












Cauliflower, Broccoli and Cabbage Overview 2018/19

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Cauliflower Overview

Variety	Segment	Grow Days UK	Grow Days Nordics and Baltic
Momentum	Early	70-80	70-80
Abeni	Early	75-85	75-85
SV5777AC	Early	80-90	80-90
Freedom	Main	70-75	68-73
Whitex	Main	72-77	70-75
Fortaleza	Main	75-80	73-78
SV5818AC	Main	80-85	80-85
Giewont	Main - Early Autumn	90-100	90-100
Aquata	Early Autumn	110-120	
SV5965AC	Early Autumn	120-130	
SV5982AC	Late Autumn	130-140	
SV5697AC	Winter	200-240	
Carantic	Winter	220-250	
Tenfold	Winter	270-290	

Early Cauliflower



SV5777AC

Vigorous variety bridging the gap between Abeni and Freedom

Crop Features:

Matures 80-90 days from planting

Upright plant habit allowing for quick and efficient harvest

Solid, bright curd with excellent presentation - suitable for both covered and uncovered production

CALENDAR UK AND IRELAND											
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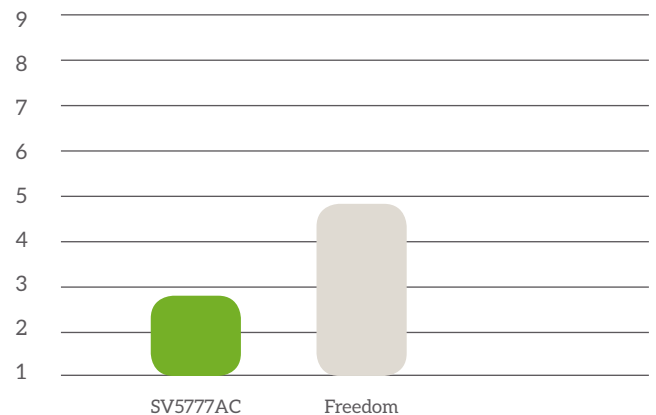
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■ Sowing ■ Planting ■ Harvesting

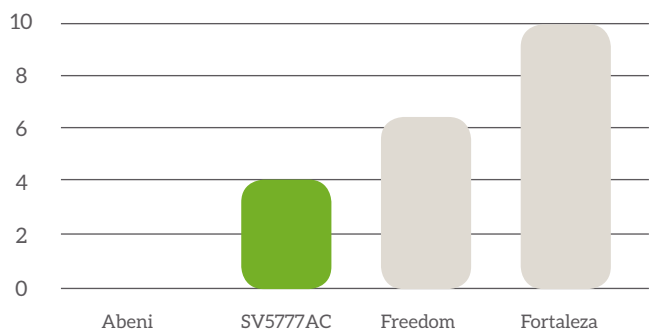
3 Reasons to choose SV5777AC

- Increasing labour costs means a greater drive for efficiency for cauliflower producers - SV5777AC matures uniformly and is easier to harvest than market standards maturing at the same time
- Its solid, white curd give an increased number of marketable heads per hectare compared to current standards
- SV5777AC provides an excellent link between early and main season varieties especially when grown in conjunction with Abeni, Freedom and Whitex.

Plant Habit 1 = very upright 9 = very open



Maturity compared with Abeni (days to 50% after Abeni)





Main Season Cauliflower



Freedom

Summer cauliflower with excellent vernalisation in hotter weather

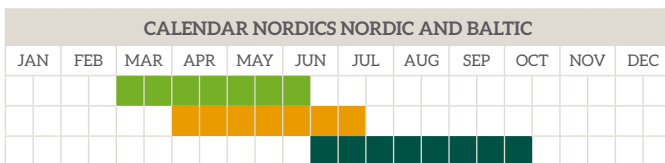
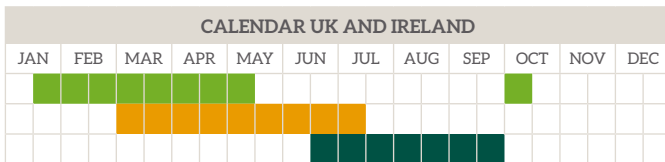
.....
Crop Features:

Matures in 70-75 days (UK); 68-73 days (Nordic)

Consistent grow days giving reliable harvest planning

Reliable curd production in hot weather

Vigorous variety especially suited to early summer production



■ Sowing ■ Planting ■ Harvesting



Fortaleza

High quality face-pack cauliflower

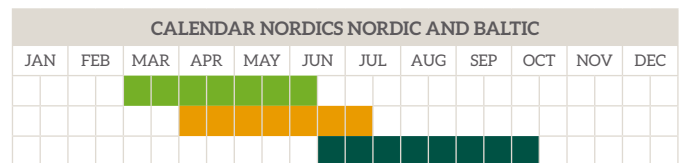
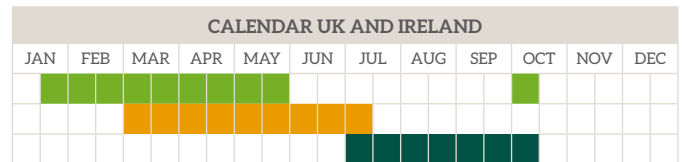
.....
Crop Features:

Matures in 75-80 days (UK); 73-78 days (Nordic)

Upright plant producing solid, smooth curds

Dense and solid florets meaning Fortaleza is suitable for both fresh and processing markets

Uniform maturity for more efficient harvests



Introducing Curdivex®



Our new Curdivex® Cauliflower is white, bright and easy to harvest!

The Curdivex® name came into existence from its key attributes 1.) the white curd, 2.) a diverse set of new genetics in our pipeline and 3.) the ability to give the grower a more flexible harvest window. Blend them together and the brand 'Curdivex®' was born.

To emphasize the white curd, which is the key feature of our new Curdivex® genetics, we wanted to create an image innkeeping with its main trait with some tag lines to draw further attention to its benefits.

Uniform Curds

for less harvest passes and faster crop turnaround

Easier harvest

due to the curd being more visible

Excellent shelf life

the curd will stay whiter for longer



Traditional Cauliflower

Curdivex® Cauliflower



Breeding Timeline:

Late 70's/Early 80's - An Egyptian landrace cauliflower was found to have a persistent white colour

1986 - Seminis started looking at the persistent white traits

1990 - A full scale backcrossing programme commenced to improve curd quality and curd colour

1990 to 2013 - The complexity of the trait which was controlled by multiple genes took many years to get usable hybrids

2014 - First small scale trials in the UK

2016 - First potentially marketable variety trialed in the UK

2017 - The number of small scale trials was increased and Curdivex® brand was introduced during the Brassica Innovation Days in the UK (Whitex - SVAC7366)

2018 - Seed for larger scale trials was available and the introduction of the first Curdivex® variety Whitex (SVAC7366) was made onto the European market

Whitex (SVAC7366)

First of our new bright, white and easy to harvest Curdivex® range

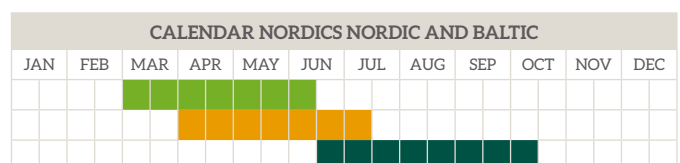
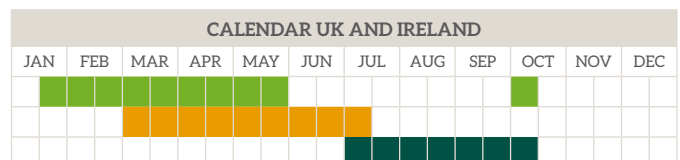
Crop Features:

Matures in 72-78 days (UK); 70-75 days (Nordic)

Vigorous, upright plant habit with bright, white curd

Easy to harvest due to the curd being more visible

Excellent shelf life with the curd staying whiter for longer



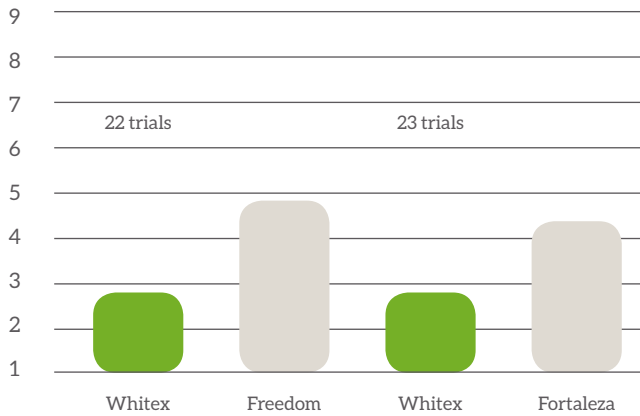
■ Sowing ■ Planting ■ Harvesting



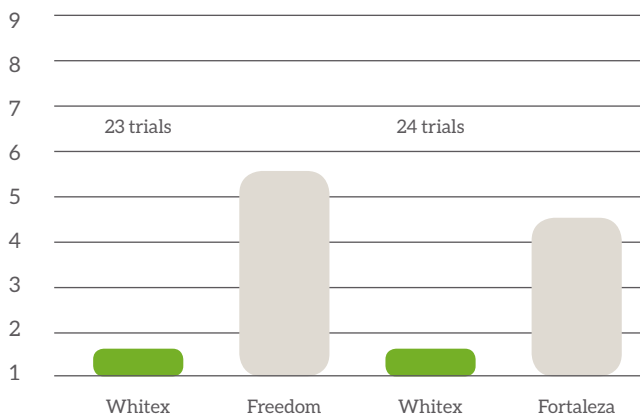
Main Season Cauliflower

Whitex Trials

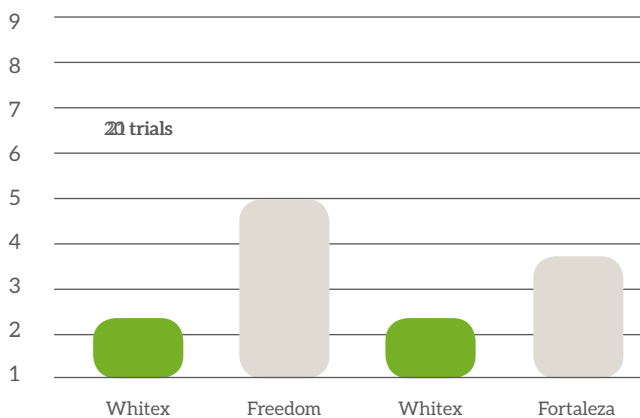
Plant Vigour 1 = very vigorous



Curd Colour 1 = white, 9 = yellow



Curd Firmness 1 = very firm



SV5818AC

Established class leading variety for main season cauliflower production

Crop Features:

Matures 80-85 days (UK & Nordics)

Vigorous variety with excellent cover and a solid curd harvesting from July to mid October

Suitable for both fresh market and processing

Upright plant habit with easy to harvest solid, white curds

CALENDAR UK AND IRELAND

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■ Sowing ■ Planting ■ Harvesting



Autumn Cauliflower



Giewont

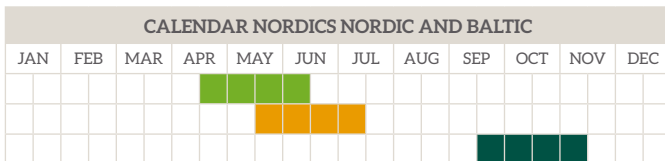
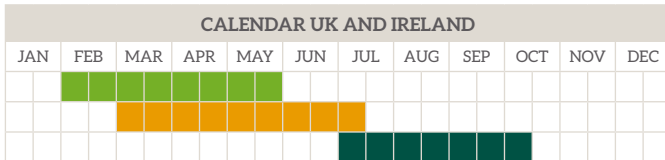
Popular processing variety used across North West Europe

Crop Features:

Matures 90-100 days (UK & Nordics)

Solid, dense curd giving high yields of quality florets for the processing industry

Vigorous variety performing particularly well for September and October harvests for both fresh market and processing



■ Sowing ■ Planting ■ Harvesting



Aquata

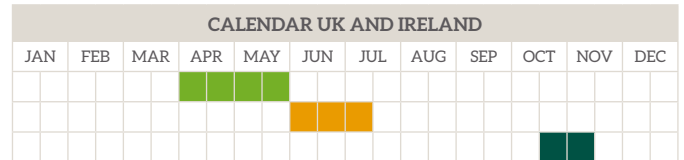
Erect and compact plant habit giving easy harvest

Crop Features:

Matures 110-120 days from planting

Upright foliage protecting a solid, heavy and white curd

Quick field turnover due to condensed harvest





Autumn Cauliflower



SV5965AC

Vigorous plant habit with excellent curd coverage

Crop Features:

Matures 120-130 days from planting

Concentrated harvest producing medium to large curds with good weight

Well wrapped cauliflower with good colour

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■ Sowing ■ Planting ■ Harvesting



SV5982AC

A late autumn variety for maturing from November onwards

Crop Features:

Matures 130-140 days from planting

Its tall frame tightly wraps the curd making the harvested product very easy to bag

Fluted leaf wrap provides additional protection to the curd

CALENDAR UK AND IRELAND											
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Winter Cauliflower



SV5697AC

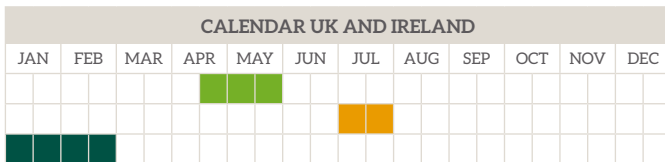
Extremely vigorous plant habit with light, deep veined, waxy green leaf

.....
Crop Features:

Matures 200-210 days in Cornwall and 230-240 days in Lincolnshire

A light green, deep veined, waxy leaf which gives excellent protection against frost

Well wrapped curd giving extra protection at a critical time of year



■ Sowing ■ Planting ■ Harvesting



Carantic

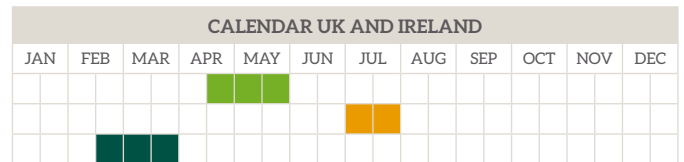
A vigorous plant with large leaves which has good frost tolerance

.....
Crop Features:

Matures 220-230 days in Cornwall and 240-250 days in Lincolnshire

Vigorous plant habit with strong leaf to produce a high percentage cut at a difficult time of the year

High quality, smooth curd with excellent coverage





Winter Cauliflower



Tenfold

Tenfold is a late winter cauliflower maturing in April

.....
Crop Features:

Matures 270-280 days in Cornwall and
280-290 days in Lincolnshire

Excellent frost tolerance and a condensed
harvest window

High reliability in periods where
temperatures can fluctuate

CALENDAR UK AND IRELAND											
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■ Sowing ■ Planting ■ Harvesting



Broccoli Overview

Variety	Segment	Grow Days UK	Grow Days Nordics
Tinman	Early	70-80	70-80
Ironman	Main	70-80	70-80
Titanium	Main	70-80	70-80
Shard (SVBL0224)	Main	70-80	70-80
SV1002BL	Main	75-85	75-85
Steel	Main	80-90	80-90
Sibsey	Main - stem	60-75	60-75





Main Season Broccoli



Titanium

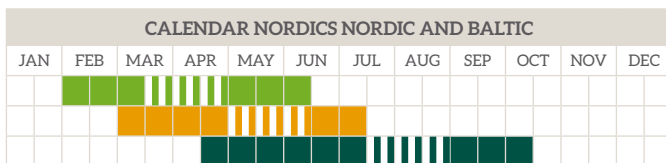
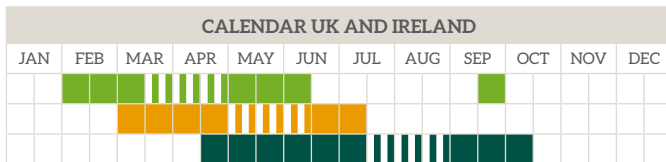
Higher headweight, longer lasting

Crop Features:

Matures in approximately 75 days from planting

Heavy, dense heads with improved field holding and shelf life

Best suited for early summer and autumn production

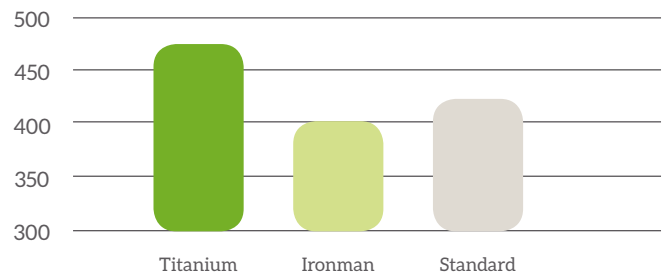


■ Sowing ■ Planting ■ Harvesting

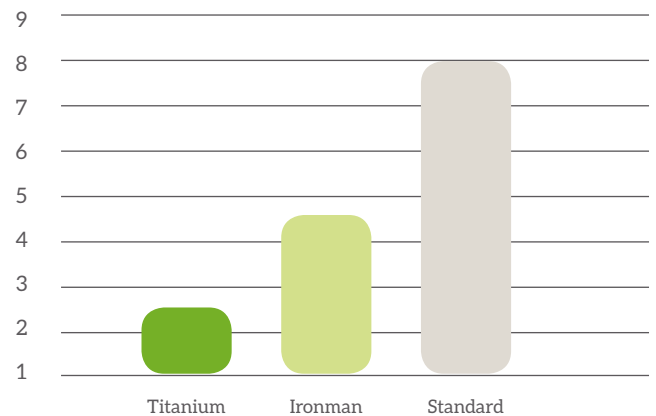
3 Reasons to choose Titanium

- Titanium is easier and more efficient to harvest due to having less leaves to remove and giving greater harvest uniformity than our current standards Ironman and Steel.
- Its dense, heavy head give the variety longer shelf life allowing growers to better manage peaks and troughs
- Due to its higher yield potential it comfortably meets market specifications without losing head quality

Average Headweight (g)



Ease of Harvest 1 = good 9 = poor





Main Season Broccoli



Shard (SVBL0224)

Shard is a new broccoli variety maturing at similar timing to Ironman for use for autumn production

Crop Features:

Matures in approximately 75 days from planting

Vigorous cool season variety best suited to autumn production giving excellent head weights and good field holding compared to Ironman

Dark green, fine beaded, firm head with uniform maturity to increase harvest efficiency

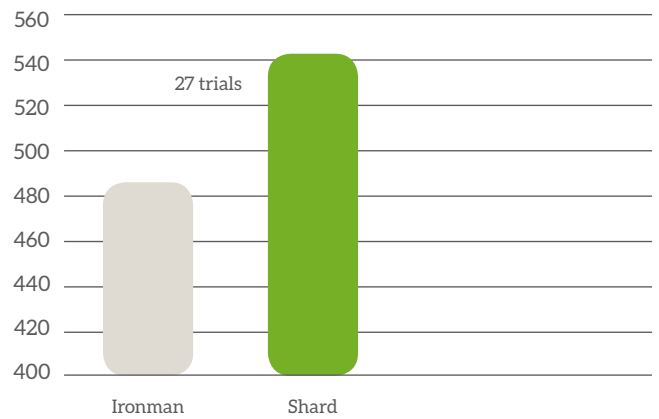
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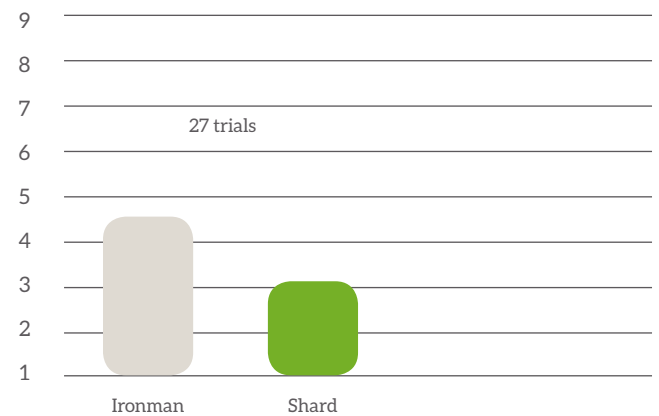
■ Sowing ■ Planting ■ Harvesting

Shard Trials

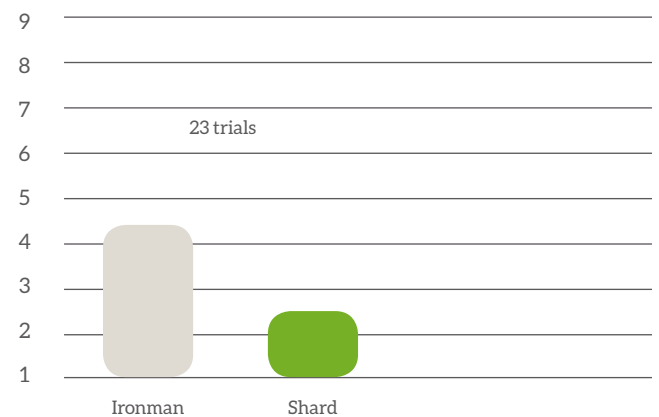
Average Headweight (g)



Bead Size Rating 1 = very fine



Head Firmness Rating 1 = very firm





Main Season Broccoli



SV1002BL

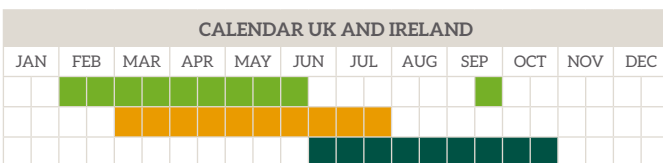
Improved plant health, enhanced crop performance. SV1002BL provides resilience in tough growing conditions due to its excellent disease tolerance

Crop Features:

Consistent performer especially at times of higher disease pressure

Medium beaded variety producing heavy, dense, firm crowns

Increased harvest uniformity and easier cleaning combined with good hollow stem tolerance

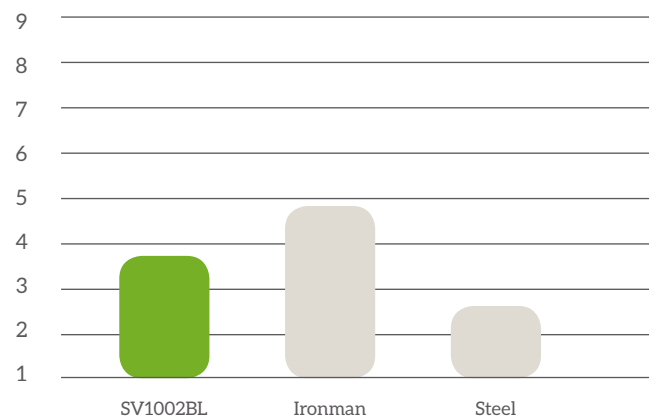


■ Sowing ■ Planting ■ Harvesting

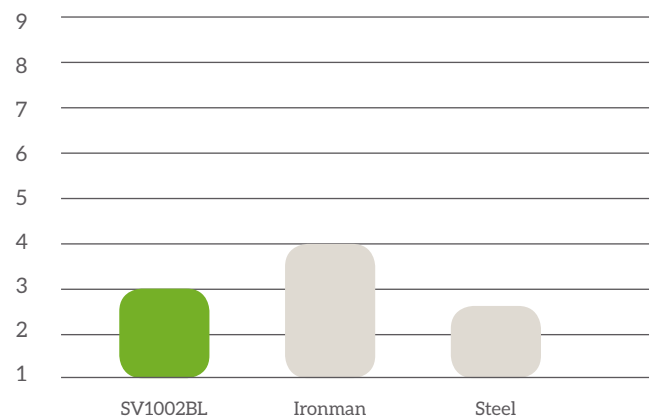
Why SV1002BL?

- Ability to produce heavy headweights mean it is suitable for both fresh market and processing meaning it is quickly becoming a very important variety both in the UK and Poland.
- It has more uniform maturity which can reduce harvest costs
- It has improved tolerance to diseases such as White Blister and Systemic Downy Mildew compared to Ironman
- It gives excellent continuity of supply when grown with Ironman and Steel

Bead size 1 = very fine



Crown Firmness 1 = very firm





Main Season Broccoli



Steel

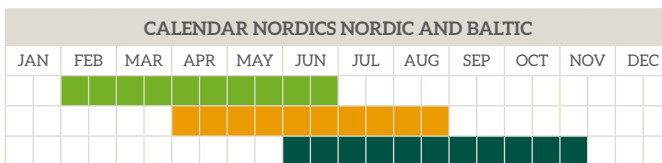
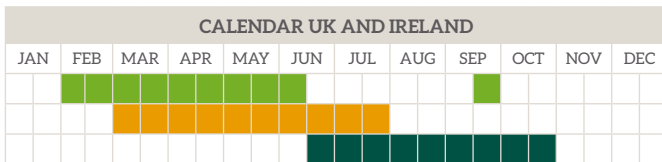
High quality broccoli with a domed head and fine bead size

Crop Features:

Matures approximately 85 days after planting

Provides excellent quality heavy heads with good tolerance to hollow stem, spear rot and systemic downy mildew especially in September and October

Gives good continuity of supply when grown with Ironman/Titanium and SV1002BL



■ Sowing ■ Planting ■ Harvesting



Sibsey

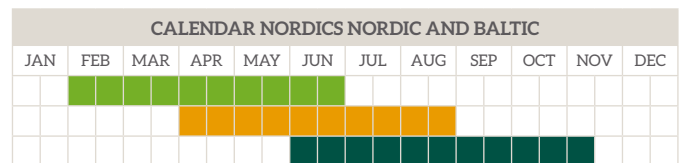
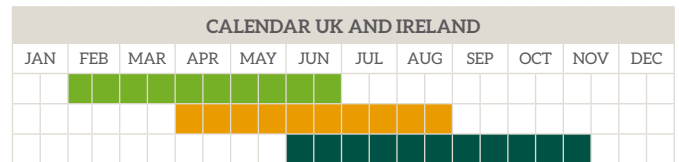
Sibsey is a speciality stem broccoli that is prized for its small compact heads which have a sweet and tender stem

Crop Features:

Main head appears approximately 55-60 days post planting - pinch out at thumbnail size

Multi harvest variety with side shoots ready approximately 7-10 days after the main head is removed

Dark green stem with fine beaded mini broccoli head



Broccoli Sowing Calendar 2018/19 Nordic & Baltic



VARIETY	SEGMENT	AV. GROW DAYS	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Tinman	Early	70-80 days	■											
SV3277BL	Main	70-80 days	■	■	■	■	■	■	■	■	■	■	■	■
Ironman	Main	70-80 days	■	■	■	■	■	■	■	■	■	■	■	■
Titanium*	Main	70-80 days	■	■	■	■	■	■	■	■	■	■	■	■
Shard	Main	70-80 days					■	■	■	■				
SV1002BL*	Main	75-85 days	■	■	■	■	■	■	■	■	■	■	■	■
Steel	Main	80-90 days			■	■	■	■	■	■	■	■	■	■
Sibsey	Main - stem	60-75 days		■	■	■	■	■	■	■	■	■	■	■

■ Sowing ■ Planting ■ Harvesting

*For best use of these varieties in the summer months in your area please contact your local Seminis Sales Specialist.



Summergreen

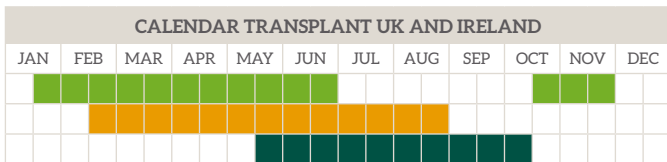
Summergreen is a high yielding, uniform hybrid Premier Green suitable for summer production

Crop Features:

Matures approximately 65-75 days after planting

Dark green leaf with excellent basal quality

Uniform maturity for quick and efficient harvest



■ Sowing ■ Planting ■ Harvesting



SV7027JG

(CMS Evergreen)

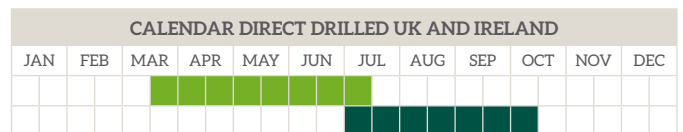
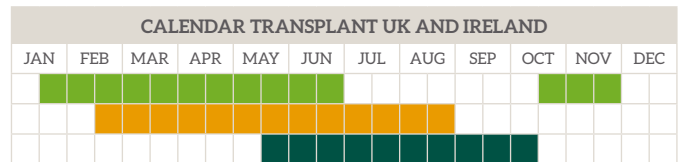
Suitable for both fresh market and processing giving versatility of end use

Crop Features:

Matures approximately 70-80 days after planting

Slow to heart giving good field holding in summer production

Gives good continuity of supply when grown in conjunction with Summergreen





Winter Special

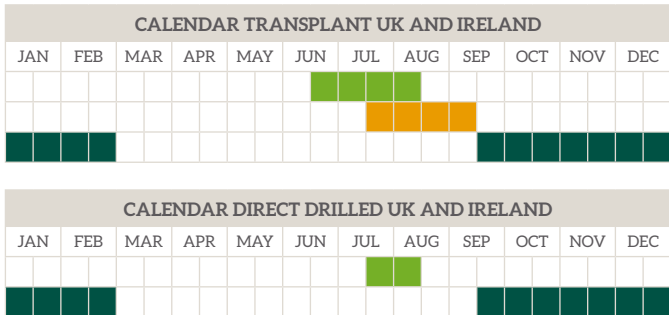
Uniform, high yielding and winter hardy Premier Green

Crop Features:

Suitable for harvest through late autumn and winter

Uniform growth with excellent harvest window due to slow heart formation

Better basal uniformity compared to open pollinated varieties



■ Sowing ■ Planting ■ Harvesting



Wintersupreme

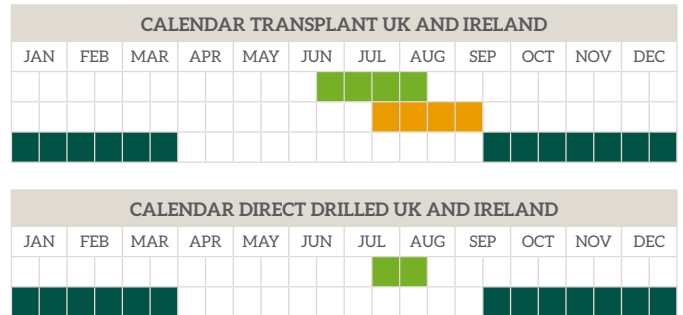
Standard UK winter and early spring Premier Green

Crop Features:

Suitable for harvest through late autumn, winter and early spring

High quality dark green leaf maturing slightly later than Winter Special

Slow to heart with excellent green to yellow ratio making Wintersupreme very suitable for processing



Cabbage Overview

White Cabbage								
Variety	Grow Days	Shape	Weight (kg)	Planting Density mk/ha	End Use			
					Fresh Market	Processing	Storage	Dutch White Market
Early Varieties								
Rapidion	55	E	0.75-1.5	40-60	+++			
Pandion	55	E	0.75-1.5	40-60	+++			
Summer Maturing Varieties								
Rinda	90	E	4.0-8.0	25-35	++	++		
SV3336JB	90-100	E	3.0-5.0	25-35	+++	+++		+
Autumn Maturing Varieties								
Galvatron	115-120	E	1.0-3.5	25-45	+++	++	++	+
SV3388JL	125-130	E	1.0-4.0	30-50	+++	+++	+++	+
SV3389JL	130-135	E	1.0-3.5	30-50	+++	+++	+++	+
SV3404JL	140-145	E	1.0-4.0	30-50	+++	+++	+++	+
SV3394JH	150	F	4.0-8.0	22-30	+++	+++	+	
Fundaxy	155	F	3.0-6.0	25-35	+++	+++	+++	
Kronos	165	F	4.0-6.0	25-35	+++	+++	+++	
Red Cabbage								
Zelox	145	D	3.0-5.0	25-40	+++	+++	++	
Rona	160	E	1.0-3.5	25-50	+++	+++	+++	
Roxy	160	D	1.0-3.5	25-50	+++	+++	+++	

Shape of cabbage:





White Cabbage



Rapidion

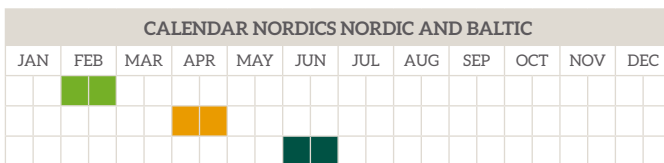
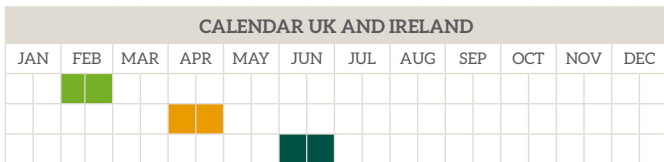
Rapidion is a green, round cabbage suitable for early summer production

Crop Features:

Matures in approximately 55 days from planting

Rapid early growth is the main characteristic of this variety

Heads have good tolerance to cracking



■ Sowing ■ Planting ■ Harvesting



SV3336JB

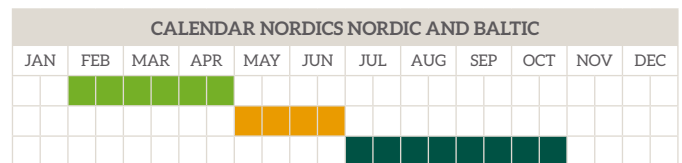
Healthy, vigorous variety

Crop Features:

Matures in 90-100 days

This cabbage has dark green leaves with the cabbage set high in the plant to aid quicker harvest

It has an attractive shape and colour and can reach weights of 3-5kg depending on density





White Cabbage



Galvatron

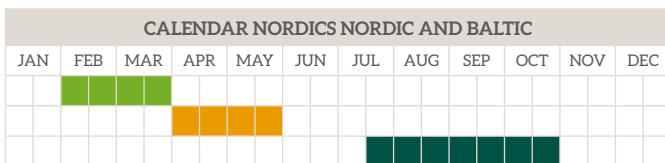
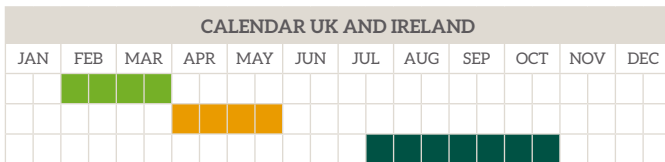
High quality variety suitable for long term storage

Crop Features:

Matures in 115-120 days

Round heads with an abundant wax layer keeps the crop healthy

White cabbage variety giving headweights of 1-3.5kg



■ Sowing ■ Planting ■ Harvesting



SV3404JL

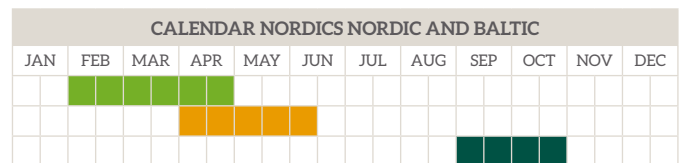
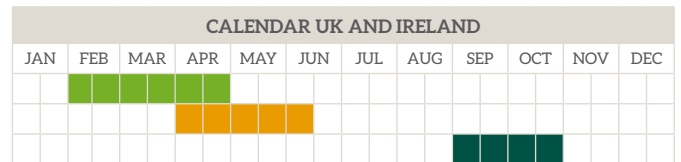
A new cabbage variety for long term storage ideally suited for whole head supply to the supermarket

Crop Features:

Matures in 140-145 days

Has an erect plant habit and produces well filled heads which sit high in the plant.

Can produce heads of 1-4kg depending on density





White Cabbage



SV3394JH

This cabbage is ideal for the processing industry

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Crop Features:

Matures in approximately 150 days from planting

Heavy, round heads produced from a plant with strong vigour and waxy leaves

It has a good internal structure and is suitable for medium term storage

CALENDAR UK AND IRELAND

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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CALENDAR NORDICS NORDIC AND BALTIC

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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■ Sowing ■ Planting ■ Harvesting

Red Cabbage



Zelox

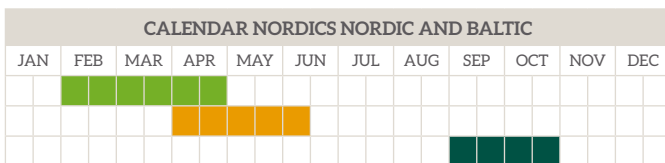
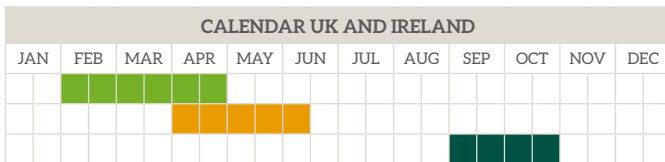
This is a red cabbage suitable for the processing industry.

Crop Features:

Matures in approximately 145 days from planting

It is a vigorous and high yielding variety

Late maturing red cabbage suitable for medium term storage



■ Sowing ■ Planting ■ Harvesting



Rona

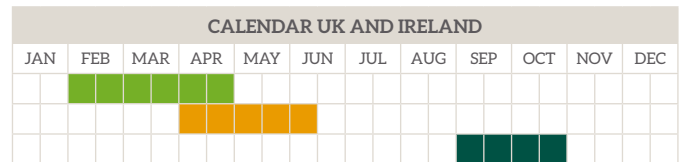
Rona is a healthy red cabbage suitable for long term storage

Crop Features:

Matures in approximately 160 days from planting

It has intense red leaves which retain their strong colour even after storage

Rona can reach weights of 1-3.5kg



Red Cabbage



Roxy

This cabbage is suitable for long term storage

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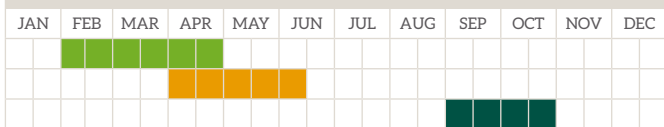
Crop Features:

Matures in approximately 160 days from planting

Roxy forms compact, uniform heads with a slight elongated shape weighing 1-3.5kg.

It has good tolerance to both fungal and bacterial diseases and has good tolerance to thrips

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