


organic seeds for  
**growers' success**



# 2023 Catalogue



We dream  
of a world with  
**future-proof  
agriculture**

We are working towards  
100% organic seeds

Healthy for producers,  
for consumers and  
for the planet



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De Bolster wants to protect our planet. This is why we use paper that contributes to the maintenance of forests, uses less water and energy in its production process, and involves less CO<sub>2</sub> emissions. This catalogue was printed on Rebello, a 100% recycled paper certified by the FSC and Blue Angel which also bears the EU Eco label and has a score of 91 ('Excellent') on the WWF Paper Scorecard.



**Basil 'Genovese'**  
seed production in Moldova



# Introduction

## Dear customer,

With the 2022 growing season barely over, the 2023 season is already putting in an appearance. Not least in the form of this new catalogue from De Bolster, in which you will not only find familiar varieties but also an exciting range of new products.

To mark the start of the new season, we would like to take a brief look back over the past period. The war in Ukraine is having a major impact on everything, including on De Bolster. At the beginning of the war there was a chance that Moldova might also be occupied: a tense time for us as De Bolster has a large production site there. Fortunately, the country, our operation and our staff were spared, and we were able to bring the seed harvest to the Netherlands. A more direct consequence of the War is that Ukrainian refugees have been working in our seed production department over the past year. This enables them to put

their time in the Netherlands to good use, and we are delighted to have the extra pairs of hands, which are hard to come by at the moment.

For the coming season, we are again introducing a number of open-pollinated and hybrid (F1) varieties which we have included in our range for various reasons.

To expand our range of tomatoes we are introducing two new open-pollinated varieties: a bronze cherry tomato and an orange mini plum tomato, both with a great flavour. After several years of testing, we are also introducing two new cucumber varieties. 'Kaikura F1' is a snack cucumber that is fast growing and high yielding. 'Darwin F1' is a LET cucumber for summer cultivation in heated greenhouses, with a good package of disease resistance.

Close cooperation with our customers forms the basis for the success of our breeding programme. It helps us to constantly respond to the challenges that you face as a grower. That is why we are happy to come and talk to you in the field or around the kitchen table – but you are, of course, always welcome to drop in on De Bolster in Epe too.

We wish you all the best with our range and, most of all, a good and productive growing season!

On behalf of the De Bolster team,

With best regards,



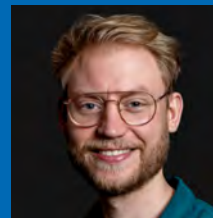
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# Our vision

## Welcome to De Bolster organic seeds for growers' success

We dream of a world with future-proof agriculture. Healthy for producers, consumers and the planet. That is why De Bolster wants to support growers with 100% organic seed and the very best varieties for a successful crop.

With a company history of over 40 years, De Bolster specialises in breeding and producing organic seeds. We grow more than 330 varieties of vegetables, herbs, flowers and green manures, all under our own in-house management at several locations worldwide. Efficiency and quality run through every aspect of our operations, in order to guarantee our customers high quality seeds that are 100% certified organic, GMO-free and delivered on time.

### Certified seeds



All our seeds are organically produced in compliance with Regulation (EC) 834/2007. De Bolster is registered with SKAL Biocontrole under number 019678 and certified for production, cleaning, packaging and distribution of organic seeds.

### Organic breeding



We cross-breed and select certain species under extreme growing conditions, with low-level fertiliser and a minimum amount of water. That is how we breed robust, tasty varieties that are productive and have a good shelf life.

### 100% GMO-free



De Bolster opposes the use of genetic modification. In our company we only use traditional breeding techniques. All our varieties are 100% GMO-free.

### No patents on seeds



De Bolster is against patents on genes which occur freely in nature. We believe that natural features should not be patented by companies, but should remain freely accessible to everyone. This is necessary in order to allow new varieties to be developed freely and without hindrance by any company.

# Cucumber

Cucumis sativus

Following several years of testing, De Bolster is now launching its first hybrid cucumbers. These varieties have been bred by a partner company and trialled by De Bolster under organic conditions. Our aim is to develop a good package of cucumber varieties for organic cultivation in heated and unheated greenhouses: robust cucumbers that have good yields under organic conditions with good resistance to viruses and fungi such as powdery mildew.



**NEW**

## Darwin F1

Cucumber

This vigorous cucumber stands out for its resistance to a large number of diseases including cucumber green mottle mosaic virus (CGMMV) and powdery mildew (Px). 'Darwin F1' performs best as a summer crop in heated greenhouses. Take 1.25 plants per m<sup>2</sup> as a basis for a conventional crop and 2.4 plants per m<sup>2</sup> for a high-wire crop. The uniform, dark green fruits grow to 30-34 cm in length.

- Very vigorous plant
- Uniform fruits
- Resistant to many diseases



**NEW**

## Eden F1

Cucumber

'Eden F1' is the perfect variety for cucumber growers with unheated greenhouses. The plants stay strong and healthy in these conditions and also have good resistance to leaf fungi such as downy mildew (Pcu) and powdery mildew (Px). 'Eden F1' produces attractive, slightly ribbed fruits, 35-45 cm in length.

- Strong, healthy plant
- For unheated cultivation
- Good disease resistance



**NEW**

## Kaikura F1

Snack cucumber

Crisp, tasty snack cucumbers measuring 5-8 cm in length and weighing 30-35 g. The variety can be grown throughout the season and is particularly suitable for unheated cultivation. The slender plants have an open habit with short internodes and can be planted close together. Each plant produces 3-5 fruits per leaf axil and the harvest period is 6-8 weeks, so two crop cycles per season are recommended.

- Crisp, tasty fruits
- Fast yielding
- Can be grown in an unheated greenhouse throughout the season



Article	Variety	Plant	Resistance*			Fruit	Cultivation	
			Type	Resistance* (HR)	(IR)		Weight	Heated
1431	Darwin F1 (BOL-K-5102)	LET	Ccu / CGMMV / CMV / CVYV	Px	30-34 cm	•	•	
1432	Eden F1 (BOL-K-5105)	LET	Ccu / CVYV	Px / Pcu	35-45 cm		•	
1438	Kaikura F1 (BOL-K-5404)	Snack	Ccu	Px	5-8 cm		•	

\*For an explanation of these resistance codes, see page 36-37





Snack cucumber 'Kaikura F1'

# Blocky Pepper

Capsicum annum

De Bolster blocky peppers are specially developed for organic cultivation. Our varieties perform very well when grown in soil, even under low fertiliser conditions.

De Bolster offers a wide range of varieties for organic cultivation, along with pointed sweet peppers, snack peppers and hot chilli peppers.



## Olly F1

Blocky Pepper

Red blocky pepper with plenty of vigour and excellent, rapid colouration. The fruits weigh around 180-200 g and are deliciously sweet.

- Robust plant
- Very fast colouration
- Sweet flavour

## Elsa F1

Blocky Pepper

Yellow blocky pepper with short, stocky plants and fruits that colour quite rapidly. The fruits are attractively block-shaped, weigh 200-220 g and have a lovely, sweet flavour.

- Short, stocky plants
- Fairly fast colouration
- Lovely flavour

## Ilyn F1

Blocky Pepper

Orange blocky pepper with plenty of vigour and fast colouration. The fruits have a weight of 180-200 g and an excellent taste.

- Robust plants
- Fast colouration
- Excellent flavour



Article	Variety	Plant			Fruit		
		Resistance* (HR)	Plant habit	Earliness	Colour	Size	Weight
1621	Olly F1	Tm:0-2	Robust	Very early	Red	75-80 mm	180-200 g
1622	Elsa F1	Tm:0-3	Short	Early	Yellow	80-85 mm	200-220 g
1619	Ilyn F1	Tm:0-2	Robust	Early	Orange	70-80 mm	180-200 g
1623	Lilo F1	Tm:0-2	Short	Slow	Purple, Red	75-80 mm	170-190 g
1618	Waldo F1	Tm:0	Short	Early	White, Yellow	70-80 mm	160-170 g

\*For an explanation of these resistance codes, see page 36-37



## Lilo F1

Blocky Pepper

Unique, purple-coloured blocky pepper with fruits that ripen through to dark red. 'Lilo' has a heavy, short cropping season. The fruits weigh about 170-190 g and have a taste comparable to green blocky pepper.

- Short cropping season
- Unique, purple colour
- Green flesh



## Waldo F1

Blocky Pepper

High-yielding blocky pepper with bright white fruits weighing between 160 and 170 g. For the best white colour and fresh flavour, the attractive blocky fruits should be harvested unripe.

- Compact plants
- White: fresh flavour
- Yellow: sweet flavour



# Pointed Sweet Pepper

*Capsicum annuum*

De Bolster pointed sweet peppers are specially developed for organic cultivation. Our varieties perform very well when grown in soil, even under low fertiliser conditions.

De Bolster offers a wide range of varieties for organic cultivation, along with blocky peppers, snack peppers and hot chilli peppers.



## Xaro

Pointed Sweet Pepper

Red pointed sweet pepper which gives a vigorous crop, early fruit setting and fast colouration. The fruits are beautifully straight, 18-22 cm long and taste delicious.

- Strong, open crop
- Fast colouration
- Very good flavour

## Zazu

Pointed Sweet Pepper

Yellow pointed sweet pepper, compact grower and fast colouration. The fruits are 18-22 cm long and taste delicious.

- Strong, open crop
- Fast colouration
- Excellent flavour

## Kyra

Pointed Sweet Pepper

Orange pointed sweet pepper with a firm, open crop and fast colouration. The fruits are 20-22 cm long, crunchy and sweet-tasting, with a good shelf life.

- Strong, open crop
- Fast colouring
- Magnificent flavour



Article	Variety	Plant			Fruit		
		Resistance* (HR)	Plant habit	Earliness	Colour	Length	Weight
1627	Xaro		Strong and open	Very early	Red	180-220 mm	100-120 g
1628	Zazu	Tm:0-2	Strong and open	Early	Yellow	180-220 mm	100-120 g
1629	Kyra		Strong and open	Early	Orange	200-220 mm	100-120 g

\*For an explanation of these resistance codes, see page 36-37

# Snack Pepper

*Capsicum annuum*

De Bolster snack peppers are specifically developed for organic production. Our varieties perform very well when grown in soil, even under low fertiliser conditions.

De Bolster offers a wide range of varieties for organic cultivation, along with blocky peppers, pointed sweet peppers and hot chilli peppers.



## Arwen

Snack Pepper

Red snack pepper with strong, relatively short plants and a high yield. The fruits have a weight of 30-40 g and a delightful taste.

- Strong crop
- High yield
- Very good taste

## Radja

Snack Pepper

Yellow snack pepper with strong, short plants and a very high yield. The fruits have a weight of 30-40 g and an excellent taste.

- Strong crop
- Very high yield
- Excellent flavour

## Flynn

Snack Pepper

Orange snack pepper with strong, short plants and a very high yield. The fruits have a weight of 30-40 g and a really sweet flavour.

- Strong crop
- High yield
- Sweet taste

Article	Variety	Plant			Fruit		
		Resistance* (HR)	Plant habit	Earliness	Colour	Length	Weight
1624	Arwen	Tm:0-2	Strong, rather short	Early	Red	70-80 mm	30-40 g
1625	Radja	Tm:0	Strong, short	Early	Yellow	70-80 mm	30-40 g
1626	Flynn	Tm:0 / PVY:0	Strong, short	Early	Orange	70-80 mm	30-40 g

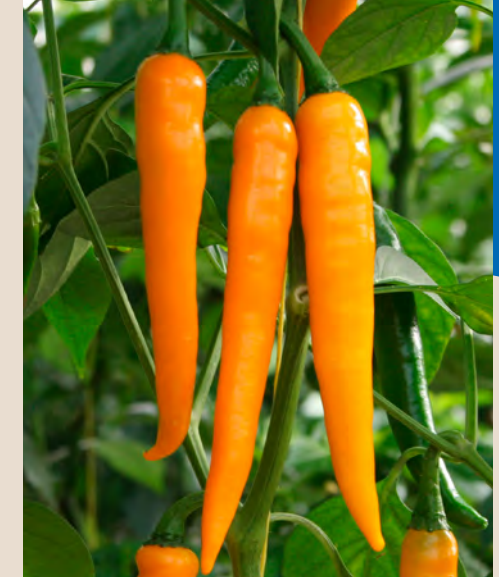
\*For an explanation of these resistance codes, see page 36-37

# Hot Pepper

Capsicum annuum

De Bolster hot peppers are specifically developed for organic production. Our varieties perform very well when grown in soil, even under low fertiliser conditions.

De Bolster offers a wide range of varieties for organic cultivation, along with blocky peppers, pointed sweet peppers and snack peppers.



## Koh Samui F1

Hot Pepper

Red pepper with straight fruits 15 cm long, which can also be harvested green, if desired. Strong plants and very productive. These hot fruits have a weight of 30 g and a Scoville score of 2000.

- Robust plants
- Long fruits
- Scoville: 2000

## Koh Chang

Hot Pepper

Yellow pepper with straight fruits 13 cm long. Fairly short habit with very early fruit setting. These hot fruits have a weight of 25 g and a Scoville score of 6000.

- Early variety
- Short plants
- Scoville: 6000

## Koh Tao

Hot Pepper

Orange pepper with straight fruits 14 cm long. Strong plants and very productive. These hot fruits have a weight of 25 g and a Scoville score of 4000.

- Robust plants
- Tall plants
- Scoville: 4000



Article	Variety	Plant			Fruit				
		Resistance* (HR)	Type	Earliness	Colour	Scoville	Length	Weight	
1635	Koh Samui F1		Long	Early	Red	2000	150 mm	30 g	
1636	Koh Chang	Tm:0	Short	Very early	Yellow	6000	130 mm	25 g	
1637	Koh Tao	Tm:0-2	Long	Early	Orange	4000	140 mm	25 g	

\*For an explanation of these resistance codes, see page 36-37

# Sweet Pepper Rootstock

Capsicum annuum

In organic Capsicum cultivation, the use of a rootstock is an important tool in avoiding soil-borne pests and diseases. Growing on a rootstock also ensures higher yields. They can be used for all varieties of blocky peppers, sweet pointed peppers and chilli peppers.

De Bolster rootstocks are specially developed under organic conditions and are the most effective varieties against nematodes on the market. Grafting of young plants should preferably be done by companies specialising in raising young fruit vegetable plants.



**NEW**

## Skyborn F1

Sweet Pepper Rootstock

'Skyborn F1' is a productive, medium vigorous Capsicum rootstock with excellent resistance to root knot nematodes. Virtually all varieties of sweet peppers and chilli peppers can be grafted onto it. This rootstock is suitable for heated and unheated greenhouses and is perfect for organic cultivation. This variety has been developed in collaboration with INRAE France.

- Strong root system
- Highly resilient to Verticillium and Pyrenochaeta
- Very strong against root knot nematodes

## BOL-R-5103 F1

Sweet Pepper Rootstock

This rootstock has become a standard variety in organic heated greenhouse cultivation thanks to its combination of vigour and resistance. 'BOL-R-5103 F1' is extremely vigorous, producing a nicely uniform crop even with three stems. Its intermediate resistance to root knot nematodes ensures continuous growth throughout the season. The variety is also highly resilient to Pythium.

- Vigorous
- Also suitable for unheated cultivation conditions
- High yielding

### Watch video



Article	Variety	Plant	
		Resistance* (HR)	(IR)
1612	Skyborn F1		Ma / Mi / Mj
1613	BOL-R-5103 F1 <b>NEW</b>	Tm:0 / PVY:0	Ma / Mi / Mj

\*For an explanation of these resistance codes, see page 36-37

# Cherry Tomato

*Solanum lycopersicum*

The breeding focus in our cherry tomato segment is on flavoursome tomatoes with a good shelf life and high yields for organic crops. We expect to expand this segment over the next few years.

De Bolster organic tomato varieties have been specially developed for challenging growing conditions without the need for rootstock. With their strong root systems, our varieties deliver outstanding performance even in dry cultivation conditions and with a low fertilisation level.

Our 'Bolstar' varieties are vigorous and produce a lot of fruit early in the season; ideal for a short growing period. As they are semi-long life, the fruits can be left on the plant for longer, which offers more flexibility in picking and promotes optimal flavour development.

All our tomato varieties have been developed for poly-tunnels and cold greenhouses, not for heated production.



**NEW**

## Bolstar Baloe F1

Cherry-Plum Tomato

Deliciously sweet cherry-plum tomato, ideal for summer production in polytunnels and unheated greenhouses. 'Bolstar Baloe' produces both single and double trusses, with a beautiful herringbone pattern. The flavoursome fruits weigh about 21 g. Suitable for picking as a truss or loose, with or without calyxes.

- Very vigorous; keeps on producing trusses
- Good keeping qualities on the plant
- Good texture and sweet taste

## Bartelly F1

Cherry Tomato

Very flavoursome cherry tomato, ideal for summer production in polytunnels and unheated greenhouses. 'Bartelly' is a favourite with many growers, partly thanks to its branched trusses and large numbers of fruits which have a wonderful balance between sweetness and acidity. The round fruits weigh about 16 g and are suitable for picking loose with calyxes.

- Early harvest
- Very vigorous
- High yielding

## Bronzy

Cherry Tomato

Very flavoursome cherry tomato that produces juicy fruits with an attractive brown colour. The tomatoes, which weigh 15-20 g, can be harvested loose, with or without calyxes, or on the vine. This open-pollinated (OP) variety has a nice open habit and starts producing fruits early. Harvest from July onwards.

- Attractive brown colour
- Early production
- Resistant to powdery mildew



Article	Variety	Plant		Harvesting		
		Resistance* (HR)	(IR)	Truss	Loose	Weight
1941	Bolstar Baloe F1	Ff:A-E / Fol:0,1		●	●	20-22 gr
1948	Bartelly F1	Ff:A-E / ToMV:0			●	15-17 gr
1956	Bronzy <b>NEW</b>	Fol:0-1 / ToMV:0-2	On / Ma / Mi / Mj		●	15-20 gr
1956	Ormato <b>NEW</b>				●	12-18 gr

\*For an explanation of these resistance codes, see page 36-37





**NEW**

## Ormato

Snack Tomato

Open-pollinated snack tomato with lovely orange fruits weighing around 12-18 g. 'Ormato' tomatoes are characterised by their excellent flavour. The plant has an open habit and is extremely productive. Trusses are often split, with 2-3 side trusses. Can be grown under glass or outdoors.

- Attractive shape
- Excellent flavour
- High yielding



Cherry Tomato '**Bronzy**'

# Plum Tomato

*Solanum lycopersicum*



Our aim in breeding plum tomatoes is to develop flavoursome 'Roma' types with a good texture and a high yield.

De Bolster organic tomato varieties have been specially developed for challenging growing conditions without the need for rootstock. With their strong root systems, our varieties deliver outstanding performance even in dry cultivation conditions and with a low fertilisation level.

Our 'Bolstar' varieties are vigorous and produce a lot of fruit early in the season; ideal for a short growing period. As they are semi-long life, the fruits can be left on the plant for longer, which offers more flexibility in picking and promotes optimal flavour development.

All our tomato varieties have been developed for poly-tunnels and cold greenhouses, not for heated production.

## Bolstar Sensatica F1

Plum Tomato

Deliciously sweet, semi-long life plum tomato, suitable for polytunnel production and slightly heated greenhouses. The plum-shaped fruits, which weigh about 80 g, have a very good flavour, especially compared with other 'Roma' tomatoes. The tomatoes have an excellent shelf life, both on the plant and after harvesting. 'Bolstar Sensatica' produces large trusses with about 12 juicy fruits which can be harvested loose with or without calyxes. Also suitable for harvesting on the truss with 6 fruits.

- Very long vine and shelf life
- Intermediate resistance against mildew
- Truly a taste sensation!



Article	Variety	Plant Resistance* (HR)	Harvesting			
			(IR)	Truss	Loose	Weight
1943	Bolstar Sensatica F1	Ff:A-E / ToMV:0-2 / Va:0 / Vd:0 / Fol:0,1 / For	On	•	•	70-90 g

\*For an explanation of these resistance codes, see page 36-37

# Beefsteak Tomato

*Solanum lycopersicum*

The beefsteak tomato is the largest tomato variety of all. Thanks to its fresh, full-bodied flavour and firm structure, it is ideal for soups and sauces, but also for salads, tomato carpaccio or as a steak substitute on the BBQ.

Our beefsteak tomato varieties have been selected and produced under organic conditions and perform well with lower amounts of fertiliser and less irrigation. They can be harvested early and are high yielding. Perfect for protected cultivation, either heated or unheated. These tomatoes need calcium-rich soil with plenty of high organic matter.



## Coeur de Boeuf

Beefsteak Tomato

Traditional, vigorous beefsteak tomato with a wonderful flavour. The large, heart-shaped fruits ripen from the inside out. So the ideal time to pick them is when the fruit is just beginning to colour. It will then be pink on the inside and the flesh will still be nice and firm. This beefsteak tomato produces an average of five fruits per truss. But to ensure uniform plant development, it is better to reduce them to two per truss. Fruit weight is around 500 g, but occasionally they can grow to as much as 1,000 g. Open-pollinated variety, suitable for the Home Garden segment.

- Traditional variety
- Early harvest
- Very large fruits

Article	Variety	Harvesting		
		Truss	Loose	Weight
1951	Coeur de Boeuf		•	500-1000 g

Tomato 'Coeur de Boeuf'

# Round Tomato

*Solanum lycopersicum*

In our round tomato breeding programme, we are now focusing particularly on developing more robust, flavoursome varieties with the same yield and shelf life as 'Bolstar Gimli'.

De Bolster organic tomato varieties have been specially developed for challenging growing conditions without the need for rootstock. With their strong root systems, our varieties deliver outstanding performance even in dry cultivation conditions and with a low fertilisation level.

Our 'Bolstar' varieties are vigorous and produce a lot of fruit early in the season; ideal for a short growing period. As they are semi-long life, the fruits can be left on the plant for longer, which offers more flexibility in picking and promotes optimal flavour development.

All our tomato varieties have been developed for poly-tunnels and cold greenhouses, not for heated production.



## Bolstar Gimli F1

Round Tomato

Beautiful, shiny truss tomato, suitable for summer production in polytunnels and slightly heated greenhouses. The fine round fruits, weighing about 75 g, have a very good shelf life, both on the plant and after harvesting. 'Bolstar Gimli' produces long trusses of about 8-10 juicy fruits which can be harvested loose, with or without calyxes. Also suitable for harvesting as 7-fruit trusses.

- Very good shelf life
- Sturdy trusses with 8-10 fruits
- Good, mildly fresh flavour

## Bolstar Granda

Round Tomato

Robust, high-yielding, open-pollinated variety suitable for summer production in polytunnels and unheated greenhouses. The round fruits weigh about 100 g and are suitable for picking loose with calyxes. 'Bolstar Granda' produces about 5-10 fruits per truss with a good, pleasant flavour and an excellent shelf life.

- Very vigorous
- Firm, round fruits
- Ideal for the cold greenhouse or polytunnel



Article	Variety	Plant Resistance* (HR)	Harvesting		
			Truss	Loose	Weight
1942	Bolstar Gimli F1	Ff:A-E / ToMV:0 / Va:0 / Vd:0 / Fol:0,1 / For	●	●	70-80 gr
1945	Bolstar Granda	Ff:A-E / ToMV:0 / Va:0 / Vd:0 / Fol:0,1 / For		●	90-110 gr

\*For an explanation of these resistance codes, see page 36-37



Round Tomato '**Bolstar Gimli F1**'

# Courgette

Cucurbita pepo

In courgette breeding, De Bolster specialises in developing new varieties with special traits that benefit both professional growers and amateur gardeners.

Two courgettes with these unique characteristics are 'Ola Gabriella' and 'Ola Escaladora', both slow-growing cultivars bearing multiple fruits simultaneously that develop more slowly, giving you more flexibility in harvesting.

We are also working on new cultivars for professional organic production with the right balance between size, shape, gloss and yield and with good disease resistance.



## Ola Gabriella F1

Courgette

Productive yellow courgette with a mild, sweet taste. This plant has a parthenocarpic habit so the fruits set early in the season without the presence of male flowers. Because of the continual development of the fruits, they can stay rather longer on the plant without compromising productivity. This gives you more flexibility in harvesting. The fruits, which are best harvested when they reach a length of 20-25 cm, have a fine texture and a mild, sweet taste.



## Ola Escaladora

Climbing Courgette

Climbing courgette 'Ola Escaladora' readily grows up netting or a fence. The long vines, which can reach anything up to 5 metres in length, need to be tied in at regular intervals so as to encourage the plant to grow upwards. This productive climber produces flavoursome, dark green courgettes of around 20 to 25 cm in length throughout the summer, provided the fruits are harvested regularly. The side shoots, which can be removed if desired, also produce fruits. Any mildew only appears late in the season, if at all. Open-pollinated variety, suitable for the Home Garden segment.



## Ola Redonda

Round Courgette

Productive round courgette with pale green, white speckled fruits. Harvest daily for a constant supply of new courgettes. The round fruits will then average 250-300 g in weight and are ideal for stuffing. They can be stored in a cool place for 4-5 weeks. The non-trailing plants grow nice and bushy. Open-pollinated variety.



Article	Variety	Cultivation		
		Plant type	Density	Harvest
1355	Ola Gabriella F1	Bush	10,000-12,000 /ha	Jul-Sep
1356	Ola Escaladora	Climbing	10,000-15,000 /ha	Jul-Sep
1357	Ola Redonda	Bush	10,000-12,000 /ha	Jul-Sep

Courgette '**Ola Gabriella F1**'



Round courgette '**Ola Redonda**'



# Winter Squash

Cucurbita maxima

De Bolster winter squash varieties are developed for organic cultivation. Our trailing types are remarkably uniform in size and shelf life. This plant type covers the cultivation area quickly, which suppresses weeds. Our bush types are particularly productive and allow for longer mechanical weed control.

## Sowing

Sow winter squash seed on a firm, moist soil. This usually requires a sowing depth of 3-5 cm. For optimal germination, the soil temperature should be at least 18°C at sowing depth at the time of sowing and during the following week. Soil that is too cold or too wet slows down the germination process, which can make the germinating seeds susceptible to fungi and bacteria. Above 22°C, germination takes place very quickly, so these plant pathogens are less likely to attack.

## Harvesting and storage

The fruits are ready for harvesting when the fruit stalks start to turn corky and the leaves start to die off. For maximum shelf life, we recommend not leaving the fruits on the field for too long in order to avoid sun scorch and fruit spoilage. After harvesting, the fruits are best stored at a temperature of 8-12°C. It is important to keep winter squash well ventilated in storage.



## Solor

Winter Squash (trailing)

Orange/red winter squash with beautiful, uniform fruits. 'Solor' is a trailing, open-pollinated variety with a good, uniform shelf life. Ready at least one week earlier than 'Uchiki Kuri'. Sales period: October-January.

## Fictor

Winter Squash (trailing)

Dark orange/red winter squash with attractive, uniform fruits. 'Fictor' is a trailing, 'family-intercross' which is appreciated because of the size of its fruits, beautiful colour and shelf-life. Sales period: October-January.

## Uchiki Kuri

Winter Squash (trailing)

Orange-red squash with fruits varying in weight from 0.8 to 2 kg. Trailing type with 1-2 fruits per plant. Deep orange-red colour. Sales period: October-December.

## Amoro F1

Winter Squash (bush)

Beautiful, bright orange pumpkin with an exceptionally high yield. Bush type with short vine. Suitable for early sales. 'Amoro' is very easy to cook and has a sweet taste, perfect for soup. Sales period: September-December.

Article	Variety	Plant		Culture time	Fruit		
		Type	Density		Weight	Yield	Shelf life
1665	Solor	Trailing	11,000-13,000 /ha	90-100 days	0.9-1.1 kg	15-19 T/ha	4-5 months
1655	Fictor (FIC)	Trailing	11,000-13,000 /ha	90-100 days	1.0-1.2 kg	16-20 T/ha	4-5 months
1669	Uchiki Kuri	Trailing	11,000-13,000 /ha	90-100 days	0.8-2.0 kg	17-21 T/ha	3-4 months
1642	Amoro F1	Bush	15,000-20,000 /ha	85-90 days	0.8-1.3 kg	30-40 T/ha	2-3 months
1644	Tractor F1	Bush	10,000-15,000 /ha	90-100 days	2.0-4.5 kg	30-35 T/ha	3-4 months
1656	Leckør F1	Trailing	13,000-15,000 /ha	90-100 days	1.0-1.5 kg	30-40 T/ha	4-6 months







## Tractor F1

Winter Squash (bush)

Orange pumpkin with beautiful, large fruits. Bush type with short vine and 1-2 fruits per plant. Extremely high yielding with good keeping qualities and flavour. Easy to prepare. Sales period: October-January.



## Leckør F1

Winter Squash (trailing)

Highly productive, silver-grey squash. 'Leckør F1' has deep orange flesh and an excellent flavour. The fruits average between 1 and 1.5 kg in weight. Sales period: October-February.



# Dwarf French Bean

Phaseolus vulgaris

## Earliness

To determine the earliness of our varieties, we use 'Compass' as a reference variety. 'Compass' is a standard early variety and has about 71 growing days in the main season. The later it is sown, the greater the differences in cultivation time. In summer, +1 means one day of extra growing, while at the end of the season +1 can mean an extra week of growing.

## Sowing

Sow dwarf French beans from 15 June onwards outdoors on a firm, moist soil. This usually requires a sowing depth of 2-4 cm. The soil temperature should be at least 15°C at sowing depth. Germination will take place more quickly at above 20°C. Soil that is too cold will slow down the germination process and it is possible that the seeds may not come up at all. The latest sowing date for both outdoor and cold greenhouse cultivation is 20 July, mainly due to the danger of night frosts in October. Allow approximately 70 growing days for cold greenhouse cultivation.



## Compass

Dwarf French Bean

Extra-refined French bean, 'haricot vert' type. It is stringless and has a good flavour. Excellent plant habit with long, straight pods. Because the pods are quite thin, it is less suitable for picking by hand.

## Faraday

Dwarf French Bean

Very fine French bean, 'haricot vert' type, which is stringless and has a very good flavour. This variety has a long picking period and a good shelf life, making it suitable for both processing and fresh sales. It is a productive variety, with a uniform fruit setting and good Botrytis tolerance.

## Domino

Dwarf French Bean

Delicate, stringless French bean with a fine flavour. The pods all set together and are suitable for both mechanical harvest or one-time picking by hand. 'Domino' gives a very high yield.

## Dior

Dwarf French bean

Very uniform wax bean with homogeneous fruiting. The straight, yellow pods are neatly distributed on the outside of the plant, making them easy to pick. 'Dior' is extremely high yielding and has an earliness of +1, which is quite early for a wax bean.



Article	Variety	Plant	Pod				Sorting (mm)				
			Resistance* (HR)	Height	Earliness**	Colour	Length	< 6.5	6.5-8	8-9	9-10.5
1081	Compass	BCMV:1 / Ps / A		50 cm	Reference	Dark green	12-14 cm	75%	25%		
1083	Faraday	BCMV:1 / Ps / A		50 cm	+1 days	Green	13-14 cm		80%	20%	
1082	Domino	BCMV:1 / Ps / A		50 cm	+1 days	Green	12-13 cm			80%	20%
1218	Dior	BCMV:1 / Ps / A		50 cm	+1 days	Yellow	13-14 cm		20%	80%	

\*For an explanation of these resistance codes, see page 36-37 \*\*Earliness in comparison to standard variety

# Dwarf Flat Bean

*Phaseolus vulgaris*



## Capitano

Dwarf Flat Bean

Stringless bean with flat yellow pods, which are very tasty. 'Capitano' is the standard variety in its class in many countries around the world. Suitable for both mechanical and hand picking.

## Nassau

Dwarf Flat Bean

Stringless bean with flat green, really tasty pods. In many countries, 'Nassau' is the standard variety for mechanical harvesting, but it is also suitable for picking by hand.

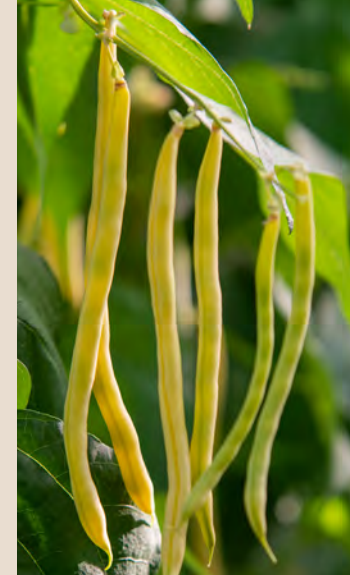


Article	Variety	Plant		Pod			
		Resistance* (HR)	Height	Earliness**	Colour	Length	Sorting
1215	Capitano	BCMV:1 / Ps / A	50 cm	+3 days	Yellow	15 cm	Flat, width 20 mm
1195	Nassau	BCMV:1 / Ps / A	50 cm	+3 days	Light green	16 cm	Flat, width 17 mm

\*For an explanation of these resistance codes, see page 36-37 \*\*Earliness in comparison to standard variety

# Climbing Bean

*Phaseolus vulgaris*



## Golden Gate

Climbing Flat Bean

Beautiful, yellow flat bean. Uniform with a slightly more open habit. Harvestable over a long period. Suitable for both greenhouse and outdoor production.

## Vitalis

Climbing Flat Bean

Beautiful, dark green flat bean. Due to its slower development, this variety has a high percentage of first-class pods. Suitable for both greenhouse and outdoor production.

## Cobra

Climbing French Bean

Attractive, stringless pole bean with very tall plants. Mid-early variety, suitable for both greenhouse and outdoor cultivation. Performs well with high yields, even in varying growing conditions. 'Cobra' has light green pods and slow-to-develop black seeds.

## Sunshine

Climbing French Bean

Climbing bean 'Sunshine' is the golden yellow variant of 'Cobra'. The slender pods grow up to 18 cm long and stand out beautifully against the bright green leaves. They can be picked right through until October, which encourages pod production. Can be grown under glass and outdoors.



Article	Variety	Plant		Pod		
		Resistance* (HR)	Height	Colour	Length	Width
1174	Climbing Flat Bean 'Golden Gate'	BCMV:1	200 cm	Yellow	24-26 cm	24 mm
1176	Climbing Flat Bean 'Vitalis'	BCMV:1	200 cm	Dark green	20-22 cm	20 mm
1172	Climbing French Bean 'Cobra'	BCMV:1 / A	300 cm	Light green	18-20 cm	7-9 mm
1173	Climbing French Bean 'Sunshine'	BCMV:1 / A	180 cm	Golden yellow	17-18 cm	9-10 mm

\*For an explanation of these resistance codes, see page 36-37

# Miscellaneous legumes



*Phaseolus coccineus*

## Lady Di

Runner Bean

Vigorous, stringless runner bean with a long harvest period. 'Lady Di' has green pods and slow-to-develop red and black seeds. The plants look beautiful when in full flower. After raising in the greenhouse, transplant outdoors to ensure setting is not impacted by heat stress.



*Pisum sativum*

## Sweet Horizon

Snow Pea

Beautiful, very productive, climbing snow pea. Due to its tolerance of *Asochyta* and its resistance, this is a reliable cropper, while its long, thick pods are easy to pick.

Article	Variety	Plant		Pod		
		Resistance* (HR)	Height	Colour	Length	Width
1205	Runner Bean 'Lady Di'	BCMV:1 / BYMV	300 cm	Green	28-30 cm	18-20 mm
1305	Snow Pea 'Sweet Horizon'	Er / Fop	120 cm	Darkgreen	9-10 cm	20-22 mm

\*For an explanation of these resistance codes, see page 36-37

# Broad Bean

Vicia faba

## Tip for growers

Sow these varieties at the same time, then they can be harvested one directly after another. Harvesting starts with the variety 'Ratio', followed ten days later by 'Eleonora'.



## Ratio

Broad Bean

Early, productive broad bean with an excellent pod shape, good pod set and a delicious flavour. Thanks to its branching habit, the crop stays short and is at less risk of lodging. Very flavoursome and suitable for freezing.

## Eleonora

Broad Bean

A selection from 'Express' which stays short, so the crop is not prone to falling over. 'Eleonora' is about 10 days later than 'Ratio' and has excellent long pods with a splendid flavour. The beans are ideal for freezing.



Article	Variety	Plant	Pod	Seeds per pod
		Height	Shape	
1212	Ratio	70-80 cm	Long, slender	4-5 seeds
1210	Eleonora	90-100 cm	Long, slender	5-6 seeds

# Other Crops



*Eruca sativa*

## Esmee

Rucola

Tender salad rocket with beautifully delicate pinnate leaves. The three-dimensional leaf shape helps create a firm, open structure in salad mixes and stops the leaves from sticking to the packaging. 'Esmee' is a fast growing variety that can be harvested 3-4 weeks after sowing. This rucola tastes peppery and not in the least bitter.



*Anthriscus cerefolium*

## Massa

Chervil

A dark-leaved, slow bolting chervil. The flat leaves of 'Massa' have a lovely, sweet, aniseed-like flavour and a delightful fragrance.

Not available for 2023 season.



*Scorzonera hispanica*

## VRN-Enorma

Scorzonera

One of the most productive varieties with remarkable length and smoothness of root. 'VRN-Enorma' has attractive foliage and is resistant to hollow crown. A uniquely delicious vegetable.



*Zea mays*

## My Fair Lady F1

Sweet Corn

High-yielding two-colour hybrid. 'My Fair Lady' produces slim cobs 18-20 cm long. The kernels have a soft texture and a very sweet flavour. Plant height approx. 160 cm.

# Flower Mixtures

Flower mixtures not only look great, they also encourage biodiversity in meadows, gardens and field margins. Bees find nectar there, insects find shelter and birds eat the seeds in the autumn. A delight for humans and animals.



## Tübingen Flower mixture

The annual Tübingen Flower mixture is a tried-and-tested bee and butterfly mixture suitable for gardens and field margins. The mixture consists of seeds of ornamental and cultivated plants: phacelia, buckwheat, white mustard, coriander, love-in-a-mist, marigold, cornflower, oilseed radish, mallow, borage, dill, common bird's foot and sunflower. Bees and other beneficial insects love this mixture, so it makes an important contribution to biodiversity. What's more, the plants are a feast for the eye.

## Field margin mixture 'M1'

The annual field margin mixture 'M1' has a positive impact on biodiversity along field margins. But this mixture also has another important function: it is specially formulated with plants that repel the bean seed fly. Buckwheat is the main component of Field margin mixture 'M1', along with species such as phacelia, borage, marigold, cornflower and cosmos. These plants are also an extremely important food source for pollinators such as bees.

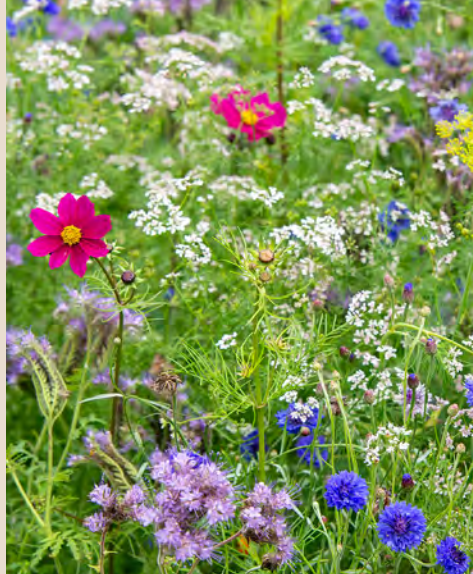
## Field margin mixture 'M2'

The annual field margin mixture 'M2' has a positive impact on biodiversity along field margins. It also increases the landscape value. It consists of oat, barley and buckwheat along with various annual meadow flowers such as cornflower, cowherb, borage and poppy. The image the mixture produces is reminiscent of a traditional grain field dotted with wildflowers. Field margin mixture 'M2' grows nice and dense and flowers right through to early autumn.



Article	Variety	Plant Height
1621	Tübingen Flower mixture	100-160 cm
1622	Field margin mixture 'M1'	60-100 cm
1619	Field margin mixture 'M2'	60-100 cm
1623	Flower mixture 'Elegance'	60-100 cm





## Flower mixture 'Elegance'

'Elegance' lives up to its name: this annual flower mixture contains varieties with small flowers and a delicate leaf structure. Pure elegance that is perfect for flower meadows and flower strips in public green spaces. The early bloomers such as phacelia and cowherb are followed by coriander, marigold, dill and cornflower. These help ensure a rich insect life by flowering in succession for many months. The mixture grows to about 1 metre in height, with the cosmos protruding whimsically above the rest in the autumn.



# Selection for growers

Varieties for professional growers

Art.	Species	Crop	Open-pollinated
<b>Leaf vegetables</b>			
2005	Allium fistulosum	Welsh Onion 'Ishikura Long White'	•
1365	Apium graveolens	Celery 'Tango F1'	
1366	Apium graveolens	Celery 'Mambo F1'	
1885	Beta vulgaris subsp. cicla	Chard 'Fireworks'	•
1032	Brassica juncea	Leaf Mustard 'Golden Frills'	•
1035	Brassica juncea	Leaf Mustard 'Purple Frills'	•
1720	Brassica rapa	Turnip 'Namenia'	•
1728	Cichorium intybus	Radicchio Rosso 'Leonardo F1'	
2030	Claytonia perfoliata	Winter Purslane	•
1760	Eruca sativa	Rocket 'Esmee'	•
1980	Lepidium sativum	Garden Cress 'Cressida'	•
2040	Portulaca oleracea	Summer Purslane	•
1921	Spinacia oleracea	Spinach 'Renegade F1'	
1610	Tetragonia tetragonioides	New Zealand Spinach	•
<b>Brassica</b>			
1441	Brassica oleracea	Cauliflower 'Bermeo F1'	
1442	Brassica oleracea	Cauliflower 'Liria F1'	
1451	Brassica oleracea	Curly Kale 'Darkibor F1'	
1456	Brassica oleracea	Curly Kale 'Redbor F1'	
1465	Brassica oleracea	Broccoli 'Belstar F1'	
1467	Brassica oleracea	Broccoli 'Covina F1'	
1466	Brassica oleracea	Sprouting Broccoli 'Santee F1'	
1581	Brassica oleracea	Brussels Sprouts 'Irene F1'	
1582	Brassica oleracea	Brussels Sprouts 'Hemera F1'	
1505	Brassica oleracea	Kale 'Nero di Toscana'	•
1481	Brassica oleracea	Kohlrabi 'Kolibri F1'	
1491	Brassica oleracea	Kohlrabi 'Konan F1'	
1511	Brassica oleracea	Red Cabbage 'Klimaro F1'	
1515	Brassica oleracea	Romanesco 'Veronica F1'	
1521	Brassica oleracea	Savoy Cabbage 'Cantasa F1'	
1535	Brassica oleracea	White Cabbage 'Caraflex F1'	
1541	Brassica oleracea	White Cabbage 'Impala F1'	
1471	Brassica pekinensis	Chinese Cabbage 'Emiko F1'	

Art.	Species	Crop	Open-pollinated
<b>Legumes</b>			
1205	Phaseolus coccineus	Runner Bean 'Lady Di'	•
1081	Phaseolus vulgaris	Dwarf French Bean 'Compass'	•
1218	Phaseolus vulgaris	Dwarf French Bean 'Dior'	•
1082	Phaseolus vulgaris	Dwarf French Bean 'Domino'	•
1083	Phaseolus vulgaris	Dwarf French Bean 'Faraday'	•
1172	Phaseolus vulgaris	Climbing French Bean 'Cobra'	•
1173	Phaseolus vulgaris	Climbing French Bean 'Sunshine'	•
1215	Phaseolus vulgaris	Dwarf Flat Bean 'Capitano'	•
1195	Phaseolus vulgaris	Dwarf Flat Bean 'Nassau'	•
1174	Phaseolus vulgaris	Climbing Flat Bean 'Golden Gate'	•
1190	Phaseolus vulgaris	Climbing Flat Bean 'Helda'	•
1176	Phaseolus vulgaris	Climbing Flat Bean 'Vitalis'	•
1270	Pisum sativum	Pea 'Eerste Vroege Mei'	•
1220	Pisum sativum	Pea 'Blauwschokker'	•
1305	Pisum sativum	Snow Pea 'Sweet Horizon'	•
1300	Pisum sativum	Snow Pea 'Norli'	•
1210	Vicia faba	Broad Bean 'Eleonora'	•
1212	Vicia faba	Broad Bean 'Ratio'	•
<b>Fruit vegetables</b>			
1621	Capsicum annuum	Blocky Pepper 'Olly F1'	
1622	Capsicum annuum	Blocky Pepper 'Elsa F1'	
1619	Capsicum annuum	Blocky Pepper 'Ilyn F1'	
1623	Capsicum annuum	Blocky Pepper 'Lilo F1'	
1618	Capsicum annuum	Blocky Pepper 'Waldo F1'	
1624	Capsicum annuum	Snack Pepper 'Arwen'	•
1625	Capsicum annuum	Snack Pepper 'Radja'	•
1626	Capsicum annuum	Snack Pepper 'Flynn'	•
1627	Capsicum annuum	Pointed Sweet Pepper 'Xaro'	•
1628	Capsicum annuum	Pointed Sweet Pepper 'Zazu'	•
1629	Capsicum annuum	Pointed Sweet Pepper 'Kyra'	•
1635	Capsicum annuum	Hot Pepper 'Koh Samui F1'	
1636	Capsicum annuum	Hot Pepper 'Koh Chang'	•
1637	Capsicum annuum	Hot Pepper 'Koh Tao'	•



Art.	Species	Crop	Open-pollinated
1612	Capsicum annuum	Pepper Rootstock 'Skyborn F1'	
1613	Capsicum annuum	Pepper Rootstock 'BOL-R-5103 F1'	NEW
1031	Cucumis sativus	Gherkin 'Adam F1'	
1431	Cucumis sativus	Cucumber 'Darwin F1'	NEW
1438	Cucumis sativus	Snack Cucumber 'Kaikura F1'	NEW
1642	Cucurbita maxima	Winter Squash 'Amoro F1'	
1655	Cucurbita maxima	Winter Squash 'Fictor'	•
1665	Cucurbita maxima	Winter Squash 'Solor'	•
1669	Cucurbita maxima	Winter Squash 'Uchiki Kuri'	•
1644	Cucurbita maxima	Winter Squash 'Tractor F1'	
1656	Cucurbita maxima	Winter Squash 'Leckør F1'	
1355	Cucurbita pepo	Courgette 'Ola Gabriella F1'	
1357	Cucurbita pepo	Round Courgette 'Ola Redonda'	•
1948	Solanum lycopersicum	Cherry Tomato 'Bartelly F1'	
1956	Solanum lycopersicum	Cherry Tomato 'Bronzy'	NEW •
1941	Solanum lycopersicum	Cherry-Plum Tomato 'Bolstar Baloe F1'	
1955	Solanum lycopersicum	Snack Tomato 'Ormato'	NEW •
1943	Solanum lycopersicum	Plum Tomato 'Bolstar Sensatica F1'	
1942	Solanum lycopersicum	Round Tomato 'Bolstar Gimli F1'	
1945	Solanum lycopersicum	Round Tomato 'Bolstar Granda'	•
1939	Zea mays	Sweet Corn 'My Fair Lady F1'	
<b>Root vegetables</b>			
2012	Allium cepa	Onion 'Hylander F1'	
2022	Allium cepa	Onion 'Redlander F1'	
2011	Allium cepa	Onion 'Albion F1'	
1411	Apium graveolens	Celeriac 'Balena F1'	
1055	Beta vulgaris	Beetroot 'Boro F1'	
1591	Brassica napus	Swede 'Helenor F1'	
2058	Daucus carota	Carrot 'Napoli F1'	
2059	Daucus carota	Carrot 'Negovia F1'	
2061	Daucus carota	Carrot 'Yellowstone'	•
1421	Foeniculum vulgare	Fennel 'Solaris F1'	
1731	Raphanus sativus	Radish 'Rudolf'	•
1770	Scorzonera hispanica	Scorzonera 'VRN-Enorma'	•

Art.	Species	Crop	Open-pollinated
<b>Herbs</b>			
3135	Anthriscus cerefolium	Chervil 'Massa'	•
3170	Lavandula angustifolia	Lavender	•
3160	Levisticum officinale	Lovage	•
3080	Melissa officinalis	Lemon Balm	•
3030	Ocimum basilicum	Basil 'Dark Opal'	•
3250	Salvia officinalis	Sage	•
3050	Satureja hortensis	Summer Savory	•
3270	Thymus vulgaris	Thyme 'German Winter'	•
3275	Thymus vulgaris	Summer Thyme	•
<b>Flower mixtures</b>			
6091	-	Field Margin Flower Mixture 'M1'	•
6092	-	Field Margin Flower Mixture 'M2'	•
6130	-	Tübingen Flowers, mixture	•
6131	-	Flower Mixture 'Elegance'	•
<b>Green manure</b>			
4100	Avena strigosa	Bristle Oat	•
4070	Fagopyrum esculentum	Buckwheat	•
4010	Lupinus angustifolius	Blue Lupin	•
4060	Ornithopus sativus	Serradella	•
4050	Phacelia tanacetifolia	Phacelia	•
4020	Raphanus sativus	Fodder Radish	•
4090	Secale cereale	Forage Rye	•
4040	Sinapis alba	White Mustard	•
4080	Trifolium incarnatum	Crimson Clover	•
4030	Vicia sativa	Summer Vetch	•

# Resistance

Resistance in our varieties is indicated with specific codes as stated in the table below. If a variety is resistant to more than one pest, the individual resistance codes will be separated by the symbol '/'.

Resistance is the ability of a plant variety to restrict the growth and/or development of a specified pest and/or the damage it causes when compared to susceptible plant varieties under similar environmental conditions and pest pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest pressure. Two levels of resistance are defined.

**High resistance (HR):** plant varieties that highly restrict the growth and/or development of the

specified pest and/or the damage it causes under normal pest pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest pressure.

**Intermediate resistance (IR):** plant varieties that restrict the growth and/or development of the specified pest and/or the damage it causes but may exhibit a greater range of symptoms or damage compared to high resistant varieties. Intermediate resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest pressure.

Varieties claiming the same level of resistance

against a specific pest may exhibit a different resistance response due to a different genetic makeup of a variety.

It is to be noted that if a resistance is claimed in a plant variety it is limited to the specified biotypes, pathotypes, races or strains of the pest. If no biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists. In this case resistance is only claimed against certain not further specified isolates of that pathogen.

New biotypes, pathotypes, races or strains that may emerge are not covered by the original resistance claim.



Crop		Code	Scientific name	Pest or pathogen
Cucumber	Fungus	Ccu	Cladosporium cucumerinum	Cucumber scab
	Fungus	Pcu	Pseudoperonospora cubensis	Cucumber downy mildew
	Fungus	Px	Podosphaera xanthii	Powdery mildew
	Virus	CGMMV	Cucumber green mottle mosaic virus	Cucumber green mottle mosaic virus
	Virus	CMV	Cucumber mosaic virus	Cucumber mosaic virus
	Virus	CVYV	Cucumber vein yellowing virus	Cucumber vein yellowing virus
Tomato	Virus	ToMV	Tomato mosaic virus	Tomato mosaic virus
	Fungus	Fol	Fusarium oxysporum f.sp. lycopersici	Fusarium wilt
	Fungus	For	Fusarium oxysporum f.sp. radialis-lycopersici	Fusarium crown and root rot
	Fungus	On	Oidium neolycopersici	Powdery mildew
	Fungus	Pf	Passalora fulva	Leaf mould
	Fungus	Va	Verticillium albo-atrum	Verticillium wilt
Pepper	Fungus	Vd	Verticillium dahliae	Verticillium wilt
	Virus	Tm	Tobacco mosaic virus	Tobacco mosaic virus
	Virus	PVY	Potato Y virus	Potato Y virus
	Nematode	Ma	Meloidogyne arenaria	Root-knot
	Nematode	Mi	Meloidogyne incognita	Root-knot
	Nematode	Mj	Meloidogyne javanica	Root-knot
Beans	Virus	BCMV	Bean common mosaic virus	Bean common mosaic virus
	Virus	BYMV	Bean yellow mosaic virus	Bean yellow mosaic virus
	Fungus	A	Colletotrichum lindemuthianum	Anthracnose
	Fungus	Er	Erysiphe pisi	Powdery mildew
	Fungus	Fop	Fusarium oxysporum f.sp. pisi	Fusarium wilt
	Bakterium	Ps	Pseudomonas syringae subsp. savastanoi	Halo blight

# 2023 Product Range

Art.	Species	Variety
<b>Leaf vegetables</b>		
2007	Allium cepa	Spring Onion 'White Lisbon'
2005	Allium fistulosum	Welsh Onion 'Ishikura Long White'
1695	Allium porrum	Leek 'Autumn Giant 2'
1690	Allium porrum	Leek 'Blauwgroene Herfst'
1365	Apium graveolens	Celery 'Tango F1'
1366	Apium graveolens	Celery 'Mambo F1'
1370	Apium graveolens	Celery 'Tall Utah 52/70'
1990	Atriplex hortensis	Garden Orache, green
2000	Atriplex hortensis	Garden Orache, red
1885	Beta vulgaris subsp. cicla	Chard 'Fireworks'
1890	Beta vulgaris subsp. cicla	Chard 'Perpetual Spinach'
1910	Beta vulgaris subsp. cicla	Chard 'Rhubarb Chard'
1915	Beta vulgaris subsp. cicla	Chard 'Sunset Selection'
1900	Beta vulgaris subsp. cicla	Chard 'White Silver 3'
1032	Brassica juncea	Leaf Mustard 'Golden Frills'
1035	Brassica juncea	Leaf Mustard 'Purple Frills'
1575	Brassica juncea	Leaf Mustard 'Red Giant'
1570	Brassica rapa	Pak Choi 'Taisai'
1572	Brassica rapa	Tatsoi
1725	Brassica rapa	Turnip 'Mizuna'
1720	Brassica rapa	Turnip 'Namenia'
1010	Cichorium endivia	Endive 'Batavian Broad Leaved'
1020	Cichorium endivia	Endive 'Wallonne' (Frisée)
1728	Cichorium intybus	Radicchio Rosso 'Leonardo F1'
1360	Cichorium intybus	Chicory 'Zuckerhut'
2030	Claytonia perfoliata	Winter Purslane
1380	Cynara cardunculus	Cardoon
1765	Diplotaxis tenuifolia	Wild Rocket 'Selvatica'
1760	Eruca sativa	Rocket 'Esmee'
1825	Mesclun	Mesclun 'Asian Mix'
1827	Lactuca sativa	Mesclun 'Salad Leaves'
1840	Lactuca sativa	Lettuce (Batavia) 'Blonde de Paris'
1780	Lactuca sativa	Lettuce (Romaine) 'Little Leprechaun'
1833	Lactuca sativa	Lettuce (Loose-Leaf) 'Salad Bowl'
1835	Lactuca sativa	Lettuce (Loose-Leaf) 'Red Salad Bowl'
1845	Lactuca sativa	Lettuce (Iceberg) 'Grazer Krauthauptel 2'
1850	Lactuca sativa	Lettuce (Iceberg) 'Saladin'
1800	Lactuca sativa	Lettuce (Butterhead) 'Suzan'
1790	Lactuca sativa	Lettuce (Butterhead) 'Victoria'
1820	Lactuca sativa	Lettuce (Butterhead) 'Marvel of Four Seasons'
1836	Lactuca sativa	Lettuce (Curly) 'Lollo Bionda'
1837	Lactuca sativa	Lettuce (Curly) 'Lollo Rossa'

Art.	Species	Variety
1830	Lactuca sativa	Lettuce (Cut-and-come-again) 'Black Seeded Simpson'
1832	Lactuca sativa	Lettuce (Cut-and-come-again) 'Catalogna'
1831	Lactuca sativa	Lettuce (Cut-and-come-again) 'Cocarde'
1980	Lepidium sativum	Garden Cress 'Cressida'
2040	Portulaca oleracea	Summer Purslane
1921	Spinacia oleracea	Spinach 'Renegade F1'
1920	Spinacia oleracea	Spinach 'Early Giant Leaf'
1935	Spinacia oleracea	Spinach 'Winter Giant'
1610	Tetragonia tetragonioides	New Zealand Spinach
1870	Valerianella locusta	Corn Salad 'Grote Noordhollandse'
1880	Valerianella locusta	Corn Salad 'Vit'
<b>Brassica</b>		
1441	Brassica oleracea	Cauliflower 'Bermeo F1'
1442	Brassica oleracea	Cauliflower 'Liria F1'
1445	Brassica oleracea	Cauliflower 'Flora Blanca'
1451	Brassica oleracea	Curly Kale 'Darkibor F1'
1456	Brassica oleracea	Curly Kale 'Redbor F1'
1455	Brassica oleracea	Curly Kale 'Roter Grünkohl'
1450	Brassica oleracea	Curly Kale 'Westland Winter'
1465	Brassica oleracea	Broccoli 'Belstar F1'
1467	Brassica oleracea	Broccoli 'Covina F1'
1460	Brassica oleracea	Broccoli 'Green Calabrese'
1466	Brassica oleracea	Sprouting Broccoli 'Santee F1'
1581	Brassica oleracea	Brussels Sprouts 'Irene F1'
1582	Brassica oleracea	Brussels Sprouts 'Hemera F1'
1580	Brassica oleracea	Brussels Sprouts 'Groninger'
1505	Brassica oleracea	Kale 'Nero di Toscana'
1481	Brassica oleracea	Kohlrabi 'Kolibri F1'
1491	Brassica oleracea	Kohlrabi 'Konan F1'
1480	Brassica oleracea	Kohlrabi 'Delikatess Blue'
1490	Brassica oleracea	Kohlrabi 'Delikatess White'
1500	Brassica oleracea	Kohlrabi 'Superschmelz'
1511	Brassica oleracea	Red Cabbage 'Klimaro F1'
1510	Brassica oleracea	Red Cabbage 'Langedijker Bewaar 2'
1515	Brassica oleracea	Romanesco 'Veronica F1'
1521	Brassica oleracea	Savoy Cabbage 'Cantasa F1'
1530	Brassica oleracea	Savoy Cabbage 'Bloemendaalse Gele'
1535	Brassica oleracea	White Cabbage 'Caraflex F1'
1541	Brassica oleracea	White Cabbage 'Impala F1'
1550	Brassica oleracea	White Cabbage 'Filderkraut'
1560	Brassica oleracea	White Cabbage 'Langedijker Bewaar'
1540	Brassica oleracea	White Cabbage 'Roem van Enkhuizen 2'
1471	Brassica pekinensis	Chinese Cabbage 'Emiko F1'

Art.	Species	Variety
1470	Brassica pekinensis	Chinese Cabbage 'Granaat'
<b>Legumes</b>		
1200	Phaseolus coccineus	Runner Bean 'Emergo'
1205	Phaseolus coccineus	Runner Bean 'Lady Di'
1081	Phaseolus vulgaris	Dwarf French Bean 'Compass'
1218	Phaseolus vulgaris	Dwarf French Bean 'Dior'
1082	Phaseolus vulgaris	Dwarf French Bean 'Domino'
1080	Phaseolus vulgaris	Dwarf French Bean 'Dubbele witte zonder draad'
1083	Phaseolus vulgaris	Dwarf French Bean 'Faraday'
1172	Phaseolus vulgaris	Climbing French Bean 'Cobra'
1173	Phaseolus vulgaris	Climbing French Bean 'Sunshine'
1160	Phaseolus vulgaris	Climbing French Bean 'Mechelse Tros'
1171	Phaseolus vulgaris	Climbing French Bean 'Neckargold'
1170	Phaseolus vulgaris	Climbing French Bean 'Neckarkönigin'
1215	Phaseolus vulgaris	Dwarf Flat Bean 'Capitano'
1195	Phaseolus vulgaris	Dwarf Flat Bean 'Nassau'
1174	Phaseolus vulgaris	Climbing Flat Bean 'Golden Gate'
1190	Phaseolus vulgaris	Climbing Flat Bean 'Helda'
1176	Phaseolus vulgaris	Climbing Flat Bean 'Vitalis'
1180	Phaseolus vulgaris	Climbing Bean 'Stokkievitsboon'
1270	Pisum sativum	Pea 'Eerste Vroege Mei'
1290	Pisum sativum	Pea 'Senator'
1240	Pisum sativum	Pea 'Kelvedon Wonder'
1220	Pisum sativum	Pea 'Blauwschokker'
1330	Pisum sativum	Snow Pea 'Grijze Roodbloeiende'
1320	Pisum sativum	Snow Pea 'Hendriks'
1310	Pisum sativum	Snow Pea 'Heraut'
1305	Pisum sativum	Snow Pea 'Sweet Horizon'
1300	Pisum sativum	Snow Pea 'Norli'
1210	Vicia faba	Broad Bean 'Eleonora'
1212	Vicia faba	Broad Bean 'Ratio'
<b>Fruit vegetables</b>		
1621	Capsicum annuum	Blocky Pepper 'Olly F1'
1622	Capsicum annuum	Blocky Pepper 'Elsa F1'
1619	Capsicum annuum	Blocky Pepper 'Ilyn F1'
1623	Capsicum annuum	Blocky Pepper 'Lio F1'
1618	Capsicum annuum	Blocky Pepper 'Waldo F1'
1620	Capsicum annuum	Blocky Pepper 'Jubilandska'
1624	Capsicum annuum	Snack Pepper 'Arwen'
1625	Capsicum annuum	Snack Pepper 'Radja'
1626	Capsicum annuum	Snack Pepper 'Flynn'
1627	Capsicum annuum	Pointed Sweet Pepper 'Xaro'
1628	Capsicum annuum	Pointed Sweet Pepper 'Zazu'

Art.	Species	Variety
1629	Capsicum annuum	Pointed Sweet Pepper 'Kyra'
1635	Capsicum annuum	Hot Pepper 'Koh Samui F1'
1636	Capsicum annuum	Hot Pepper 'Koh Chang'
1637	Capsicum annuum	Hot Pepper 'Koh Tao'
1640	Capsicum annuum	Hot Pepper 'Westlandse Lange Rode'
1612	Capsicum annuum	Pepper Rootstock 'Skyborn F1'
1613	Capsicum annuum	Pepper Rootstock 'BOL-R-5103 F1'
2027	Citrullus lanatus	Watermelon 'Sugar Baby'
1031	Cucumis sativus	Gherkin 'Adam F1'
1030	Cucumis sativus	Gherkin 'Hokus'
1431	Cucumis sativus	Cucumber 'Darwin F1' (BOL-K-5102)
1438	Cucumis sativus	Snack Cucumber 'Kaikura F1' (BOL-K-5404)
1430	Cucumis sativus	Cucumber 'Gele Tros'
1437	Cucumis sativus	Cucumber 'Telegraph Improved'
1435	Cucumis sativus	Cucumber 'Marketmore'
1642	Cucurbita maxima	Winter Squash 'Amoro F1'
1655	Cucurbita maxima	Winter Squash 'Fictor'
1665	Cucurbita maxima	Winter Squash 'Solor'
1669	Cucurbita maxima	Winter Squash 'Uchiki Kuri'
1644	Cucurbita maxima	Winter Squash 'Tractor F1'
1656	Cucurbita maxima	Winter Squash 'Lecker F1'
1670	Cucurbita maxima	Winter Squash 'Gele Centenaar'
1660	Cucurbita maxima	Winter Squash 'Groene Hokkaido'
1680	Cucurbita maxima	Winter Squash 'Zappalito'
1675	Cucurbita moschata	Muscat Squash 'Muscat de Provence'
1685	Cucurbita moschata	Butternut Squash 'Butternut'
1355	Cucurbita pepo	Courgette 'Ola Gabriella F1'
1356	Cucurbita pepo	Courgette (climbing) 'Ola Escaladora'
1357	Cucurbita pepo	Round Courgette 'Ola Redonda'
1350	Cucurbita pepo	Courgette 'Zucchini'
1352	Cucurbita pepo	Courgette 'Black Beauty'
1687	Cucurbita pepo	Delicata Squash 'Sweet Dumpling'
1645	Cucurbita pepo	Halloween Pumpkin 'Jack O'Lantern'
2080	Physalis pruinosa	Dwarf Cape Gooseberry
1948	Solanum lycopersicum	Cherry Tomato 'Bartely F1'
1971	Solanum lycopersicum	Cherry Tomato 'Cerise'
1972	Solanum lycopersicum	Cherry Tomato 'Yellow Clementine'
1970	Solanum lycopersicum	Cherry Tomato 'Zuckertraube'
1956	Solanum lycopersicum	Cherry Tomato 'Bronzy' (BOL-T-4702)
1941	Solanum lycopersicum	Cherry-Plum Tomato 'Bolstar Baloe F1'
1955	Solanum lycopersicum	Snack Tomato 'Ormato' (BOL-T-4701)
1943	Solanum lycopersicum	Plum Tomato 'Bolstar Sensatica F1'
1942	Solanum lycopersicum	Round Tomato 'Bolstar Gimli F1'

Art.	Species	Variety
1945	Solanum lycopersicum	Round Tomato 'Bolstar Granda'
1975	Solanum lycopersicum	Round Tomato 'Green Zebra'
1960	Solanum lycopersicum	Round Tomato 'Matina'
1973	Solanum lycopersicum	Round Tomato 'Mirabelle Blanche'
1974	Solanum lycopersicum	Round Tomato 'Tigerella Bicolore'
1951	Solanum lycopersicum	Beefsteak Tomato 'Coeur de Boeuf'
1950	Solanum lycopersicum	Beefsteak Tomato 'Marmande'
1025	Solanum melongena	Eggplant 'Violetta Lunga 3'
1939	Zea mays	Sweet Corn 'My Fair Lady F1'
1940	Zea mays	Sweet Corn 'Golden Bantam'
		<b>Root vegetables</b>
2012	Allium cepa	Onion 'Hylander F1'
2022	Allium cepa	Onion 'Redlander F1'
2011	Allium cepa	Onion 'Albion F1'
2021	Allium cepa	Onion 'Red Baron'
2025	Allium cepa	Onion 'Red Long of Florence'
2010	Allium cepa	Onion 'Rijnsburger 4'
2015	Allium cepa	Onion 'Stuttgarter'
1411	Apium graveolens	Celeriac 'Balena F1'
1410	Apium graveolens	Celeriac 'Roem van Zwijndrecht'
1055	Beta vulgaris subsp. conditiva	Beetroot 'Boro F1'
1065	Beta vulgaris subsp. conditiva	Beetroot 'Chioggia'
1060	Beta vulgaris subsp. conditiva	Beetroot 'Cylindra'
1040	Beta vulgaris subsp. conditiva	Beetroot 'Egyptische platronde'
1050	Beta vulgaris subsp. conditiva	Beetroot 'Detroit 2'
1591	Brassica napus	Swede 'Helenor F1'
1590	Brassica napus	Swede 'Friese Gele'
1710	Brassica rapa	Turnip 'Goldana'
1715	Brassica rapa	Turnip 'Milan White Red Top'
1700	Brassica rapa	Turnip 'Flat White May'
2050	Cichorium intybus	Chicory 'Hollandse Middelvroeg'
2058	Daucus carota	Carrot 'Napoli F1'
2059	Daucus carota	Carrot 'Negovia F1'
2061	Daucus carota	Carrot 'Yellowstone'
2055	Daucus carota	Carrot 'Amsterdam 2'
2060	Daucus carota	Carrot 'Nantes 2'
2070	Daucus carota	Carrot 'Autumn King 2'
1421	Foeniculum vulgare	Fennel 'Solaris F1'
1420	Foeniculum vulgare	Fennel 'Fino'
1425	Foeniculum vulgare	Fennel 'Perfection'
1630	Pastinaca sativa	Parsnip 'Tender and True'
3210	Petroselinum crispum	Root Parsley 'Halfflange'
1731	Raphanus sativus	Radish 'Rudolf'

Art.	Species	Variety
1730	Raphanus sativus	Radish 'Cherry Belle'
1740	Raphanus sativus	Radish 'French Breakfast 2'
1745	Raphanus sativus	Radish 'White Icicle'
1750	Raphanus sativus	Black Radish 'Black Spanish Round'
1770	Scorzonera hispanica	Scorzonera 'VRN-Enorma'
		<b>Herbs</b>
3040	Allium schoenoprasum	Chives
3060	Allium tuberosum	Chinese Chives
3090	Anethum graveolens	Dill
3130	Anthriscus cerefolium	Chervil 'Fijne Krul'
3135	Anthriscus cerefolium	Chervil 'Massa'
3260	Apium graveolens	Celery 'Gewone Snij'
3295	Barbarea vulgaris	Bittercress
3140	Borago officinalis	Borage
3120	Carum carvi	Caraway
3180	Cochlearia officinalis	Scurvy-grass
3150	Coriandrum sativum	Coriander
3110	Hyssopus officinalis	Hyssop
3170	Lavandula angustifolia	Lavender
3160	Levisticum officinale	Lovage
3080	Melissa officinalis	Lemon Balm
3020	Ocimum basilicum	Basil 'Genovese'
3035	Ocimum basilicum	Basil 'Cinnamon'
3030	Ocimum basilicum	Basil 'Dark Opal'
3037	Ocimum basilicum	Thai Basil
3190	Origanum vulgare	Oregano
3197	Petroselinum crispum	Parsley 'Comun 3'
3195	Petroselinum crispum	Parsley 'Giant of Italy'
3200	Petroselinum crispum	Parsley 'Moss Curled 2'
3015	Pimpinella anisum	Anise
3320	Rumex patientia	Patience Dock
3250	Salvia officinalis	Sage
3050	Satureja hortensis	Summer Savory
3270	Thymus vulgaris	Thyme 'German Winter'
3275	Thymus vulgaris	Summer Thyme
6020	Trigonella foenum-graecum	Fenugreek
		<b>Sprouting seeds</b>
9035	Allium tuberosum	Chinese Chives
9030	Brassica oleracea	Broccoli
9045	Brassica oleracea	Red Cabbage
9038	Brassica rapa	Turnip
9020	Eruca sativa	Rocket
9070	Helianthus annuus	Sunflower

# 2023 Product Range

Art.	Species	Variety
Sprouting seeds (continued)		
9010	Lepidium sativum	Garden Cress
9060	Medicago sativa	Alfalfa
9090	Ocimum basilicum	Basil
9036	Pisum sativum	Green Peas
9040	Raphanus sativus	Radish 'Daikon'
9041	Raphanus sativus	Radish 'Sango Purple'
9050	Sinapis alba	White Mustard
9037	Trigonella foenum-graecum	Fenugreek
9080	Vigna radiata	Mung Bean
Flowers, annual		
5030	Agrostemma githago	Corncockle
5040	Amaranthus hyp. x powelli	Prince's Feather
5070	Antirrhinum majus	Snapdragon
5090	Argemone polyanthemos	Crested Prickly Poppy
5130	Calendula officinalis	Pot Marigold
5140	Callistephus chinensis	China Aster, single-flowered
5150	Callistephus chinensis	China Aster, double-flowered
5160	Callistephus chinensis	China Aster 'Matsumoto Mix'
5170	Carthamus tinctorius	Safflower
5180	Centaurea cyanus	Cornflower
5270	Consolida ajacis	Doubtful Knight's Spur
5290	Cosmos bipinnatus	Garden Cosmos
5300	Cosmos sulphureus	Sulfur Cosmos
5330	Cynoglossum amabile	Chinese Hound's Tongue
5340	Delphinium grandiflorum	Siberian Larkspur
5370	Dracocephalum moldavicum	Moldavian Dragonhead
5380	Echium plantagineum	Purple Viper's Bugloss
5390	Eschscholzia caespitosa	Foothill Poppy
5400	Eschscholzia californica	Californian Poppy
5450	Helianthus annuus	Sunflower, large-flowered
5460	Helianthus annuus	Sunflower, medium, yellow
5470	Helianthus annuus	Sunflower, medium, red
5480	Helianthus annuus	Sunflower 'Velvet Queen'
5490	Helianthus debilis	Cucumberleaf Sunflower
5530	Ipomoea purpurea	Common Morning-Glory
5540	Lathyrus odoratus	Sweet Pea
5550	Lavatera trimestris	Annual Mallow
5590	Linum usitatissimum	Flax, blue
5620	Lupinus nanus	Dwarf Lupin
5630	Malva sylvestris	Common Mallow
5640	Malva sylvestris	Common Mallow 'Mauritanica'
5650	Matricaria chamomilla	Chamomile

Art.	Species	Variety
5730	Nigella damascena	Love-in-a-mist
5750	Papaver rhoeas	Common Poppy
5770	Papaver rhoeas	Common Poppy, mixed
5780	Papaver somniferum	Opium Poppy, white
5775	Papaver somniferum	Opium Poppy 'Black Paeony'
5790	Papaver somniferum	Opium Poppy, red
5850	Salvia viridis	Annual Clary Sage, purple
5860	Salvia viridis	Annual Clary Sage, pink
5950	Tagetes patula	French Marigold, wild
5940	Tagetes patula nana	French Marigold, small-flowered
6030	Tropaeolum majus	Garden Nasturtium, non-trailing
6040	Tropaeolum majus	Garden Nasturtium, trailing
6050	Vaccaria hispanica	Cow Herb, white
6060	Vaccaria hispanica	Cow Herb, pink
6070	Viola tricolor	Wild Pansy
Flowers, perennial		
7050	Agastache foeniculum	Anise Hyssop
7060	Alcea rosea	Hollyhock, mixed
7230	Dianthus barbatus	Sweet William
7300	Dipsacus fullonum	Wild Teasel
7320	Echinacea purpurea	Purple Coneflower
7322	Echinacea purpurea	Coneflower 'White Swan'
7820	Salvia sclarea	Biennial Clary Sage
Flower mixtures		
6090	-	Field Flowers, mixture
6091	-	Field Margin Flower Mixture 'M1'
6092	-	Field Margin Flower Mixture 'M2'
6100	-	Flower Mixture, high
6110	-	Flower Mixture, medium-high
6120	-	Flower Mixture, low
6130	-	Tübingen Flowers, mixture
6131	-	Flower Mixture 'Elegance'
Green manure		
4100	Avena strigosa	Bristle Oat
4070	Fagopyrum esculentum	Buckwheat
4010	Lupinus angustifolius	Blue Lupin
4060	Ornithopus sativus	Serradella
4050	Phacelia tanacetifolia	Phacelia
4020	Raphanus sativus	Fodder Radish
4090	Secale cereale	Forage Rye
4040	Sinapis alba	White Mustard
4080	Trifolium incarnatum	Crimson Clover
4030	Vicia sativa	Summer Vetch





# Our values

We work with nature, guided by the principles of organic agriculture.

- |          |   |
|----------|---|
| Care     | Protecting and cherishing the land and the animals. Keeping the planet liveable and healthy. Taking care of the soil, so that future generations will also be able to cultivate delicious products. |
| Ecology  | Promoting biodiversity, also in the choice of varieties and crops. And by working with nature, cycles, water, soil and plants.  |
| Health   | This goes beyond human health: it's also about healthy soils, plants and animals. By choosing organic, we are choosing a healthy system.  |
| Fairness | It stands for mutual respect, fair prices for farmers, integrity in the production and supply chain, with appreciation for every link.  |



# Terms and Conditions

General Terms and Conditions of Sale and Delivery of De Bolster by applicable to all offers and agreements based on the recommended General Terms and Conditions of Sale and Delivery for the Seed Trade and Planting Materials Sector as drawn up by the Vegetable Seeds Department of Plantum NL, Vossenburchkade 68, 2805 PC Gouda, the Netherlands.

## Article 1: Applicability

These terms and conditions are applicable to all offers and agreements between De Bolster bv (hereinafter referred to as the Seller) and the buyer, insofar as the parties have not expressly agreed otherwise in one or more clauses of these terms and conditions.

## Article 2: Offers and agreements

- Offers made by the Seller are non-binding. A non-binding offer can be revoked by the Seller up to three working days from receipt of its acceptance by the buyer. Prices quoted in an offer are exclusive of sales taxes. Prices are given in euros.
- The Seller reserves the right to adjust its prices periodically. Any new price quotation supersedes the former quotation as regards orders placed after the date of the new quotation.
- If in an order the required quantity differs from the Seller's standard packing unit or its multiple, the Seller will be free to supply the next higher quantity.
- All orders less than EUR 25.00 attract an administration charge of EUR 5.00.
- All weights and numbers given are net weights and numbers.

## Article 3: Order documentation

When placing its order, or at the Seller's first request, the buyer must specify in writing what information, specifications and documents are required pursuant to the regulations of the country in which the delivery is made, such as those relating to:

- invoicing
- phytosanitary requirements
- international certificates and
- other import documents or import statements.

## Article 4: Crop and processing reservation

All deliveries are subject to the usual crop and processing reservation. If the Seller invokes the crop and processing reservation for good cause, the Seller is not obliged to deliver but will endeavour to deliver pro-rata quantities or comparable alternatives. If the Seller invokes this reservation, the buyer is not entitled to any compensation whatsoever.

## Article 5: Delivery

- The Incoterms valid at the time the parties enter into an agreement will apply. Delivery will take place on an ex works basis.
- If transportation is to be left to the Seller, it will be executed in such a manner as deemed best by the Seller. Any extra costs incurred by the Seller as a result of special demands made by the buyer concerning transportation will be charged to the buyer.
- Contrary to paragraph 1 of this Article, deliveries to growers or plant breeders in the Netherlands are shipped free of charge.
- No returns will be accepted without the Seller's prior agreement. The buyer will be responsible for any return shipping costs.

## Article 6: Delivery period

The Seller is bound to deliver within a reasonable period in accordance with the sowing or planting season after the agreement has been concluded. An agreed delivery time, however, is not an expiration date. In the event of late delivery, the buyer must give the Seller written notice of default and grant the Seller a reasonable period of time within which to fulfil the agreement.

## Article 7: Partial deliveries

The Seller is permitted to make partial deliveries of the products. This will not apply, however, if a partial delivery has no independent value. In the event of partial deliveries, the Seller is entitled to invoice each delivery separately.

## Article 8: Retention of title

- The products delivered by the Seller remain the property of the Seller until the buyer has paid for them in full. This retention of title also applies to claims the Seller may acquire against the buyer on account of the buyer's failure to meet one or more of its obligations towards the Seller.
- The products delivered by the Seller to which the retention of title pursuant to paragraph 1 of this Article applies, may only be used or resold in the normal course of business. If they are resold, the buyer is obliged to demand retention of title from its own buyers.
- The buyer is not permitted to pledge or to otherwise encumber the products.

## Article 9: Terms of payment

- Payment is due within 14 days after the invoice date. After this period the buyer will be in default, in which case the buyer will owe interest to the Seller on the overdue amount at the rate of 1% per month as of the date of default.
- If the buyer is liquidated, declared bankrupt or granted a suspension of payment, the buyer's payment obligations will fall due immediately and the Seller will be entitled to suspend or cancel the agreement with the buyer, without prejudice to the Seller's right to seek compensation.
- If partial payments have been agreed and the buyer defaults on an instalment, the full remaining amount will fall due immediately without further notice of default being required. The provisions of the last sentence of paragraph 1 of this Article will apply accordingly.
- The bank transfer costs will be for the buyer's account.

## Article 10: Debt collection charges

If the buyer defaults on one or more of its obligations, then all costs of debt collection, out of court or in court, will be for the buyer's account.

## Article 11: Liability

- In the event that, in the Seller's opinion, a complaint by the buyer is justified, the Seller will, to the extent possible and at its sole discretion and expense, either make good the damage or replace the products with non-defective products. The buyer will in that event give its full co-operation to the Seller.
- The Seller will not be liable for loss or damage suffered by the buyer as a result of or otherwise related to defective products, including their packaging, unless such damage is the result of intentional misconduct or gross negligence on the part of the Seller and/or its employees.
- If the Seller is liable for any damage incurred by the buyer, the Seller's liability will never exceed the amount of the invoice (excluding VAT) for the delivery concerned, as charged to the buyer. The Seller will in no event be liable for any indirect loss or damage suffered by the buyer such as (but not limited to) consequential damage or loss of profit.
- The Seller will furthermore in no event be liable for loss or damage caused by an alleged delay in the delivery of the products.
- Any potential claim for compensation based on these General Terms and Conditions will expire in the event that no such claim has been issued to the Seller in writing within twelve months of the delivery of the products concerned.

## Article 12: Use and warranty

- The Seller guarantees that the products it delivers comply to the best of its ability to the relevant product specifications. However, the product specifications will not apply as a guarantee. The Seller will inform the buyer if the products delivered do not comply with the product specifications as mentioned in the Seller's catalogue for the current sales season.
- The Seller does not guarantee that the products it delivers to the buyer will comply with the purpose specified by the buyer. The buyer explicitly acknowledges that, even with the highest quality products, success in growing depends largely upon cultivation methods, weather and soil conditions.
- Any and all guarantees made by the Seller will lapse if the buyer processes the products or has them processed, repackages the products or has them repackaged, or uses and/or stores the products incorrectly or has them used/ or stored incorrectly.

## Article 13: Defects, complaint periods

- The buyer will examine the products on, or as soon as possible after, delivery and will inform the Seller within eight days after delivery if the incorrect products have been delivered and/or if the quantity delivered is not the agreed quantity.
- Complaints concerning visible defects to the products, including their packaging, must be reported to the Seller in writing within eight days after delivery to the buyer; complaints concerning non-visible or hidden defects to the products, including their packaging, must be reported to the Seller in writing within eight days of the date on which the alleged defect concerned was or could reasonably have been discovered by the buyer. Complaints must be described in such a manner that the Seller or a third party can verify them and must be filed stating the batch, delivery and invoice details. If the buyer does not file a complaint to the Seller in writing within the above applicable period, the buyer will no longer be entitled to any form of recovery, including damages.
- In the event of a continuing dispute between the parties about germination, varietal purity, trueness to type, or genetic or technical purity, an assessment may be performed at the request of either party by Naktuinbouw (ISTA station), which has its registered office in Roelofarendsveen, the Netherlands, for the account of the unsuccessful party. The outcome of the assessment by Naktuinbouw will be binding for both parties, without prejudice to the parties' right to submit any disputes on the consequences of this outcome to the authorities referred to in Article 20.

## Article 14: Indemnification

- The buyer will indemnify the Seller against all third party claims and rights for compensation for loss or damage caused, or allegedly caused, by or otherwise associated with goods supplied by the Seller, including claims and rights which have been submitted against the Seller in its capacity as producer of the products on the basis of any product liability regulations in any country whatsoever, except where said loss or damage is due to intentional misconduct or gross negligence on the part of the Seller.
- The buyer will take out adequate insurance against all possible claims and liabilities emanating from the indemnity given in Article 14.1; the insurance will be submitted to the Seller for approval at the Seller's first request.

## Article 15: Advice for cultural practices, variety descriptions, recommendations

- Any cultural advice provided by the Seller is non-binding. Descriptions and recommendations in whatever form are based as precisely as possible on experiences in trials and in practice. However, the Seller in no event accepts liability, on the basis of such information, for different results in the product grown. The buyer must determine whether the products are suitable for the intended crops and under the local conditions.
- In the information supplied by the Seller, the terms below will have the following meanings:
  - Immunity: Not subject to attack by a specified pest or pathogen.
  - Resistance: Ability of a cultivar to limit the development of a given pest or pathogen throughout all or part of a growing cycle. Several resistance levels may generally be defined.
  - Susceptibility: Corresponds to a zero resistance level of a cultivar with respect to a given pest or pathogen.
  - Tolerance: Ability of a cultivar to tolerate the development of a pest or pathogen whilst displaying disorders that are without serious consequences for its growth, appearance and yield.

## Article 16: Force majeure

- Force majeure is deemed to mean circumstances beyond the Seller's control which hamper fulfilment of the agreement. If and insofar as such circumstances unreasonably hamper or block fulfilment of the agreement, this will include: strikes in companies other than that of the Seller, unofficial or political strikes in the Seller's company, general shortages of required raw materials and other materials or services necessary for the fulfilment of the agreement, unforeseeable delays at suppliers or other third parties on which the Seller depends, and general transport problems.
- The Seller will inform the buyer as soon as possible in the event of force majeure conditions occurring.

- If a force majeure condition continues for longer than two months, both parties will be entitled to terminate the agreement. In such a case, the Seller will not be obliged to provide any compensation.

## Article 17: Further use/cultivation

- The buyer must not use the goods delivered for further propagation and/or reproduction of propagation material.
- If the goods delivered are sold on to a third party, the buyer must impose this stipulation on that third party under penalty of damages.

## Article 18: Usage of trademarks, logos and other symbols

- The buyer may not use trademarks, logos or other symbols used by the Seller to distinguish its products from those of other enterprises, and it may not use trademarks, logos or other symbols resembling them. This does not apply to the trading of the products in their original packaging which the Seller has, or has had, provided with trademarks, logos or other symbols.
- If the goods delivered are sold on to a third party, the buyer must impose this stipulation on that third party under penalty of damages.

## Article 19: Conversion

- If a provision of these general terms and conditions is invalid, that provision will automatically be replaced by a valid provision that corresponds as closely as possible to the purpose of the invalid provision.
- In that case the other provisions of the general terms and conditions will remain fully valid insofar as possible.

## Article 20: Settlement of disputes

In the event of any disputes arising out of or in connection with this agreement, the parties will attempt to resolve such disputes in a friendly way. Should this not be possible, the dispute will be settled by the competent first instance civil court at the domicile of the Seller, unless the applicable law referred to in Article 21 provides for another court of law. The Seller remains within its rights, however, to summon the buyer to appear in the court that is competent by law or by virtue of the applicable international treaty.

## Article 21: Applicable law

All agreements between the Seller and the buyer are governed by the law of the Seller's country of domicile. Furthermore, the United Nations Convention on the International Sale of Goods will apply if the Seller and the buyer are not domiciled in the same country, in as far as this Convention does not deviate from these terms and conditions and in as far as this Convention is not inconsistent with the law in the country of the Seller.

## Article 22: ISF Rules and Usages

All agreements with and/or offers for sale addressed to buyers domiciled outside the Netherlands are subject to the International Seed Federation (ISF) Rules and Usages for the Trade in Seeds for Sowing Purposes (ISF Rules and Usages, latest edition) insofar as the provisions of the ISF Rules and Usages do not differ from any of the provisions included in these terms and conditions.



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### Disclaimer

De Bolster Organic Seeds (De Bolster bv) has exercised reasonable care and skill in compiling this information.

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