

Varieties	Characteristics	Smallest packet	Min Qty	Item no.
RED SUN	Round shallot with dark red tunic and pink flesh. Productive variety with excellent taste. Planting from February to April, harvest in July-August. Very suitable for winter storage.	10 kg	Untreated	8031700D



RED SUN

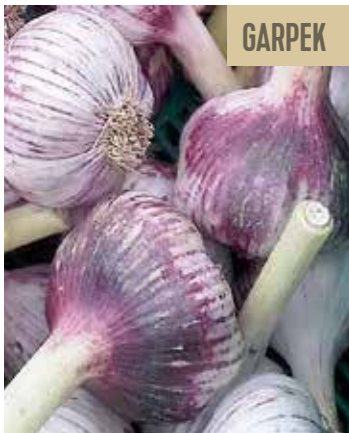
# Garlic

*Allium sativum*

## Seedlings



**GARDACHO**



**GARPEK**



**MESSIDOR**

Varieties	Characteristics	Min Qty	Product type	Item no.
<b>GARDACHO</b>	Virus-tested selection, for autumn planting in mid-late October, harvest June-July. Plant requirements: 1,000-1,200 kg/ha	1 kg	Untreated	-
<b>GARDOS</b>	Virus-tested selection for spring planting from the beginning to the end of March. Harvest from the end of June.	1 kg	Untreated	-
<b>GARPEK</b>	Virus-tested selection, for autumn planting in mid- to late October, harvest May to July.	1 kg	Untreated	-
<b>MESSIDOR</b>	High yields as green garlic and for dry harvest, very healthy; tuber weight up to 90 grams.	20 kg	Untreated	803126D
		5 kg		8031265D
<b>THERADOR</b>	High yields as green garlic and for dry harvest, very healthy; tuber weight up to 90 grams.	20 kg	Untreated	803073D
		5 kg		8030735D

# Wild garlic

*Allium ursinum*

## Seedlings



Varieties	Characteristics	Min Qty	Product type	Item no.
<b>WILD GARLIC</b>	Small onions are pre-cultivated in pots and sold in the spring.	100 units	Untreated	-





## Product range expansion

From flower meadows to green manure - at VOLTZ Maraîchage you will find all the extensions to the range that meet your needs.

# Cut flowers



SWEET WILLIAM



CHINESE ASTER



BLACK-EYED SUSAN



SUNFLOWER



ZINNIA



SPIDER FLOWER



## MARKETING TIP

Give the “pick your own” a try!

Complement your range by offering your customers a selection of seductive seasonal cut flowers.

Species	Cultivation cycle	Characteristics	Min Qty	Product type	Item no.
<b>SWEET WILLIAM</b> <i>Dianthus Barbatus</i>	Annual or perennial	Perennial garden flower, very popular and valued. For sunny locations. Colour mix for a lush flower (red-pink-white), height approx. 50 cm.	50 g	Organic	058279BS
<b>CHINESE ASTER</b> <i>Callistepus chinensis</i>	Annual	Excellent cut flower with good durability in the vase. To cultivate in beds, borders and in the garden. Simple, white, soft pink and purple flowers. Height approx. 80 cm.	50 g	Organic	058280BS
<b>BLACK-EYED SUSAN</b> <i>Rudbeckia hirta</i>	Annual	Rudbeckia is a flower from North America that blooms abundantly. Good flower for cutting and drying. Wait until the stem is hard enough to cut.	50 g	Organic	058281BS
<b>SUNFLOWER</b> <i>Helianthus annuus</i>	Annual	Dark yellow sunflower with a brown core, suitable for cutting. The plants can grow up to 1 m high and form numerous branches, with many flowers about 10 cm wide. Long, upright side shoots with good durability in the vase.	50 g	Organic	058282BS
<b>ZINNIA</b> <i>Zinnia elegans</i>	Annual	Easy to cultivate summer flower that grows 60 to 100 cm high. Mix in different shades of yellow, orange, red and shiny pink. Plentiful flowering.	50 g	Organic	058283BS
<b>SPIDER FLOWER</b> <i>Cleome spinosa</i>	Annual	Annual ornamental plant with large, decorative inflorescences. Blooms until autumn in pink, purple and white. Particularly suitable for fertile, sunny locations. Cut flower which achieves a beautiful effect as a group in a bed or in a pot.	50 g	Organic	058278BS

# Flower meadows



## CULTIVATION ADVICE

Promote the introduction and development of beneficial insects with our flower meadows!



**MÉLANGE ABEILLE** 🐝  
(BEE MIX)



**MÉLANGE FLEURS À COUPER**  
(CUT FLOWER MIX)



Blend	Requirement	Description	Composition	Min Qty	Product type	Item no.
<b>MÉLANGE ABEILLE</b> 🐝 (BEE MIX)	1-2 g/m <sup>2</sup>	This mix consists of herbs and flowering plants. An excellent food source for wild bees. No special soil requirements.	Buckwheat - cornflower - marigold - borage - dill - phacelia.	100 g	Organic 🌿	058637BS
<b>MÉLANGE FLEURS À COUPER</b> (CUT FLOWER MIX)	2-2.5g/m <sup>2</sup>	This mix offers a selection of 19 species which, due to their colours and heights, are the ideal flowers for the composition of farmer's bouquets. Sowing from April to June and harvesting from July to September, with heights of 60 cm to 1 m.	Zinnia, marigold, cornflower, knapweed, malope, cosmos, malve, annual centaury, Indian rose, daisy queen, baby's breath ...	100 g	Organic 🌿	058623BS

# Herbs for plant strengthening



**RUSSIAN COMFREY**



**TANSY**

Varieties	Botanical name	Quantity for 1,000 plants	Cultivation cycle	Sowing	Min Qty	Product type	Item no.
<b>RUSSIAN COMFREY</b>	<i>Symphytum officinale</i>	30 g	Perennial	March to June	10 g	Organic 🌿	058222BS
<b>TANSY</b>	<i>Chrysanthemum vulgare</i>	2 g	Perennial	March to June	10 g	Organic 🌿	058223BS

# Green manure and catch crops

As the name suggests, catch crops and green are cultivated grown between two main crops. The catch crop cultivation is both ecologically and economically sensible. Catch crops are used as green manure in horticulture.

Benefits of catch crop cultivation:

- Improvement of the soil condition through permanent shading
- Improvement of soil structure by adding humus
- Control of harmful organisms, e.g. nematodes
- Reduction in soil erosion due to soil cover
- Enrichment of soil with nitrogen in legumes
- Less leaching of nutrients, especially in deep rooters

Catch crop mixtures for horticulture, specially developed by us, all also suitable as greening measures:

## Field Pro MG 01



A special annual summer clover mixture; very neutral for all vegetable growing, less for lettuces

Seed rate: 12 kg/ha - Packaging size: 12 kg

Composition: 32% Alexandrine clover + 18% Phacelia + 50% Niger

## Field Pro MG 05

A special annual summer clover mixture as a nitrogen collector; very suitable for cabbage and lettuces

Seed rate: 20 kg/ha - Packaging size: 20 kg

Composition: 30% Alexandrine clover + 7% Phacelia + 43% Common vetch + 20% Persian clover

## Field Pro MG 07

A diverse mix of coarse and fine legumes; for lettuces, root vegetables and cabbage, less for beans and peas

Seed rate: 24 kg/ha - Packaging size: 24 kg

Composition: 10% Phacelia + 20% Peas + 20% Broad beans + 40% Alexandrine clover + 10% Persian clover

## Field Pro MG 08

Our most colourful blend: "Flowering Field Border"

Seed rate: 20 kg/ha - Packaging size: 20 kg

Composition: 6% Phacelia + 3% White radish + 15% Peas + 15% Summer vetch + 10% Persian clover + 15% Alexandrine clover + 10% Buckwheat + 3% Linseed + 4% Common bird's foot + 2% Sunflowers + 8% Broad beans + 4% Buttercup + 5% Niger



Field Pro MG 01

## Recommended individual seeds for green manure for horticulture:

### Alexandrine clover (*Trifolium alexandrinum*)

The tireless nitrogen collector!

Use: annual - seed rate: 30–35 kg/ha

Alexandrine clover is a very fast-growing summer clover. It needs a lot of warmth and sufficient humidity and can only tolerate a mild frost. In summer, use as a catch crop for green manure or as a feed producer; it also copes well with drought. If used all year round, it usually produces three strong cuts. It should be mown shortly before flowering.

### Radish (*Raphanus sativus*)

Sowing date: August to mid-September - height of growth: 20–30 cm - Row spacing: 15–20 cm - Seed rate 18–24 kg/ha - Sowing depth: 1–2 cm - Fertilisation: 120 kg N. Radish is mainly used in catch crop cultivation for green manure.

The fast-growing, harmless catch crop plant covers the soil very quickly and thus optimally suppresses weeds and promotes soil condition. The strong and deep root system of the radish opens up the soil very well. Radish thrives in almost all locations.

### Phacelia (*Phacelia tanacetifolia*)

The neutral one in all directions!

Sowing date: August to mid-September - height of growth: 20–60 cm

Row spacing: 15–20 cm - Seed rate 10–15 kg/ha - Sowing depth: 1–2 cm - Fertilisation: 120 kg N. Phacelia is not related to any other cultivated crop. It is therefore best suited as a catch crop before sugar beets, as it behaves neutrally against beet nematodes. Phacelia is fast-growing, relatively undemanding and develops large quantities of green and dry root mass with intensive rooting in a short time. It dies even with mild degrees of frost and is therefore suitable as a winter vegetation cover for optimal erosion protection without problems of second growth. Phacelia provides fast and dense soil cover and thus suppresses weeds. Phacelia blooms beautifully blue and is highly appreciated by beekeepers as a bee pasture.

### Niger

A plant in the daisy family that is not related to any other major crop!

Seed rate: 8–10 kg/ha - Packaging size: 10 kg. Niger develops quite quickly and suppresses the weeds really well. Niger is a herbaceous plant that can grow to a height of about 1 metre as a catch crop. Niger is drought-tolerant and can be combined well with other catch crops. Niger hardly lignifies and freezes off safely. Niger leaves a slightly rotting, delicate stem mass, ideal for mulch seeding.

We keep all the common individual seeds from our agricultural range in stock for you: Sorghum, Clover, Crimson clover, Summer vetch, Radish, Mustard seed, Pea-vetch mix etc.

We are also a certified company and are happy to supply you with catch crop seeds and green manure seeds for organic cultivation, but we ask for

orders in good time.

Ask our sales force for red clover, alfalfa, white clover, German willow grasses, fodder beet in normal seeds or pill seeds. We offer you a rich selection from our wide range of field seeds!

# Accessories

## Rubber rings

For bundling root vegetables and herbs!

High-quality goods, made in Germany.

95% transparent crêpe! The high rubber content guarantees the greatest and most reliable elasticity!

Our rubber rings are ideally suited as simple packing rings, for bundling cuttings, for vegetable bunches such as carrot, radish, asparagus etc., packed in 1 kg polybags or in the original 10 kg box.

### Example uses of rubber rings:

15 x 1.5 mm for smaller herb bunches

20 x 1.5 mm for chives + parsley + dill + rocket

25 x 1.5 mm for slightly larger herb bunches + radish

30 x 1.5 mm for large herb bunches + radish

40 x 1.5 mm for radish + black radish

50 x 1.5 mm for leek + bunches of soup vegetables

### WIDE rubber bands!

40 x 4 mm for carrots

50 x 3 mm for black radish + leek + bunches of soup vegetables

60 x 6 mm for rhubarb

80 x 8 mm

120 x 8 mm

### Other examples from our range:



## Crop cover net - the tight-meshed one! RANTAI type S48

The complementary, tighter mesh type against pests in the event that the K type is not effective enough or satisfactory, such as with

- flea beetles – careful side sealing required
- leek leaf miner fly – the increasingly prevalent pest

is reliably kept away by RANTAI S48

- also available in amateur packaging (2.10m x 4.75m and 3.66m x 10m) 100% polybag, mesh approx. 0.8 x 0.8 mm, thread thickness approx. 0.19 mm. With this

combination of similar ventilation and light transmission values as with the RANTAI K, therefore also applicable as with the K type (for cabbage species, black radish etc.), but improved defensive effect everywhere where RANTAI K is only partially effective, for example with swede midges, weevils, lice etc.

Available dimensions:

Width in cm: 183/210/366/410/560/720/860/1010/1080/1260

Lengths in m: 100/125



Pigeon protection net

## Biorette 25 mesh insect repellent net (similar to RANTAI type S48)

Sizes: 2m x 200m, 3m x 200m, 4m x 200m

Other sizes on request

## Early crop and frost protection fleeces

Fleece type 19 g, the more robust version, production weight 19 g/m<sup>2</sup>, white, thermally solidified PP fibre fabric, UV-stabilised, for early harvesting and yield improvement, protection against cold frosts; available in widths from 1.60 m to 20.10 m.

Standard roll lengths 100 m and 250 m, other lengths on request

Textile 40 cm wide edge reinforcement, widths from 5.50 m.

Pure grade product due to PP extrusion welding seam.

Width in cm: 160/240/320/400/470/550 only in 17 g quality

In 17 g + 19 g: 640/700/800/850/960/1050/1100/1150/

1200/1275/1300/1345/1515/1600

Widths over 16 m on request!

## Bionov organic mulch foil

Bionov is a biodegradable mulching foil that is produced with Mater-Bi from renewable raw materials and which prevents the development of weeds. This foil decomposes completely organically and thus cleanly and easily solves complex waste disposal.

Organic mulching foil 15 my width 1 m/roll length 1,000 m

Organic mulching foil 15 my width 1.40 m/roll length 1,500 m

Organic mulching foil 17 my width 1 m/roll length 1,000 cm

## CONTEX fabric tape

Bubble wrap

Made of polypropylene, approx. 105 g/m<sup>2</sup>, UV-stabilised, black, square markings, water permeable, durable base for container storage areas.

Roll length: 100 m

Widths: 100/125/150/165/210/330/420/525 cm

## CONTEX fabric tape, perforated

Made of polypropylene, approx. 105 g/m<sup>2</sup>, UV-stabilised, black, with cross slot

perforation in the middle; hole spacing: 25 x 25 cm, or special perforation

Width: 165 cm, roll length: 100 m

## Pigeon protection nets

This extruded net, where the meshes cannot be moved, is a very effective and environmentally friendly protection against bird feeding and wild animal browsing damage. Practitioners also report good protection against hailstorms.

Mesh size: approx. 7 mm, weight: approx. 18 g/m<sup>2</sup>. Quality: UV-stabilised!

Colour: black

Standard dimensions (width x length):

4 m x 100 m 12 m x 125 m

8 m x 125 m 14 m x 125 m

10 m x 125 m 16 m x 125 m

Special widths up to 22 m are possible on request!

# Accessories (continued)



## TONKIN STAKES

- In different lengths and thicknesses
- Hold your plants firm and straight



## CARNATION RINGS

- in different sizes
- for attaching your plants to the stake

## STRING - ORGANIC STRING

- for tomatoes, cucumbers, sweet peppers and egg-plants
- makes attaching your plants easier on tension wire
- 8 m long string
- 5 kg = 3,150m



## CLIPS

- for tomatoes, cucumbers, sweet peppers and eggplants
- Planters, pots, water pallets
- Diameter 22 mm

# Sowing machines for horticulture

## SINGLE-GRAIN SEED DRILL AHS 120/220

The handy pneumatic single grain seeder!

- with battery-powered suction/pressure blower
- meets the high requirements of modern professional vegetable cultivation
- is easy to use and specially designed for naked or pilled vegetable seeds up to a calibre of approx. 3.5 mm
- Weight 13.1 kg



## SEMBDNER SMALL SEEDER K1

Makes work easier!

- always at hand
- easy to use
- tried and tested for years

This single-row small seeder with an adjustable handle holder and two seed shafts A and B for different seed sizes and sowing quantity/density is ideally suited for fast sowing in the greenhouse or early bed.

# Plant labels

## Promote your sales with colourful plant labels!

- Improve your product presentation.
- Intensify and facilitate your customer advice.
- Present yourself and your company as a high-quality specialist company.

Further information on request from your representative

Physalis Schönbrunner Gold  
Eggplant Kaberi F1  
Eggplant Moneymaker F1  
Eggplant Moretta F1  
Eggplant Purpita F1  
Batavia green  
Batavia red  
Summer savory  
Oakleaf lettuce green  
Oakleaf lettuce red  
Iceberg lettuce  
Endives  
Peanut (*Arachis hypogaea*)

Cucumber Bettanis F1  
Cucumber Corinto F1  
Cucumber Darina F1  
Cucumber Diamond F1  
Cucumber Iznik F1  
Cucumber Khassib F1  
Cucumber Marketer  
Cucumber Maxwell F1  
Cucumber Lunchbox F1  
Cucumber Lunchbox F1 refined  
Cucumber Quarto F1  
Cucumber Rocky F1  
Cucumber Sonja  
Cucumber Vigorex F1  
Cucumber Vigorex F1 refined  
Lettuce green  
Lettuce red  
Squash Aspen  
Squash Early Butternut  
Pumpkin Large Yellow Hundred-weight  
Squash Hokkaido  
Squash Indian Mix  
Pumpkin Muscat de Provence  
Pumpkin Orange Summer F1  
Squash Butternut Victory F1

Melons (water, mini, nearly seedless)  
Melon Bari F1  
Melon Top Gun F1

Sweet Pepper Snacking red F1  
Sweet Pepper Campari F1  
Sweet Pepper Century F1  
Sweet Pepper Charlotte F1  
Cayenne Pepper F1  
Sweet Pepper Dolmy F1  
Sweet Pepper Evita F1

Sweet Pepper Bell Pepper  
Sweet Pepper Habanero Gelb  
Chilli Pepper Habanero Red  
Sweet Pepper Ilny F1  
Sweet Pepper Jackpot F1  
Pepper Jalapeño  
Sweet Pepper Snacking orange F1  
Sweet Pepper Mavras F1  
Sweet Pepper Neusiedler Ideal  
Sweet Pepper Olly F1  
Sweet Pepper Palladio F1  
Sweet Pepper Paripa F1  
Sweet Pepper Pirouet F1  
Sweet Pepper Pusztgold  
Sweet Pepper Quadrus F1  
Sweet Pepper Sahem F1  
Sweet Pepper Tequila F1  
Sweet Pepper Snacking yellow F1  
Sweet Pepper Yecla F1

Hot Pepper Basket of Fire  
Hot Pepper Cayenetta  
Hot Pepper AS  
Hot Pepper Hot Chocolate  
Hot Pepper Mild Spiral  
Hot Pepper Naga Morich  
Hot Pepper Peter Red Pepper  
Hot Pepper Picasso F1  
Hot Pepper Thai Chilli

Leaf Lettuce Lollo Bionda  
Radicchio  
Romana green  
Red cabbage  
Rocket  
Salanova green  
Salanova red  
Edamame

Tomato Appleberry Red F1  
Tomato Appleberry Yellow F1  
Tomato Arawak F1  
Tomato Bambello Orange F1  
Tomato Bauna F1  
Tomato ROSE DE BERNE  
Tomato Bolzano F1  
Tomato Campari F1  
Tomato Carmello F1  
Tomato Choney F1  
Tomato Cindel F1  
Tomato Cookie F1  
Tomato Cristal F1

Tomato Dunne F1  
Tomato Edioso F1  
Tomato Fleurette F1  
Tomato Funtelle F1  
Tomato Giano F1  
Tomato Izmir F1  
Tomato Kremser Pearl  
Tomato Limoncito F1  
Tomato Luana F1  
Tomato Onuba F1  
Tomato OR Corno  
Tomato Oskar F1  
Tomato Pannovy F1  
Tomato Patio Black  
Tomato Patio Red  
Tomato Patio Yellow  
Tomato Pepe F1  
Tomato Phantasia F1  
Tomato Philovita F1  
Tomato Piccadilly F1  
Tomato Rico Fiorentino  
Tomato Roney F1  
Tomato Rugantino F1  
Tomato Sacher F1  
Tomato Seviocard F1  
Tomato Skate F1  
Tomato Sparta F1  
Tomato Star Gold F1  
Tomato Sungold F1  
Tomato Supersweet 100 F1  
Tomato Supersweet 100 F1veredelt  
Tomato Sweet Million F1  
Tomato Tiger F1  
Tomato US 1503 F1 (Tomamini Red)  
Tomato Trilly F1  
Tomato Umamini F1  
Tomato Kajsja Sweet F1 (US 1509)  
Tomato Yoney F1

Watermelon F1  
White cabbage

Zucchini Black Forrest F1  
Zucchini Caprice F1  
Zucchini Diamond  
Zucchini EasyPick Gold II F1  
Zucchini EasyPick Green F1  
Zucchini Gold Rush  
Zucchini Golden Glory F1  
Zucchini Patio Star F1  
Zucchini Rhodos F1  
Zucchini Satellite F1

Zucchini Summer BI F1  
Zucchini Sunburst F1  
Zucchini Sunstripe F1

Basil green  
Basil Pesto Perpeto  
Basil Piccolino  
Basil red  
Basil Thai  
Red-veined sorrel  
Savory annual  
Borage  
Dill  
Tarragon  
Chervil  
Coriander  
Lovage  
Marjoram  
Marjoram longer lasting  
Parsley smooth  
Parsley curly  
Peppermint green  
Burnet Saxifrage/Pimpinella  
Sage  
Chives  
Chives/Garlic  
Sweetleaf Stevia  
Thyme  
Hyssop  
Lemon basil  
Lemon balm



# Fertiliser recommendations

This table gives general recommendations for fertiliser necessary for average yields.

Of course, these must be adjusted according to the type of cultivation and the desired yields.

We are always looking for improvements and new genetics which have lower fertilisation requirements while maintaining performance.

SPECIES	N	P	K
ARTICHOKE	150	30	270
BEANS	25	40	130
BROAD BEANS	120	60	100
BROCCOLI	280	80	150
BRUSSELS SPROUTS	280	20	70
CARROTS	150	50	170
CAULIFLOWER	180	60	240
CELERIAC	150	100	200
CELERY	220	130	250
CHICORY	50	30	100
CHINESE CABBAGE	150	60	150
CORN SALAD	30	15	50
CUCUMBERS	150	100	300
CUCUMBER GREENHOUSE	150	150	350
EGGPLANTS	200	70	200
ENDIVES	60	40	150
FENNEL	100	50	160
KOHLRABI	150	60	200
LEEK	180	80	200
LETTUCE	80	60	200
MELONS GREENHOUSE	150	60	300
MELONS OPEN FIELD	90	40	180
ONION	110	70	130
PARSLEY	70	100	110
PARSLEY ROOT	100	100	220
PARSNIP	200	100	220
PEAS	60	100	150
RADISH	70	50	100
RED BEETS	140	60	200
SPINACH	150	60	220
SWEDE	70	60	110
SWEET CORN	150	100	150
SWEET PEPPERS/HOT PEPPERS	200	70	200
SWISS CHARD GREENHOUSE	220	150	400
SWISS CHARD OPEN FIELD	150	60	220
TOMATO GREENHOUSE	200	100	350
TOMATO OPEN FIELD	70	50	100
TURNIPS	80	40	140
WATERMELONS	160	170	250
ZUCCHINI GREENHOUSE	200	110	500
ZUCCHINI OPEN FIELD	120	60	100



# Sowing recommendations

Species	Number of seeds per gram	Seed requirements per hectare				Average distance between plants Between the rows x per row in cm	Number of plants per hectare (approx.)
		Direct sowing		Pre-cultivation by growing seedlings			
		Normal seed	Precision or pills	Normal seed	Number of plants obtained from 1 g of seed		
BEAN	2-6	50-120 kg	-	-	-	50-70 x 5-7	250,000-300,000 75,000 Tufts with 3 plants
BLACK RADISH	80-120	2.5-5 kg	250,000-500,000	-	-	30-40 x 5-10	200,000-450,000
BROAD BEAN	0.5	450-500 kg	-	-	-	40-50 x 15-20 or 50 x 25-30	100,000-300,000
CABBAGE (BRUSSELS SPROUTS)	350	-	-	220-320 g	110-120	60-70 x 50-60	25,000-35,000
CABBAGE (CAULIFLOWER AND BROCCOLI)	150-250	-	-	180-250 g	90-100	70-90 x 50-90	10,000-25,000
CABBAGE (CHINESE CABBAGE) (PE-TSAI)	350	5 kg	-	600-900 g	120-150	40-50 x 25-35	
CABBAGE (KOHLRABI)	250	-	-	-	100	25-30 x 25-30	
CABBAGE (SAVOY CABBAGE)	300	-	-	200-350 g	120-130	50-65 x 50-60	25,000-40,000
CABBAGE (WHITE AND RED CABBAGE)	300	-	-	200-400 g	120-130	40-65 x 40-60	25,000-50,000
CARDY	25	1.5-2 kg	-	-	-	110-130 x 70-90	8,000-12,000 Tufts with 2 plants
CARROT	500-1,000	2-2.5 kg	1.2-2.2 million	-	-	20-50 x 1.2-2 (wide row)	1,100,000-1,600,000
CELERY	2,500	-	-	120-150 g	1,000-1,200	30-40 x 25-30	90,000-120,000
CELERY (CELERIAC)	2,800	-	-	60-80 g	1,000-1,200	50-60 x 40-50	40,000-50,000
CHERVIL	400-500	40-50 kg	-	-	-	20-30 x 1.5 (wide row)	
CHICORY	600-700	0.8-1.2 kg	300,000-400,000	-	-	35-45 x 7-10 or 65-70 x 7-10 (2 twin rows of 10 cm)	200,000-250,000
CORN SALAD LARGE SEEDS	300-500	-	5-6 million	-	-	8-15 x 1.5-2 (in rows) 15-20 x 1.5-2 (wide row)	4-5 million
CORN SALAD SMALL SEEDS	700-1,000	10-12 kg	5-6 million	-	-	8-15 x 1.5-2 (in rows) 15-20 x 1.5-2 (wide row)	4-5 million
CRESS (SMALL-LEAVED)	500	600-800 kg	-	-	-	-	
CUCUMBER (PLICKLING CUCUMBER)	45	0.5-0.8 kg	-	500-800 g	30-40	150-180 x 30-60	15,000-20,000
CUCUMBER GLASSHOUSE	35	-	-	10,000-18,000 seeds	25-30	120-150 x 60-70	10,000-14,000
CUCUMBER OPEN FIELD	35	600-700 g	-	450-500 g	25-30	130-150 x 50-60	13,000-16,000
DANDELION	900-1,700	2-2.5 kg	-	-	-	35-40 x 10	
EGGPLANTS	220-250	-	-	200-220 g	100-120	75-110 x 50-60	16,000-22,000
ENDIVE (CURLY)	500-600	1-1.2 kg	80,000-150,000	350-400 g	200-250	30-60 x 35	50,000-120,000
ENDIVE (SMOOTH-LEAVED)	500-600	1-1.2 kg	80,000-150,000	350-400 g	200-250	30-60 x 35	50,000-80,000
FENNEL	200	-	-	-	150-180	35-50 x 15-25	90,000-150,000
LEAF CELERY	300	20 kg	-	-	-	-	
	350-400	-	-	1.2-1.5 kg or 250,000-320,000	140-160	60-70 x 8-11 (sowing + pricking)	150,000-250,000
LEEK		1.5-2.5 kg	400,000-500,000	Precision	-	60-70 x 6-7 (direct sowing)	
		2.5-3 kg	600,000-750,000	-	-	30-35 x 6-8	
LETTUCE (OUTDOOR CROP)	800-1,000	-	100,000-130,000	-	500-600	30-35 x 30	90,000-120,000
LETTUCE (PROTECTED CULTIVATION)	800-1,000	-	150,000-170,000	-	500-600	25-30 x 25	140,000-160,000
MELONS	30-35	-	9,000-15,000	500-600 g	25-30	150-200 x 40-70	8,000-20,000
ONION (COLOURFUL)	250	4-5 kg	1-1.4 million	-	-	30-40 x 3-4	650,000-750,000
ONION (WHITE)	250	6-7 kg	-	-	140-160	25-35 x 3-5	1,000,000-1,300,000
PARSLEY	600-700	3-5 kg	-	-	-	25-35 x 3-5	500,000-1,200,000
PARSLEY ROOT	850	1-1 kg	750,000-850,000	-	-	30-40 x 3-3.5	650,000-750,000
PARSNIP	220	1.5-3 kg	300,000-450,000	-	-	-	
PEAS	3-6	120-180 kg	350,000-600,000	-	-	50-70 x 2-3	-
RADICCHIO - SUGARLOAF CHICORY	550-700	1.2-1.5 kg (in rows)	-	-	-	25-30 x 15-20	180,000-250,000
RADISH (GLASSHOUSE)	80-120	30-40 kg	4-4.5 million	-	-	7 x 28 to 32 seeds/metre or 15 x 50 to 60 seeds/metre	3.5 million
RADISH (OPEN FIELD)	80-120	40-60 kg	5-6 million	-	-	7 x 35 to 40 seeds/metre or 15 x 60 to 70 seeds/metre	4.5 million
RED ROOT	50-70	6-8 kg	400,000-600,000	-	-	35-50 x 4-6	500,000-720,000
SALSIFY	75-90	8-10 kg	-	-	-	25-30 x 8-10	500,000-600,000
SQUASH (PUMPKIN)	4-8	3.5-5 kg	-	2.5-3 kg	3-4	180-200 x 60-70	7,000-9,000
SORREL	450	3-3.5 kg	-	1-1.2 kg	300	25-30 x 10-15	250,000-300,000
SPINACH	100	6-9 kg	600,000-1,000,000	-	-	20-40 x 6-10	300,000-500,000
SWEET CORN	5-10	-	50,000-60,000	-	-	70-100 x 20-25	50,000-70,000
SWEET PEPPERS - HOT PEPPER	120-150	-	-	250-300 g	100-110	120-200 x 40-50	20,000-25,000
SWISS CHARD	60-90	2-2.5 kg	50,000-70,000	2-2.5 kg	20-25	60-70 x 30-35	40,000-50,000
TOMATO (OUTDOOR CROP)	250-300	-	-	-	180-200	100-150 x 50-70	12,000-25,000
TOMATO (GLASSHOUSE)	250-300	-	-	-	180-200	80-100 x 30-60	20,000-25,000
TURNIPS	400-600	1.5 kg	700,000-800,000	-	-	15-35 x 5-10	500,000-800,000
WATERMELON	20-30	0.6-1.4 kg	-	350-750 g	7,500-15,000	150-200 x 60-80	6,000-12,000
ZUCCHINI	5-8	3.5-5 kg	-	2.5-3.5 kg	5-6	120-150 x 40-60	10,000-20,000

# Resistances & diseases

ABBREVIATION	PATHOGEN	ENGLISH NAME	SCIENTIFIC NAME	SPECIES AFFECTED
<b>Eel</b>	Fungus	Alternaria leaf spot disease	<i>Alternaria alternata</i> f. sp. <i>lycopersici</i>	<i>Solanum lyc.</i>
<b>Ad</b>	Fungus	Alternaria leaf spot disease	<i>Alternaria dauci</i>	<i>Daucus</i>
<b>Ag</b>	Aphid	Green cucumber aphid (VAT gene)	<i>Aphis gossypii</i>	<i>Cucumis melo</i> L.
<b>BCMV</b>	Virus	Bean common mosaic virus	Bean common mosaic virus	Haricot bean
<b>BI 16-37EU</b>	Fungus	Downy mildew	<i>Bremia lactucae</i>	<i>Lactuca sativa</i>
<b>BLRV</b>	Virus	Pea leaf roll virus	Pea leaf roll virus	Pea
<b>Cc</b>	Fungus	<i>Cercospora</i> leaf spot	<i>Cercospora carotae</i>	Carrot
<b>Cca</b>	Fungus	Leaf blight	<i>Corynespora cassicola</i>	<i>Cucumis sativus</i>
<b>Ccu</b>	Fungus	Cucumber scab	<i>Cladosporium cucumerinum</i>	<i>Cucumis sativus</i>
<b>Cg</b>	Fungus	Anthracnosis	<i>Colletotrichum graminicola</i>	<i>Zea mays</i>
<b>CGMMV</b>	Virus	Cucumber Green Mottle Mosaic Virus	Cucumber green mottle mosaic virus	<i>Cucumis melo</i> L., <i>Cucumis sativus</i>
<b>Cl</b>	Fungus	Anthracnosis	<i>Colletotrichum lindemuthianum</i>	Haricot bean
<b>CMV</b>	Virus	Cucumber Mosaic Virus	Cucumber mosaic virus	<i>Cucumis sativus</i> , <i>Cucurbita pepo</i> , <i>Cucumis sativus</i> , <i>Capsicum annuum</i> , <i>Cucumis melo</i> L.
<b>Co</b>	Fungus	Anthracnosis	<i>Colletotrichum orbiculare</i> (ex <i>lagenarium</i> )	<i>Cucumis sativus</i>
<b>CVYV</b>	Virus	Cucumber Vein Yellowing Virus	Cucumber Vein Yellowing Virus	<i>Cucumis sativus</i>
<b>CYSDV</b>	Virus	Cucurbit yellow stunting disorder virus	Cucurbit yellow stunting disorder virus	Cucumber, melon
<b>Ep</b>	Fungus	Powdery mildew	<i>Erysiphe pisis</i>	Peas
<b>Foc</b>	Fungus	Fusarium	<i>Fusarium oxysporum</i> f. sp. <i>Conglutinans</i>	Brassica
<b>Fol 1, 4</b>	Fungus	Fusarium wilt (F1)	<i>Fusarium oxysporum</i> f. sp. <i>Latucae</i>	<i>Lactuca sativa</i>
<b>Fol 0,1,2 FO(US1), F1(US2), F2(US3)</b>	Fungus	Fusarium wilt (FO, 1, 2, 1.2)	<i>Fusarium oxysporum</i> , f. sp. <i>lycopersici</i>	<i>Solanum lyc.</i>
<b>Fom 0, 1, 2, 1.2</b>	Fungus	Fusariosis (FO, 1, 2, 1.2)	<i>Fusarium oxysporum</i> f. sp. <i>melonis</i>	<i>Cucumis melo</i> L.
<b>Fom</b>	Fungus	Fusarium wilt	<i>Fusarium oxysporum</i> f. sp. <i>melongenae</i>	<i>Solanum melongena</i>
<b>Fop</b>	Fungus	Fusarium wilt	<i>Fusarium oxysporum</i> f. sp. <i>Pisi</i>	Peas
<b>For</b>	Fungus	Fusarium wilt (FORL)	<i>Fusarium oxysporum</i> , F. sp. <i>radicis lycopersici</i>	<i>Solanum lyc.</i>
<b>Gc</b>	Fungus	Powdery mildew	<i>Golovinomyces cichoracearum</i> variety 1	<i>Cucumis melo</i> L.
<b>LMV</b>	Virus	Lettuce mosaic virus	Lettuce mosaic virus	<i>Lactuca sativa</i>
<b>Ma, Mi, Mj</b>	Nematode	Nematodes	<i>Meloidogine incognita</i> (Mi), <i>M. arenaria</i> (Ma) & <i>M. javanica</i> (Mj)	<i>Solanum lyc.</i>
<b>MDMV</b>	Virus	Maize Dwarf Mosaic Virus	Maize Dwarf Mosaic Virus	<i>Zea mays</i>
<b>MNSV</b>	Virus	Melon necrotic spot virus	Melon necrotic spot virus	Melon
<b>No.(0)</b>	Aphid	Lettuce aphid	<i>Nasonovia (ribisnigri)</i> , variety O	<i>Lactuca sativa</i>
<b>NCLB and SCLB</b>	Fungus	Northern leaf blight	<i>Helminthosporium turcicum</i>	<i>Zea mays</i>
<b>On</b>	Fungus	Powdery mildew	<i>Oidium neolycopersici</i>	<i>Solanum lyc.</i>
<b>Pb</b>	Aphid	Lettuce root aphid	<i>Pemphigus bursarius</i>	<i>Lactuca sativa</i>

ABBREVIATION	PATHOGEN	ENGLISH NAME	SCIENTIFIC NAME	SPECIES AFFECTED
<b>Pbb</b>	Fungus	Downy mildew	Peronospora Belbahrii	Basil
<b>Pcu</b>	Fungus	Downy mildew	Pseudoperonospora cubensis	Cucumis sativus
<b>Pe 1 - 17</b>	Fungus	Downy mildew	Peronospora farinosa f. sp. spinaciae	Spinach
<b>Pf A-E</b>	Fungus	Tomato leaf mould	Passalora fulva (ex Cladosporium fulvum)	Solanum lyc.
<b>Pi</b>	Fungus	Herb and fruit blight	Phytophthora infestans	Solanum lyc.
<b>PI</b>	Fungus	Corky root	Pyrenochaeta lycopersici	Solanum lyc.
<b>PMMoV</b>	Virus	Pepper mild mottle virus	Pepper mild mottle virus	Sweet pepper
<b>Pp</b>	Fungus	Downy mildew	Plasmopara petroselini	Parsley
<b>PRSV</b>	Virus	Papaya Ringspot Virus	Papaya ringspot virus	Cucumis sativus
<b>Psr</b>	Bacterium	Late wilt	Pantoea stewartii	Zea mays
<b>Pst</b>	Bacterium	Bacterial speck	Pseudomonas syringae pv tomato	Solanum lyc.
<b>PVY</b>	Virus	Potato Y Virus (O,1,1-2)	Potato Y virus	Capsicum annum
<b>Ps</b>	Fungus	Corn rust	Puccinia sorghi	Zea mays
<b>Pss</b>	Bacterium	Halo blight	Pseudomonas syringae pv syringae	Pea
<b>Psp</b>	Bacterium	Halo blight	Pseudomonas savastanoi phaseolicola	Haricot bean
<b>Px 1, 2, 3, 5, 3.5</b>	Fungus	Powdery mildew	Podosphaera xanthii	Cucumis melo L.
<b>Px</b>	Fungus	Powdery mildew	Podosphaera xanthii	Cucumis sativus, Cucurbita pepo
<b>Sp</b>	Fungus	Septoria	Septoria petroselini	Parsley
<b>Ss</b>	Fungus	Stemphylium leaf spot disease	Stemphylium solani	Solanum lyc.
<b>TBSV</b>	Virus	Tomato bushy stunt virus	Tomato Bushy Stunt Virus	Lactuca sativa
<b>TeV</b>	Virus	Tobacco etch virus	Tobacco etch virus	Sweet pepper
<b>Tm 0/0, 1/0-2/ 0-3</b>	Virus	Tobacco mosaic virus	Tobacco mosaic virus (ToMV, TMV, PMMoV, TMGMV, PaMMV)	Capsicum annum
<b>TMV</b>	Virus	Tobacco mosaic virus	Tobacco mosaic virus	Sweet pepper, tomato
<b>ToMV 0, 1, 2</b>	Virus	Tomato mosaic virus	Tomato mosaic virus	Solanum lyc.
<b>TSWV</b>	Virus	Tomato Spotted Wilt Virus	Tomato spotted wilt virus	Solanum lyc., Capsicum annum, Solanum melongena
<b>TYLCV</b>	Virus	Tomato Yellow Leaf Curl Virus	Tomato yellow leaf curl virus	Solanum lyc.
<b>Ua</b>	Fungus	Bean rust	Uromyces appendiculatus	Haricot bean
<b>Va(0), Vd(0)</b>	Fungus	Verticillium wilt	Verticillium dahliae (Vd), Albo-Atrum (Va)	Solanum lyc., Solanum melongena
<b>WMV</b>	Virus	Watermelon Mosaic Virus	Watermelon mosaic virus	Cucurbita pepo
<b>Xap</b>	Bacterium	Bacterial halo blight	Xanthomonas axonopodis phaseoli	Haricot bean
<b>Xcv</b>	Bacterium	Bacterial leaf spot disease	Xanthomonas campestris pv. vesicatoria	Tomato, sweet pepper
<b>ZYMV</b>	Virus	Zucchini Yellow Mosaic Virus	Zucchini yellow mosaic virus	Cucurbita pepo, Cucumis sativus



# Eco guidelines

This catalogue is intended for professional vegetable growers. Please note our general terms and conditions of sale for all our items.

Our advice, suggestions and vegetation cycles serve only as general information; they are the results of our observations and can under no circumstances constitute contractual obligations or harvest guarantees.

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Illustrations of our products: All varieties shown in this catalogue have been photographed under different conditions and do not guarantee identical results under the same conditions

## GMO

In accordance with current legislation, varieties marketed by Graines Voltz, derived from high-tech variety selection procedures, must respect the integrity of the plant without affecting the cell level. To our knowledge, we do not sell genetically modified varieties.

## DEFINITION OF TERMS DESCRIBING THE REACTION OF PLANTS TO PESTS AND ABIOTIC STRESSES

The FAO defines a pest as: any species, strain or biotype of plant, animal or pathogen harmful to plants or plant products. For this reason, the term "pest" also applies to pathogens (microorganisms such as bacteria, viruses and fungi that can cause disease).

The relationship between a plant and a pest is very complex. The terms describing the reaction of a variety are determined by tests carried out under controlled environmental conditions. Known biotypes, pathotypes, varieties or strains are characterised and determined for the pests in question.

It is known that, for all newly developed varieties, biotypes, pathotypes, varieties or strains of a pest, plant parts are infected that were not affected by the original form of the pest.

In order to ensure consistency in the terms used to describe the reaction of a plant to a pest, the ISF (1) defined the following terms in the following section:

Description of the reaction of plants to pests and pathogens

Susceptibility is the inability of a plant variety to limit the growth or development of a particular pest or pathogen.

Resistance is the ability of a plant variety to limit the growth and development of the pest or pathogen concerned and/or the damage caused by it compared to susceptible plant varieties under comparable environmental conditions and comparable pest and pathogen pressure.

In resistant varieties, high pest and pathogen pressure can cause disease symptoms or damage to a certain extent.

Two degrees of resistance are defined:

**High/Standard Resistance (HR):** Plant varieties that greatly limit the growth and development of the pest or pathogen in question under normal pest or pathogen pressure compared to susceptible varieties. However, these plant varieties may

display symptoms of infestation or damage to a certain extent under high pest or pathogen pressure.

**Medium/Intermediate Resistance (IR):** Plant varieties that limit the growth and development of the pest or pathogen in question but may show more symptoms or damage than resistant varieties. Moderately/intermediately resistant varieties will still show less serious symptoms or damage than susceptible plants grown under comparable environmental conditions and/or pest or pathogen pressure.

Unless otherwise described, the resistance of our plants is represented by codes. If a variety is resistant to several pathogens, the individual resistance codes are separated by the symbol "/" or ",".

If a resistance code of a particular variety refers to certain strains to which that variety is supposed to be resistant, it does not claim resistance to other strains of the same pathogen.

If a resistance code does not refer to strains of the pathogen against which resistance supposedly exists, it should be resistant only to certain strains of that pathogen not specified further. This does not guarantee that this variety will not be infected by this pathogen.

## Administration of waivers

The rules for the use of non-organic seeds are laid down in Article 45 of Regulation (EC) No. 889/2008 (2). For the administration of exemptions: Each European country has set up a database which administers the categories:

- **For Category 1:** Varieties cannot in principle be approved in accordance with Art. 45(5) of Regulation (EC) 889/2008 or General Authorisation pursuant to Art. 45 (8) of Regulation (EC) No. 889/2008. Exemptions are seeds for research, small-scale field testing or variety conservation purposes approved by the competent authority of the Member State, which may only be authorised by the competent authority.

- **Category 2, normal list:** Species or types of varieties for which there is a variety range but which is incomplete in terms of size or diversity. In the case of the non-availability of the organic seed variety applied for, an application for an exemption may be made before sowing and, in certain cases, justified.

- **Category 3, list of general approvals:** An exemption is granted automatically as no organic seed is available for these species.

(1) ISF: International Seed Federation. The newly listed abbreviations are from the document: "Code for resistance harmonisation", created by the EUROPEAN SEED ASSOCIATION, last updated in February 2022.

(2) The regulations for the administration of seed for organic farming are laid down in Commission Regulation (EC) No. 889/2008 of 5th September 2008, as amended in Articles 45 and 48 to 56. The Ministry of Agriculture is examining these various issues in greater detail (available at [www.semences-biologiques.org](http://www.semences-biologiques.org)).





# GENERAL TERMS AND CONDITIONS

## 1 General

(1) GRAINES VOLTZ DEUTSCHLAND (hereinafter referred to as the "Vendor") carries out legal transactions exclusively on the basis of the following conditions. § 305b of the BGB (German Civil Code) shall remain unaffected.

- (2) The General Terms and Conditions apply to all offers, contracts, deliveries and services insofar as they apply to all legal transactions connected with them. Offers made by the Vendor are subject to change with regard to services, quantity and ancillary services.
- (3) The General Terms and Conditions shall be accepted by the Purchaser (hereinafter also referred to as the "Customer") when ordering and shall apply for the entire duration of the business relationship.
- (4) The contractual partner shall be notified of changes to the General Terms and Conditions in an ongoing business relationship in text form, and they shall be deemed to have been approved if the contractual partner does not object in text form within six weeks of notification.
- (5) Terms and conditions of the Customer deviating from the GTC and other agreements such as guarantees, modifications and ancillary agreements shall only be effective if the Vendor expressly agrees to these terms and conditions or agreements in text form. Counter-confirmations by the Customer with reference to his/her terms and conditions of business and purchase are hereby rejected.

## 2 Prices

(1) Should the cost of production and international exchange rates change and become more expensive after the order has been placed and up until the day of delivery, the Vendor reserves the right to pass on these increased costs to the Customer. Prices are always net prices and are exclusive of the applicable VAT at the statutory rate and exclusive of packaging, transport and freight costs as well as licences, variety and seasonal surcharges and other costs. The prices are valid ex works Regensburg.

- Any separate discount agreement shall not apply to freight, postage, insurance or shipping costs. The agreed prices per quantity and item are only valid for the respective order.
- (2) The minimum order value per order is € 5.00 net. If this is not reached due to a small order quantity, the purchase price shall always be € 5.00 net regardless of the lower order quantity.
  - (3) Each order requires the express written acceptance by the Vendor (order confirmation).

## 3 Withdrawal (cancellation of orders)

Cancellation of the purchase contract shall only be possible if the legal requirements are met. In the case of a sales contract for cuttings and seedlings, the Purchaser shall be entitled, by way of derogation, to withdraw from the sales contract by paying lump sum compensation under the following conditions:

## Cancellation Lump sum compensation

- up to 42 calendar days prior to the agreed delivery date 50% of net purchase price
- between 14 and 41 calendar days before the agreed delivery date 60% of net purchase price
- fewer than 14 calendar days before the agreed delivery date 75% of net purchase price

The cancellation must be made in writing; § 126b of the BGB shall not apply. All dates and deadlines shall be determined by the date the Vendor receives notification of the cancellation. The Purchaser shall be entitled to prove that the Vendor has suffered less damage than the agreed compensation lump sum. The lump sum compensation is due for payment immediately upon receipt of the declaration of withdrawal.

## 4 Delivery and delivery dates

- (1) The specification of delivery deadlines and delivery dates is non-binding, unless they have been expressly agreed as binding.
- (2) The Purchaser must inform the Vendor in writing (§§ 126, 126b BGB) at the latest five working days (Monday to Friday) before the delivery date, unsolicited, to which place the delivery is to take place ("shipping instructions"). If the shipping instructions are not received in time by the Vendor, the Vendor may withdraw from the contract and demand compensation instead of performance if he/she has set the Buyer a grace period of at least three working days and has not received shipping instructions within this grace period.
- (3) In the event of an agreement on an approximate delivery quantity, a deviation of the delivery quantity of up to 5% of the quantity specified in the contract shall be in accordance with the contract. The purchase price shall be calculated according to the quantity actually delivered.
- (4) Deliveries shall be made on the basis of quality and availability. They may be carried out as a whole or in parts. The Purchaser shall be obliged to accept partial performances, unless this is unreasonable for him/her in individual cases and he/she can prove this.
- (5) If the Vendor fails to deliver on time, the Purchaser shall set him/her a grace period of at least three working days for performance. If the Vendor does not deliver within this grace period or does not deliver in accordance with the contract, the Purchaser may withdraw from the contract.
- (6) If the Vendor has only performed part of the service despite a reasonable deadline for subsequent performance being set, the Purchaser may only withdraw from the entire contract and demand compensation in lieu of performance if he/she has objectively no interest in the partial performance and proves this.

(7) The Purchaser may not withdraw from the contract and demand compensation in lieu of performance if the Vendor has delivered up to 5% too little of the quantity of an item mentioned in the contract; in this respect, a possible breach of duty by the Vendor is irrelevant. In the case of an approximate delivery in accordance with Section 4.3, Clause 1 shall apply if the Vendor has delivered up to 10% too little of the quantity specified in the contract.

(8) In the case of sales contingent upon the possibility of delivery, the Vendor shall assume no procurement risk. There is no obligation on the part of the Vendor to deliver if it is impossible for the Vendor to deliver the goods for legal or factual reasons. This is particularly the case if

- the sub-supplier, with whom the Vendor has entered into a legal transaction in order to fulfil its obligation to deliver to the Purchaser, does not fulfil its obligation to supply the Vendor correctly and on time;
  - the competent approval authority for the supply refuses the approval;
  - delivery from own propagation has been expressly or tacitly agreed and the goods from own propagation have been exhausted.
- The Purchaser shall have no right to claim compensation in each case.

## 5 Special delivery conditions for protected and patented varieties

The cuttings and seedlings supplied may only be used for floriculture and not for any other purposes. Further propagation (even for own requirements) shall only be permitted with special permission of the respective plant variety protection or patent holder. In the event that mutations (sports) are discovered in the cultivation of protected or patented varieties, the grower shall be obliged to inform the plant variety protection or patent holder or the licensee thereof. The grower may inspect and check the mutation himself/herself or through authorised third parties on the grower's premises, as well as request cuttings of this mutation (sport) on request. If the grower wishes to sell the right to the mutation variety discovered by him/her or to license the mutation variety, the case of origin is subject to a right of first refusal or, in the case of licensing, an option right.

## 6 Shipping / Crop boxes

- (1) Unless otherwise agreed, the Vendor shall determine the manner in which goods are shipped.
- (2) The risk shall pass to the Purchaser as soon as the consignment has been handed over to the person carrying out the transport or has left the Vendor's warehouse for dispatch.
- (3) Deliveries shall only be insured against transport damage, including frost damage and delays in transport, at the express request of the Purchaser and at his/her expense. Damage in transit must be determined immediately and certified by the carrier.
- (4) Orders shall be delivered at the discretion of the Vendor in the packaging available at the time of delivery. In the case of orders with agreed packaging made to measure, a surcharge must be paid by the Purchaser for the additional costs of the customised packaging.
- (5) The crop and transport trays in which seedlings are delivered are and shall remain the property of the Vendor at all times. They may not be used by the Purchaser or by third parties without the prior written consent of the Vendor. The Customer must store the boxes in a clean place, safe for the Vendor and free of charge, and keep them available for collection by the Vendor, who shall arrange the return. In the event of damage or loss, the Purchaser shall be liable for flat-rate compensation of € 5.00 net per crop and transport tray.

## 7 Treatment of seeds

- (1) Seeds which are normally dressed or otherwise treated shall be supplied dressed or otherwise treated, unless otherwise agreed.
- (2) If the Purchaser wishes to invoke a defect in the delivered goods after - the first or subsequent - dressing or treatment carried out by him/her or on his/her behalf, he/she must prove by means of suitable evidence that the defect had already existed before the - first or subsequent - dressing or treatment carried out by him/her or the third party.

## 8 Payment/Default on a payment

(1) The place of performance for payments is the registered office of the Vendor.

(2) Unless otherwise agreed, the invoices are due for payment immediately without any deduction. Default occurs if payment is not made within 30 days of the due date and receipt of the invoice by the Purchaser.

(3) In default, § 288 para. 2 BGB and § 288 para. 5 BGB shall apply. The right to assert a higher claim for compensation caused by the default remains reserved.

(4) Purchasers who do not comply with the stipulated payment deadlines or who have already been subject to enforcement proceedings will receive delivery after settling their account only against advance payment when ordering amounting to at least 50% of the total price. The Vendor shall be entitled to make the delivery dependent on the payment of the total invoice amount.

(5) In the case of an agreed instalment payment with a Purchaser in advance, the entire (remaining) invoice amount shall be due for payment immediately in full in the event of non-payment of a due instalment. In the event of default on a payment, we have the right to terminate orders already placed but not yet delivered with the same Purchaser without notice of e-mail, fax or in writing (§ 126 b BGB), without prejudice to further legal remedies and the assertion of claims for compensation for the rest.

(6) The Vendor shall be entitled, despite the provisions of the Purchaser to the contrary, to first offset payments against the Purchaser's oldest debt. If costs and interest have already been incurred, the payment shall first be offset against the costs, then against the interest and finally against the main performance.

(7) If the Vendor becomes aware of a significant deterioration in the financial situation or solvency of the Purchaser after conclusion of the contract, the Vendor shall be entitled to immediately declare due all claims from the business relationship, including deferred claims and those from bills of exchange, and make further deliveries conditional upon advance payment or the provision of security. If a deadline has been set for this advance payment, the Vendor shall be entitled to withdraw from the contract after the expiry of the period without result and to claim compensation instead of performance.

## 9 New customers

Persons with whom the Vendor has not yet had business relations are obliged to provide their VAT identification number when placing their first order and either to pay in advance the total amount of the purchase price or to authorise the consignment by cash on delivery.

## 10 Warranty

- (1) The Vendor shall not assume any liability for the growth and development during the further cultivation of the plants, as this depends on external influences that cannot be controlled by us.
- (2) No liability shall be assumed for unrooted cuttings. The same shall apply to any form of seeds.
- (3) The warranty shall be void if the Purchaser or a third party has graduated, calibrated, wrapped, prepared or otherwise treated the delivered goods.

## 11 Quality agreement; genetic engineering yields

(1) For the agreed quality of the seeds according to § 434 (1) Clause 1 of the German Civil Code, the following shall exclusively apply:

1. The seeds are species- and variety-specific;
2. Seeds produced in Germany comply with the requirements laid down in Appendix 3 to the Regulation on the marketing of seeds of agricultural species and vegetable seeds of 21st January 1986, as amended; seeds produced in other countries comply with the requirements of the relevant European Seed Directive.
2. The varieties from which seed is supplied for sowing are – unless expressly agreed otherwise – classically cultivated varieties which have been grown using traditional methods, i.e. without the use of genetic engineering methods; from genetically unmodified parent components. In the production of these seeds, methods have been used to prevent the accidental presence of genetically modified organisms (GMOs). Seed propagation is carried out in open fields under natural conditions with free pollination. It is therefore not possible to completely exclude the accidental presence of GMOs or to ensure that the seeds supplied are free of any traces of GMOs.
3. Unless otherwise agreed, the following shall apply: The Vendor shall supply seeds for the production of plants. The seeds supplied are not intended for human or animal consumption, whether processed or unprocessed. Plants grown from the seeds supplied may only be used as food and/or animal feed after complete separation from the seed body supplied as seeds.

## 12 Notification of defects

- (1) If the Purchaser is a trader, he/she must inspect the seeds immediately, and at the latest within two working days after delivery. If the seeds are purchased in closed containers for resale purposes, the obligation to inspect the seed is only applicable if the container is opened or there are visible signs, for example on the packaging, that indicate a defect in the seeds.
- (2) If the Purchaser is a trader, he/she must notify the Vendor of obvious defects in the seeds within three working days of delivery at the latest. Non-obvious defects must be notified to the Vendor by the Purchaser if the Purchaser is a trader, at the latest within two working days after becoming known. The receipt of the complaint by the Vendor shall be decisive.

## 13 Sampling, obtaining an expert opinion

- (1) If, after the delivery, the Purchaser finds a defect which he/she wishes to invoke, he/she shall immediately have an average sample taken from the delivery, insofar as seeds are still present. The taking of an average sample shall not be required if the Vendor has acknowledged the defect.
- (2) The average sample must be taken and created by a person appointed or obliged to do so by a Chamber of Agriculture, a Chamber of Industry and Commerce or a competent authority in accordance with the sampling regulations of the Association of German Agricultural Research and Research Institutes. The average sample shall be created from three identical partial samples. One partial sample shall be sent immediately to one of the seed inspection bodies for examination, the second partial sample shall be sent to the Vendor and the third partial sample shall remain with the Purchaser. If one of the parties doubts the results of the examination carried out by the seed inspection body called upon, the partial sample remaining with that party shall be immediately sent for examination to another seed inspection body not yet involved in the examination, to be determined by the seed certification body responsible for the Purchaser under national law. The findings of the second seed testing body shall be binding on both parties if they are consistent with the findings of the first seed testing body. If the findings are not consistent, the remaining partial sample shall be sent for examination without delay to another seed testing body not yet involved in the investigation, which in turn is designated by the seed certification body responsible for the Purchaser under national law. The findings of the third seed testing body shall be binding on both parties if they are consistent with one of the findings of the seed testing bodies previously consulted. In the absence of such an agreement, the average value of the three studies shall be considered as the result established.

(3) If there is no more seeds and the Vendor of the seeds does not immediately acknowledge a complaint by the Purchaser, a survey of the growth by a suitable expert must be carried out without delay, about which the Vendor and the Purchaser must be consulted. The expert shall be appointed by the seed recognition body responsible under national law in whose area the inspection is to take place. The objective of the expert's inspection is to establish the facts and to identify possible causes of the material deficiency. This provision shall not apply if the seeds have been acquired for the purpose of resale.

## 14 Claims for defects and liability

- (1) The Vendor shall only be obliged to pay compensation due to breach of duty in the event of intent and gross negligence, unless the Vendor injures the life, body or health of the Purchaser or an essential contractual obligation, the fulfilment of which is indispensable for the achievement of the purpose of the contract.
- (2) In the case of material defects for which the Vendor is liable, it shall, at its discretion, arrange for rectification or a replacement delivery. Only if the rectification or replacement delivery has failed, the Purchaser may reduce or withdraw from the contract and, if the Vendor is guilty of intent or gross negligence, demand compensation instead of delivery. Clause 2 shall not apply if the existence of the material defect constitutes a material breach of contractual obligations and the fulfilment of this contractual obligation is indispensable for the achievement of the purpose of the contract.
- (3) Claims for defects and claims for breaches of duty which do not concern material defects or defects of title shall become statute-barred one year after delivery of the seeds. § 438 Para. 3 BGB shall remain unaffected.
- (4) Claims for damages due to a negligent breach of essential contractual obligations are limited to the foreseeable damage typical of the contract.
- (5) As far as liability is excluded or limited, this shall also apply to any personal liability of the employees, colleagues, representatives and vicarious agents of the Vendor.
- (6) Except in the case of specific young shoots, complaints may only extend to the specific purity and must be made within 15 days of the arrival of the goods; after expiry of the deadline, a complaint is excluded, and the goods shall then be considered free of defects.
- (7) In the case of young shoots, the goods may be admitted upon acceptance and complaints may be notified to us within 48 hours. After expiry of the deadline, the goods sent shall be considered free of defects.
- (8) The liability of the Vendor for recognised or proven defects - in particular in matters of authenticity, varietal purity, specific purity or germination capacity, conformity to resistance, resistance to stem cells

or varieties, hitherto unknown diseases and announced tolerances - is excluded, to the extent that it exceeds the amount of the order, including justified costs arising from the return of the goods. Insofar as the above liability is excluded or limited, this also applies to the personal liability of employees, workers, staff and vicarious agents.

## 15 Duty to mitigate damage

The Purchaser must take all reasonable measures that are suitable in order to reduce the damage. If the damage could have been averted or reduced if the defect had been reported as soon as possible, this must also be taken into account in the calculation of the compensation.

## 16 Retention of title, transfer of security

- (1) All goods delivered by the Vendor to the Purchaser shall remain the property of the Vendor until all claims arising from the business relationship with the Purchaser have been settled (reserved goods). This shall also apply if individual or all of the claims of the Vendor have been included in a current invoice and the balance has been established and accepted. This shall also apply to receivables from cheques and bills of exchange that have been established in connection with the business relationship.
- (2) Through any handling or processing of the reserved goods, the Purchaser shall not acquire ownership, as he/she is undertaking this for the Vendor, without any obligations arising for the Vendor. In the case of processing, combining, mixing or blending of the reserved goods with other goods not belonging to the Vendor, the Vendor shall be entitled to the resulting co-ownership share in the new object in the ratio of the value of the reserved goods to the other processed goods at the time of processing, combining, mixing or blending. If the Purchaser acquires sole ownership of the new object, the Vendor and the Purchaser shall agree to the Purchaser granting the Vendor co-ownership of the new object in proportion to the value of the processed, combined, mixed or blended reserved goods and keeping them free of charge for the Vendor.
- (3) The Purchaser may only resell or sow the reserved goods within the scope of the normal course of business.
- (4) The growth from the seeds supplied by the Vendor shall be transferred to the Vendor as security up its separation from the land until all claims from the business relationship have been fully settled and shall be kept by the Vendor free of charge.

(5) All claims of the Purchaser from a resale of the reserved goods shall be assigned to the Vendor at the time of the conclusion of the contract to secure all claims of the Vendor from the business relationship. The Purchaser shall be entitled to collect these claims for his/her account until the Vendor revokes them. The authority of the Vendor to collect the claims himself/herself shall remain unaffected by this. However, the Vendor shall undertake not to collect the claims as long as the Purchaser duly fulfils his/her payment and other obligations.

- (6) The Purchaser shall be obliged to adequately insure the reserved goods at his/her own expense, insofar as this is customary, and to notify the Vendor immediately of any damage. In this respect, claims from the insurance contract shall be assigned to the Vendor in advance until all claims from the business relationship have been fully settled.

## 17 Use of the seeds and contractual penalty

- (1) The Purchaser shall undertake to use the seeds only for their intended use. In particular, the Purchaser may not use the seeds for the production of propagating material without the prior written permission of the respective holder of the plant variety right, the granting of which is at the discretion of the holder of the plant variety protection right.
- Contrary provisions of the German Plant Variety Protection Act and the European Plant Variety Protection Regulation, in particular with regard to the so-called "Farmer's privilege" for reproduction in his/her own farm shall remain unaffected by this.
- (2) If the Purchaser breaches an obligation in Clause 5, he/she must pay the holder of the plant variety protection right a contractual penalty of three times the purchase price of the seeds at the request of the Vendor or the holder of the plant variety protection right. This shall not affect the Purchaser's obligation to pay further compensation.

## 18 Colour of illustrations/ No guarantee of yields

- (1) Colour photos in the Vendor's catalogues were taken under favourable growing conditions. The photos are representations; identical results cannot be expected in natura and are not guaranteed. Deviations of the natural product are normal and not a defect.
- The colours, shades and vegetation cycles are quoted in a consistent and non-legally binding manner.
- (2) The data on weight, dimensions and properties of the products and yields provided by the Vendor is used for orientation purposes.
- (3) The Vendor shall not assume any guarantee for the achievement of yields, as these depend on external circumstances which cannot be influenced by the Vendor. Possible results are only dependent on the product and its quality but, as the Customer is aware, also on factors that are difficult or impossible to evaluate or predict and which can vary greatly depending on the region, environment, soil and weather conditions, growing and cultivation practices. Information from the Vendor on possible yields should therefore be understood as purely indicative and non-binding; in particular, such information cannot be interpreted as a harvest guarantee.

## 19 Force majeure

- (1) Insofar as force majeure concerns the Vendor or Purchaser, the party concerned shall not be in default with regard to the obligation affected by force majeure, and its obligation to fulfil this obligation shall be automatically suspended for the duration of the force majeure. However, this shall not apply to the obligation of the party to make payments to the other party in accordance with the contract.
- Force majeure may include, for example, and not exhaustively: warfare, strikes, effects of the climate crisis, fire and accidents in all businesses involved in the production and distribution of products and seedlings.
- (2) In the event of failed harvests or underproduction at the Vendor's premise, which are based on force majeure, the Vendor reserves the right to reduce the delivery quantities at its reasonable discretion. The Purchaser shall not be entitled to compensation in the event of a reduction in the delivery quantities in accordance with Clause 1.

## 20 Data protection

The current version of the data protection declaration is available at <https://www.voltz-maraichage.de>.

## 21 Place of jurisdiction and place of performance

- (1) Unless otherwise stated in the purchase contract or the order confirmation, the registered office of the Vendor in Regensburg is the place of performance.
- (2) For all legal disputes between the Purchaser and us, including in the context of a bill of exchange and cheque process, the registered office of the Vendor in Regensburg is the place of jurisdiction if the Purchaser is a trader, a legal entity under public law or a special fund under public law and no exclusive place of jurisdiction is given. The Vendor shall also be entitled to bring an action at the registered office of the Purchaser.
- (3) The law of the Federal Republic of Germany shall apply exclusively to the contractual relations.

## 22 Severability clause

Should one or more provisions of these General Terms and Conditions be or become invalid or unenforceable, the validity of the remaining provisions shall not be affected by this. In place of the invalid or unenforceable provision, the parties shall agree on an effective and enforceable provision that comes closest to the economic interests of both parties. The same shall apply in the event that the General Terms and Conditions have an unintended gap.

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# VOLTZ

MARAÎCHAGE

bio



GRAINES VOLTZ  
DEUTSCHLAND



CAT 454