CUT FLOWER TREASURES 2021-2022

ANTHIRRHINUM | BRASSICA | DELPHINIUM | HELIANTHUS | LISIANTHUS | MATTHIOLA



Welcome to our brand-new Cut Flower Catalogue

In this catalogue, we proudly present our Anthirrhinum, Brassica, Delphinium, Helianthus, Lisianthus and Matthiola series.

For further information please contact your sales representative. See our contact details on the last page.

Your Takii Team

Sturdy stems and strong flower petals for good cut flower transportation and vase life.

Dense flower spikes and intense colours make an impressive accent in flower arrangements.

Light Pink is slightly shorter (95 cm / 37 inches) than other colours (100-130 cm) / 39-51 inches.



Light Pink FKG604

Legend F1 Series (Group 1)

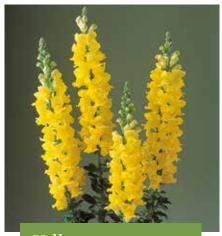
Antirrhinum majus (Snapdragon)

Germination temperature 15-20°C *Days to germinate* 10-12 days

Stem length 100-130cm



Pink FKG603



Yellow FKG601



White FKG602

Crane F1 Series

Brassica oleracea

Tough guy; cold resistant | Conservable and perfect vase life

Germination temperature 20-25°C

Days to germinate 4-5 days *Stem length* 60-90cm

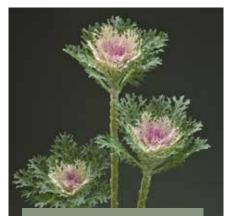
ing Kale

Round leaf type

Winter bouquets are much more charming with the round shape, varied colours and long-lasting vase life of the Crane series.

Genetically, the flower head was bred to be compact; however, plant spacing will determine the size of the flower as well.

Crane Pink, Red and White have a very uniform, upright habit and complement each other very well.



Feather King FHB703 - VBN116213



Feather Queen FHB702 - VBN116214

Feather leaf type

Cut flower Brassica with feathery leaves.

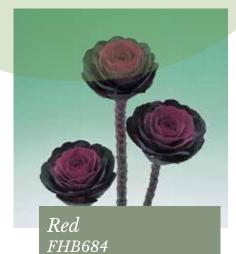
Feather Queen and Feather King have a very uniform, upright habit and complement each other very well.

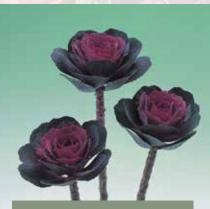


Bicolour FHB701



Fink FHB690





Rose FHB685 - *VBN22594*



Ruby FHB683 - VBN114468



White FHB652 - VBN15155

Flare F1 Series

Brassica oleracea

Flowering kale

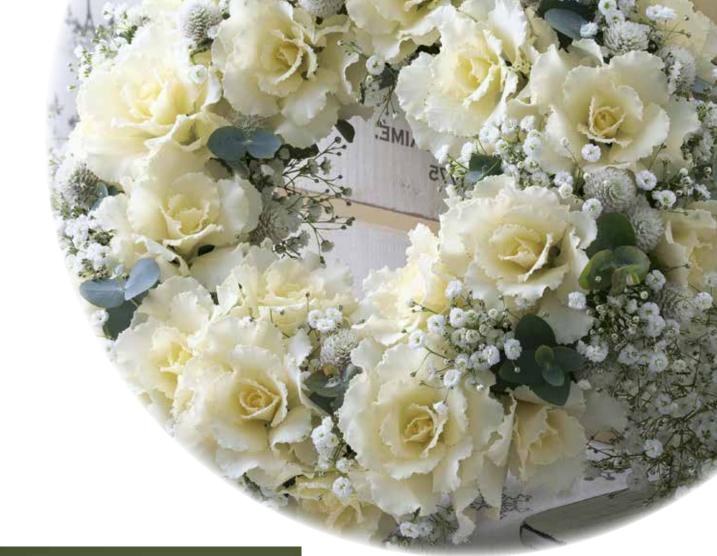
Germination temperature 20-25°C

Days to germinate 4-6 days *Stem height* 60-110cm

Very early maturity and easy to get tall stem.

Flare Rose and Flare White have very uniform, wavy leaves, upright habit.

Flare White has such a pure white colour that is also well suited for dyeing





Rose FHB693



White FHB692

Aurora F1 Series

Delphinium elatum

Excellent as garden plants or large container plants

Germination temperature 15-20°C *Days to germinate* 10-12 days

Stem length 90-120cm

Takii's F1 hybrid Aurora Delphinium's popularity continues to increase due to its outstanding performance as a cut flower as well as a garden perennial.

Excellent uniformity and quality.

Stems are very sturdy and leaves are relatively small, which make it ideal for cut flower use.



Blue FDL205



Deep Purple FDL208



Lavender FDL207



Light Blue FDL211 - 110015



Light Purple FDL212 - VBN115594



White FDL213 - VBN25904

Variety Comparison among Series

	Variety	Flowe	er Size	Plant Height				
1	Vallety	cm inch						
	Blue	5.5	2.2	С	Taller A			
	Deep Purple	5.5	2.2	А				
3	Lavender	6.0	2.5	С				
	Light Blue	5.5	2.2	В	В			
ł	Light Purple	5.5	2.2	С				
	White	6.0	2.5	С	Shorter C			

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

Seed Storage

Store seeds under dry and low temperature (approx. 5°C/40°F) condition. Storing seeds at room temperature (above 18°C/46°F) may result in very low germination.

Tips for cultivation

•Warm temperatures and long day conditions induce flowering.

- Plug finish time is 5-6 weeks. During this time, optimal growing temperatures are 15-25°C/60-78°F.
- 2-3 weeks after transplanting the flowering stems will start to elongate.• Short day conditions will induce rosetting. When plants have fewer than 5 true
- leaves, temperatures below approximately 15°C/60°F will also induce rosetting. •Under short day conditions, 4 hours of night interruption will help initiate and
- develop flowering.





Sunrich® DMR F1 Series

Helianthus annuus

Sunrich Orange DMR | Sunrich Summer DMR

Germination temperature 18-20℃ *Days to germinate* 4-6 days *Stem length* 130-190cm

- With the introduction of F1 Sunrich Orange DMR, Helianthus production will drastically change
- Growers have less to worry about downy mildew problems. This DMR breakthrough's added-value provides substantial benefits with high yield results and the reduction of chemical use
- Resistant to multiple strains of downy mildew (plasmopara halstedii)
- Plant height, growing speed as well as flower shape and colour are similar to F1 Sunrich Orange

<Disclaimer>

*1. F1 Sunrich Orange DMR highly restricts the growth and development of the above stated pathogen and the damage they cause under normal pathogen pressure when compared to susceptible varieties.

- It may, however, exhibit some disease symptoms or damage under heavy pathogen pressure.
- *2. New and / or atypical strains of the specified pathogen may overcome the resistance, sometimes completely.



The Sunrich DMR series is the world's first downy mildew highly-resistant variety for ornamental Helianthus.

What is Downy Mildew (Plasmopara halstedii)?







Plasmopara halstedii is one of the major plant pathogens that infect Helianthus. The symptom shows as light yellowish-green spots on the upper side of leaves alongside main veins.

It eventually grows and spreads to become a lesion, and on its underside light gray mold grows.

Severely infected plants will not have ornamental value.

The stems will not reach enough height and will not be good quality cut flowers.



Sunrich[®] F1 Series

Helianthus annuus

Sunrich Orange | Sunrich Gold | Sunrich Lemon

Germination temperature 18-20°C Days to germinate 4-6 days *Stem length* 140-195cm

The Sunrich series has superb quality and is maintaining its leading position in the Helianthus market.

Flowers of the Sunrich series are pollenless, long-lasting, densely petalled and have strong stems.

The series flowers in 55-70 days after sowing depending on growing conditions.



Gold FHM515 - VBN21680



Lemon FHM511 - VBN10727



Orange FHM512 - VBN12156



Sunrich® Summer F1 Series

Helianthus annuus

Limoncello | Orange | Provence

Germination temperature 18-20°C Days to germinate 4-5 days *Stem length* 120-180cm

Limoncello Summer presents a stable bicolour of vibrant yellow transitioning to a light, creamy yellow at the tips. This uniqueness brings a great accent to the Helianthus market.

Sunrich Orange Summer F1 flowers 5 to 10 days earlier than Sunrich Orange F1, but the flower shape and colour are identical to Sunrich Orange, respectively.

Suitable for spring to summer cultivation with sowing and growing under longday conditions.



Limoncello FHM456 - VBN112478



Orange Summer FHM520 - VBN12156



*Provence FHM*462 - *VBN*120471

45-55 day type

Premier F1 Series

Helianthus annuus

Alpha | Lemon | Orange

Germination temperature 18-20°C Days to germinate 4-6 days Stem length 100-160cm

Premier series is a non-branching F1 hybrid pollenless Helianthus.

Premier is extra-early offering a very short crop time of approximately 45-55 days from sowing with excellent uniformity.

Sowing is recommended under long day conditions for early summer harvest to secure enough stem length.

Stable colour of petals.





Lemon FHM517 - VBN27072



Orange FHM455 - VBN27071

A unique colour combination of cream and purple.

Marley has a good plant height.

Genetically some colour variation.



Helianthus annuus

Bicolour Sunflower

Germination temperature 18-20°C Days to germinate 4-6 days *Stem length* 130-180cm







Compared to Marley:

- colour combination of yellow and brown
- less side-shooting
- 3-5 days later flowering

Some genetic variation in colour may occur. Under warmer conditions and strong light, colour might be deeper.





Ziggy FHM464



Helianthus annuus

Sunflower

Germination temperature 18-20°C Days to germinate 4-6 days *Stem length* 130-190cm

The golden-yellow flowers have pretty purple-brown discs and beautiful, short petals.

Even under short-day conditions in the temperate climate area Full Sun Improved can have sufficient stem lenght.

It is preferable to have 18°C at the lowest temperature cultivation

55-100 day type



Full Sun Improved FHMA13



Tiffany FHMA14

Tiffany caries round orange flowers with dark discs

Takii's Helianthus Characteristics of the cut varieties

Variety	Petal	Disk	Days to bloom	Remark	
F1 Sunrich Orange DMR	Orange	Black		Downy mildew highly-resistant	
F1 Sunrich Orange	Orange	Black			
F1 Sunrich Lemon	Yellow	Black	55-70 days	The quality standard in the market	
F1 Sunrich Gold	Orange	Green		The quality standard in the market	
F1 Sunrich Lime	Yellow	Green			
F1 Sunrich Orange Summer	Orange	Black	50-65 days	5-10 days earlier than Sunrich Orange	
F1 Sunrich Summer Orange DMR (NEW)	Orange	Black	50-65 days	Downy Mildew highly-resistance.	
F1 Sunrich Provence Summer	Deep Orange	Black			
F! Sunrich Limoncello Summer	Lemon with yellow base	Black	50-65 days	5-10 days earlier than Sunrich Orange	
F1 Premier Alpha	Orange	Black			
F1 Premier Orange	Orange	Black			
F1 Premier Lemon	Yellow	Black	45-55 days	Extra-early varieties	
F1 Premier Alpha	Light Yellow	Black			
F1 Tiffany	Orange	Black	60-80 days	Round orange flowers with dark disks	
F1 Full Sun Improved	Dark Yellow	Black	55-100 days	Sufficient stem length even under short day conditions	
F1 Marley (NEW)	Cream/Purple bicolour	Black	45-70	Early flowering under short-day condition.	
F1 Ziggy (NEW)	Yellow/Brown bicolour	Black	45-70	Compare to Marley, 3-5 days late flowering.	

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.



Arena F1 Series

Lisianthus grandiflorum

A wonderful palet of colours in Arena serie

Germination temperature 15-20°C Days to germinate 10-12 days

Stem length 80-100cm

Introducing new colours every year, the Arena series now totals 24 varieties, giving more choices for growers, florists and consumers.

Selected for its high quality and fully double flowers on strong and sturdy stems.

Thick petals help transportability and large buds on the top increase the attractive character of the stems.

Arena III Pink may have less doubleness under high temperature conditions during flower bud formation stage.



1 Light Pink FRS896



FRS897





1 White FRS894



2 Kilimanjaro FRS784



2 Light Pink FRS748 - VBN11602



2 Purple Picotee FRS873



2 White FRS781



3 Apricot FRS724 - VBN105629



3 Baby Pink FRS674



3 Blue Picotee FRS723



3 Champagne FRS708







ena

3 Green FRS728 - VBN115134



3 Hot Pink FRS727



3 Mont Blanc FRS861 - VBN117682



3 Pink FRS702 - VBN28202



3 Pink Flash FRS725



3 Purple FRS892





3 Rose FRS733



4 Rose FRS705



3 White FRS731

					Variet	ty Compariso	on among	Arena	
				Flowe	er Size		Plant	Stem	
Variety Name				cm	inch	Branching	Height	Strength	Characteristics
	F1 Arena	1	Light Pink Imp. (NEW)	8.0	3.2	Good	Short	Hard	More number of petals and eary flowering than Arena I Ligh Pink
	F1 Arena	1	Purple (NEW)	8.5	3.4	Good	Medium	Hard	Easy to get long stem and good branching
	F1 Arena	1	Pure White (NEW)	8	3.2	Good	Short	Hard	High stable doublenes. Very easy to grow.
	F1 Arena	1	White	7.5	3	Good	Tall	Normal	Good flower shape and easy to get long stem.
	F1 Arena	2	Kilimanjaro	8.0	3.2	Excellent	Medium	Very Hard	Abundant flower under strong sunlight
	F1 Arena	2	Light Pink	7.5	3.0	Good	Medium	Hard	Medium-size flowers with the colour like cherry blossoms
	F1 Arena	2	Purple Picotee	8.0	3.2	Good	Short	Normal	Picotee edge is vivid and stable
	F1 Arena	2	White	8.0	3.2	Good	Medium	Very Hard	Excellent flower shape, Strong stem
	F1 Arena	3	Apricot	8.0	3.2	Good	Tall	Hard	Unique colour of flower
	F1 Arena	3	Baby Pink	8.0	3.2	Good	Medium	Hard	Wavy, thick petals with good transportability
	F1 Arena	3	Blue Picotee	7.5	3.0	Good	Tall	Very Hard	Thick petal and top flowering type
	F1 Arena	3	Champagne	8.0	3.2	Good	Medium	Hard	Large flowers with many petals
Double	F1 Arena	3	Clear Pink	8.0	3.2	Good	Tall	Hard	Flower buds shape is like peony.
Flowered	F1 Arena	3	Gold	8.0	3.2	Good	Tall	Hard	High performance with its yellow gold flower
	F1 Arena	3	Green	7.5	3.0	Excellent	Medium	Hard	Nice thick flower petal, good sturdy stem
	F1 Arena	3	Hot Pink	8.5	3.4	Good	Tall	Hard	Deep Pink. Stable doubleness under high temperature
	F1 Arena	3	Mont Blanc	8.0	3.4	Good	Tall	Normal	Nice flowershape. Sufficient height in the warm conditions
	F1 Arena	3	Pink	8.0	3.2	Good	Tall	Hard	Bright pink under fluorescent light
	F1 Arena	3	Pink Flash	8.0	3.2	Good	Tall	Very Hard	Sturdy stem with high quality flower
	F1 Arena	3	Purple	7.0	2.8	Good	Medium	Hard	Curly, thick petals with deep purple colour
	F1 Arena	3	Red	6.0	2.4	Good	Tall	Hard	Vivid red, Unusual colour for Eustoma
	F1 Arena	3	Rose	8.0	3,4	Good	Tall	Hard	Abundant flower with high doubleness under stror sunlight
	F1 Arena	4	Rose	7.0	2.8	Good	Very Tall	Very Hard	Suitable for season when it gets difficult to secure enoug stem length
	F1 Arena	4	White	8.0	3.2	Good	Very Tall	Very Hard	Long stems suitable for cultivation under high temperatur and strong light intensity

Fully double large flower. Thicker, stronger stems more suitable for production under high temperature and long day conditions.

Advantage F1 Series

Lisianthus grandiflorum

Light required | Flower earliness 2-3 | Flower size Middle

Germination temperature 20-22°C

Days to germinate 20-25 days *Stem length* **70-90** cm



Cherry Sorbet FRS113 - VBN103564



Pink FRS117



Purple FRS115 - VBN102763



Yellow FRS116 - VBN101292

Falde	a F1 S	eries	il de				
Lisianthus grandiflorum							
Light required	- Flower earliness 2 - Flower s	ize Middle	2				
<i>Germination temperature</i> 20-22°C	<i>Days to germinate</i> 20-25 days	<i>Stem length</i> 70-90cm					

Thick fringed single flower petals and sturdy stems for good transportability.



2 Light Apricot FRS673 - VBN108166



2 Salmon FRS672 - VBN108165



Corelli F1 Series

Lisianthus grandiflorum

Light required | Flower size Large

Germination temperature 20-22°⊂

Days to germinate 20-25 days

Stem length 70-90cm





Corelli has excellent large, double flowers with elegant fringed, curly petals.

Along with large flower buds it has an elegant yet playful appearance and can create a classical ambience.

Top branching, superb for bouquet usage and excellent vase life.



2 Light Lavender FRS898



2 Light Pink FRS872



2 White Improved FRS871



3 Apricot FRS766 - VBN114615



3 Blue FRS767 - VBN115643



3 Light Pink FRS764 - VBN115644



3 Peach FRS756 - VBN124095



3 Rose FRS762 - VBN116052



3 Yellow FRS763 - VBN117481

Variety Co	mpariso	n a	imong Corelli						
	Variety Name					Branching		Stem	Characteristic
	variety Name			cm	inch	Dialiciling	Height	Strength	Characteristic
	F1 Corelli	2	Delft Blue	8	3.2	Good	Medium	Normal	Unique marble colour with blue and white
	F1 Corelli	2	Lavender	8.5	3.4	Good	Short	Hard	Strong stable fringed flower. Deeper Lavender under cooler condition
	Fi Corelli	2	Light Lavender (NEW)	8	3.2	Good	Short	Normal	Strongest stable fringed flower.Deeper Lavender under cooler condition
Double Flowered	F1 Corelli	2	Light Pink	8.5	3.4	Good	Medium	Very Hard	Stable flower colour and thick petals
	F1 Corelli	2	White	8.5	3.4	Good	Medium	Hard	Large flower with stable fringed flower petals
with fringed	F1 Corelli	3	Apricot	8.5	3.4	Good	Medium	Hard	Highest number of petal and stable doubleness within Corelli series
	F1 Corelli	3	Blue	8.5	3.4	Good	Short	Normal	Easy to get single flower under high temperature
	F1 Corelli	3	Light Pink	8.5	3.4	Good	Very Tall	Normal	Fringe is less compared to other colours in this series
	F1 Corelli	3	Rose	8.0	3.2	Good	Tall	Very Hard	Thick petal with good transportability
	F1 Corelli	3	Yelllow	8.0	3.2	Good	Medium	Hard	Thick petal with good transportability

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.





2 Champagne FRS875 - VBN122501

Croma F1 Series

Lisianthus grandiflorum

Light required | Flower earliness 3 | Flower size Middle

Germination temperature 20-22°C

Days to germinate 20-25 days

Stem length 70-90cm



3 Blue Picotee FRS802 - VBN117572

Croma has excellent rose-like flowers.

Croma's thick, strong petals and extra-double flowers set it apart as a premium variety.

Due to the strength of the flowers and stems, it is well suited for cold chain shipping.

Croma is attractive to florists with its versatility in arrangements along with its high consumer appeal.



3 Blue Picotee Imp. FRS744

New



3 Green FRS804



3 Pink Picotee FRS891



3 White FRS785 - VBN105381



3 Pink Picotee Imp.

3 Red FRS742



3 Silky White

FRS786 - VBN119804

3 Yellow FRS801 - VBN113626



4 Lavender Imp. FRS745 - VBN112027

Variety Comparison among Croma

Variety Name	Flower Size		Duonshing	Plant	Stem	Characteristic
valiety Name	cm	inch	Branching	Height	Strength	Characteristic
F1 Croma 2 Champagne (NEW)	6.0	2.4	Good	Medium	Normal	Stable flower colour under cold condition.
F1 Croma 3 Blue Picotee	6.0	2.4	Excellent	Medium	Hard	Stable Picotee, high doubleness, top flowering
F1 Croma 3 Blue Picotee Imp.(NEW)	6.0	2.4	Good	Tall	Hard	Stable picotee under high temperature conditon.
F1 Croma 3 Green	6.0	2.4	Excellent	Tall	Normal	Slow growth at early stage, but vigorous growth at later stage
F1 Croma 3 Pink Picotee	7.0	2.8	Good	Medium	Normal	Larger with more open flower shape within Croma series
F1 Croma 3 Pink Picotee Imp. (NEW)	7.0	2.8	Good	Medium	Very Hard	Stable picotee even under cold condition.
F1 Croma 3 Silky White	7.0	2.8	Good	Medium	Hard	Pure white. More open flower shape compared to Croma III White
F1 Croma 3 White	7.0	2.8	Good	Medium	Hard	Rosy flower, Excellent performance, Nice shape flower with good doubleness
F1 Croma 3 Yellow	6.0	2.4	Good	Tall	Hard	High doubleness
F1 Croma 3 Red	6.0	2.4	Good	Medium	Hard	Stable colour, top flowering
F1 Croma 4 Lavender Imp	7.0	2.8	Excellent	Medium	Very Hard	Taller, larger flower than Croma IV Lavender

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.



Lisianthus grandiflorum

Light required | Flower size Large

Germination temperature 20-22°C

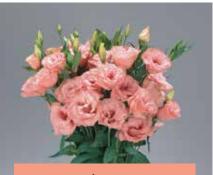
Days to germinate 20-25 days

Stem length 70-90cm

Super Magic is a double flowered midearly serie.

Top flowering habit with large sized flowers.

The wide colour assortment, including spectacular colours of Apricot and Champagne, provides a complete range for professional growers.



1-2 Apricot FRS136 - VBN102769



1-2 Capri Blue Picotee - FRS139



1-2 Champagne FRS131 - VBN19469



1-2 Deep Blue* FRS137 - VBN101293



1-2 Lilac FRS132 - VBN161621



1-2 Pure White FRS135 - VBN19448



1-2 Rose FRS133 - VBN161615



1-2 White FRS138 - VBN161657



* Note: Deep Blue may have less doubleness under high temperature conditions during flower bud formation stage



33

Jolly F1

Lisianthus grandiflora

Light required | Flower size Petite

Germination temperature 20-22°C

Days to germinate 20-25 days

Stem length 70-90cm

Plants produce an abundance of petite flowers with long vase life.

Very vigorous plant habit with very strong stem and flower petals.

3 Pink FRS806



2 Blue Picotee FRS664 - VBN116825



2 Purple Picotee FRS651 - VBN28413



3 White FRS665 - VBN28193

Vulcan F1 Series

Lisianthus grandiflora

Light required | Flower earliness 2-3 | Flower size Middle

 $\begin{array}{c} \textit{Germination temperature} \\ \texttt{20-22°C} \end{array}$

Days to germinate 20-25 days

Stem length 70-90cm

White FST338

Canneto White

Matthiola incana

Dark required | Early Flowering

Germination temperature 18-21°C Days to germinate 4-6 days *Stem length* 80-100cm

Canneto White is early flowering, producing a dense flower spike with a sturdy stem. It averages 90% double-flowering type.

Hairy leaved type.

Canneto is approximately 7 to 10 days later than the Noble serie.

Noble serie is extra early flowering, producing a breathtaking full doubleness of flowers.

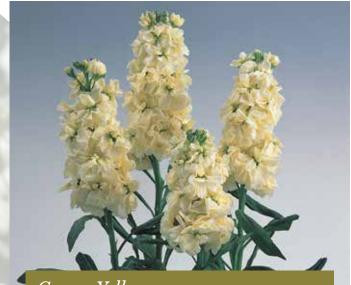
Hairy leaved type.

Noble Series

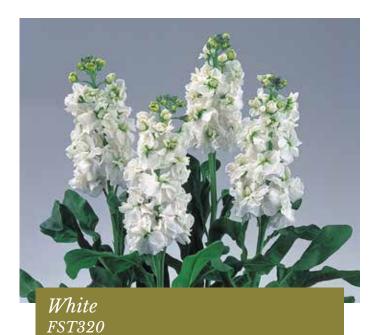
Matthiola incana

Dark required | Early Flowering

Germination temperature 18-21°C Days to germinate 4-6 days *Stem length* 80-100cm



Cream Yellow FST318



Notes

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