

Seed - Growing Guide

Species	Variety	Sowing Period	Germ Temp °C	Cover	Days to Germ
AMARANTHUS cruentus	Arabian Series	Oct - Jan	20-22	Medium	7-14
AMMI majus (Queen Annes Lace)	Graceland	Aug - Dec	16-18	Medium	14-21
AMMI visnaga (Queen Annes Lace)	Casablanca				
ANEMONE	Marianne Series	Feb - Apr	12-16		
ANTIRRHINUM GROUP 1 & 2 (Winter Forcing)	Overture Series	Mar - May	18-20	Medium	4-7
ANTIRRHINUM GROUP 2 & 3 (Aut & Spr Forcing)	Chantilly, Sunshine	Mar - Sep	18-20	Medium	4-7
ANTIRRHINUM GROUP 3 & 4 (Summer Forcing)	Opus	July - Feb	18-20	Medium	4-7
ANTIRRHINUM GROUP 2 & 3	Rocket Series	Mar - Sep	18-20	Medium	4-7
ASTER C.chinensis (Callistephus)	All Varieties Listed	July - Feb	18-20	No	10-14
BELLS OF IRELAND M.leavis (Molucella)	Irish Green Bell	Feb-May, Jul-Oct	20	Medium	21
CALENDULA officinalis	Prince Series, Nakayasu	Jan - May	16	Medium	7-14
CAMPANULA medium (Canterbury Bells)	Champion	Feb - Aug	18-20	Medium	10-14
CAMPANULA rapunculus	Heavenly Blue	Feb - Aug	18-20	Medium	10-14
CAPSIUM annum	Conical, Short	Jun - Oct	24	Medium	10-14
CELOSIA argentia x hybrid	Starwars	Oct-Jan	24	Medium	4-7
CELOSIA argentia cristata (Cockscomb)	Bombay, Chief, Kurume	Oct-Jan	24	Medium	4-7
CELOSIA plumosa (feather type)	Century Mix, Duran, Lime Spires	Aug - Jan	24	Medium	4-7
CELOSIA spicata	Flamingo Series, Parfait	Aug - Jan	24	Medium	4-7
COSMOS bipinnatus Tetra	Versailles Mix, Sensation	Aug - Jan	20-22	No	4-7
DELPHINIUM x belladonna	All Varieties Listed	Feb - Sept	16-18	No	14-21
DELPHINIUM x elatum	Magic Fountains, Aurora, Triton	Feb - Sept	16-18	No	14-21
DELPHINIUM x cultorum x hybrida	Pacific Giants	Feb - Sept	16-18	No	14-21
FEOXGLOVE D.purpurea (Digitalis)	Debutante	Feb - Jun	18-21	No	4-7
FREESIA	Royal Champion Series (single)	Feb - May	16	Yes	21-30
GERBERA	Melody Mix	Jun - Dec	20-22	No	4-7
GOETIA grandiflora	Grace Series	Feb - Jun	18-20	Yes	8-12
GOMPHRENA globosa (Globe Amaranth)	Audray	July - Jan	22-24	Yes	14-25
GOMPHRENA haageana (Globe Amaranth)	QIS Series	July - Jan	22-24	Yes	14-25
HELICHRYSUM bracteatum (Strawflower)	Sultane Mix	Aug - Jan	21-24	Medium	14-21
HIBISCUS H. sabdariffa (Rosella)	Cocktail Red	Aug - Nov	22	Yes	10-14
KALE	Crane	Feb - July	20-25	Yes	4-5
LARKSPUR D. consolida (Delphinium)	Sublime	Feb - July	15-18	Medium	10-20
	Sydney	Feb - July	21-24	Medium	10-20
LIATRIS spicata (Blazing Star)	Floristan	Jan- April	18-21	Yes	21-28
LILIUM longiflorum	Raizan, Totem	Jun - Dec	18	Medium	14-20
LISIANTHUS - Doubles Group 0 - Early Flowering	Borealis	Feb - Jun	22-24	No	14-20
refer to Transplant Group 1 - Mid Flowering	Gem, Echo, Bridal, Super Magic, Magic	Feb-Mar; Jun-Oct	22-24	No	14-20
& Flowering Guide Group 2 - Late Flowering	Mariachi, Helix, Advantage, Valentine	Jun - Dec	22-24	No	14-20
Group 3 - Late Flowering	Arena, Bouquet, Cessna	Aug - Oct	22-24	No	14-20
LISIANTHUS Singles Group 1 - Mid Flowering	Piccolo 1, Caesar	Feb-Mar; Jun-Oct	22-24	No	14-20
Group 2 - Late Flowering	Flamenco	Jun - Dec	22-24	No	14-20
MATRICARIA T. parthenium (Tanacetum)	Spring Spirit	June - July	15-20	No	7-10
	Summer Spirit	Aug - Oct	15-20	No	7-10
	All Remaining Varieties Listed	Jan - Dec	15-20	No	7-10
NIGELLA damascena (Love in a Mist)	Miss Jekyll, Persian Jewels	Jan - Dec	18-21	No	7-14
PHYSOSTEGIA virginiana	Crown	Jan-April	18-21	No	7-14
POPPY (P.nudicaule) Papaver (Iceland Poppy)	Australis Mix	Jan - May	18-22	Yes	7-12
RANUNCULUS asiaticus	Friandine, Highline, Giga, Reinette	Dec - April	10-15	No	15-20
STATICE L.sinuata (Limonium)	All Varieties Listed	Feb -Jun, Aug-Oct	15-18	No	10-14
STATICE L.suworowii (Limonium)	Suworowii	Feb -Jun, Aug-Oct	18-20	No	10-20
STATICE (perennial)	All Varieties Listed	Feb -Jun, Aug-Oct	18-20	No	10-20
STATICE (Limonium) (perennial) Perezii	Atlantis	Feb -Jun, Aug-Oct	18-20	No	10-20
STOCK M.incana (Mathiola) (column - Non Selected)	All Varieties Listed	Jan - Jun	18-20	No	10-14
SUNFLOWER H.annus (Helianthus)	All Varieties Listed		18	Medium	7
SWEET WILLIAM D.barbatus (Dianthus)	Hollandia Heritage	Nov -April	15-20	Yes	14-20
TRACHELIUM coeruleum	Hamer	Aug-Nov	15-20	No	14
ZINNIA elegans	All Varieties Listed	Aug- Dec	20-22	Yes	14

Disclaimer: "Significant variations in seed, variety and crop performance, in results and in crop outcomes may occur depending upon geographic location, climate, soil type, soil conditions, cultural and management practices and other growth and development factors. Any cultural and descriptive information or other advice, recommendation, information, assistance or service provided by Highsun Express is intended as a general guide only and should not be relied upon and is provided without liability or responsibility (including for negligence) on the part of Highsun Express. It is recommended that in all cases a small scale trial production is undertaken in order to test local conditions and circumstances that may affect the crop."

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Optimum Growth Temp °C	Production Weeks		Plants/m2		Suitable Fresh	Suitable Dry	Notes
	Direct Sow	After Transplant	Greenhouse	Field			
18-25	n/a	12-16	n/a	45			
16	3mths	10-17	n/a	20-40	Y		
7-18	n/a	10-11	72	n/a	Y		
7-18	n/a	10-11	72	n/a	Y		
15-20	n/a	9-10	64	n/a	Y		
7-18	n/a	10-11	72	n/a	Y		
12-24	12	10-14	64	64	Y		
15-25	14-18	18-22	64	64	Y	Y	
12-18	12	8-10	n/a	8-10	Y		
12-15	10-12	12-16	32	32	Y		
12-15	10-12	12-16	24-32	24-32	Y		
25	n/a				Y	Y	
18-20	11-16	8-12	64	n/a	Y	Y	
18-25	11-13	12-16	64	n/a	Y	Y	
18-25	11-13	12-16	n/a	45	Y	Y	
18-25	12-16	8-12	n/a	45	Y	Y	
18-25	9-11	6-9	n/a	64	Y		
10-18	18-22	14-16	64	32	Y	Y	
10-18	18-22	14-16	64	32	Y	Y	
10-18	18-22	14-16	64	32	Y	Y	
8-16	20-26	16-20	32-40	32	Y		
12-15	18-22	12-16	200-300	n/a	Y		
12-25	20	12	-	n/a	Y		
14-20	n/a	10-14	64 *	n/a	Y		* 6 plants/m2 if pinched
15-24	18-20	12-14	64	32	Y	Y	
15-24	18-20	12-14	64	32	Y	Y	
18-25	9-12	6-9	N/A	32	Y	Y	
15-25	n/a	12-15	n/a	6	Y		
8-16	20-24	16-20	32-49	N/A	Y		head size depends on spacing
12-18	14-20	12-18	64	64	Y	Y	
12-18	n/a	9-13	64	64	Y	Y	
15-25	n/a	9-12	72	36	Y		
25	n/a				Y		
25	n/a	13-20	64	n/a	Y		(Eustoma) Full sun plantings of cutflower Lisianthus will produce shorter stems than greenhouse grown Lisianthus
25	n/a	13-20	64	n/a	Y		
25	n/a	13-20	64	n/a	Y		
25	n/a	14-18	64	n/a	Y		
25	n/a	13-20	64	n/a	Y		
25	n/a	13-20	64	n/a	Y		
25	n/a	13-20	64	n/a	Y		
16-20	n/a	8-15	80	64	Y		
16-20	n/a	8-15	64	64	Y		
16-20	n/a	8-15	64	64	Y		
15-17	9-12	n/a	n/a	45	Y		
15-21	6-12	8-14	n/a	9-12	Y		
13-18	n/a	10-16	n/a	Y			
7-18	n/a	16-20	20-40	n/a	Y		
12-15	16	8-12	12	9	Y	Y	
13-18	n/a	24-48	12	9	Y	Y	
13-18	n/a	24-48	12	9	Y	Y	
13-18	24-48	18-48	12	9	Y	Y	
12-15	12-18	10-14	64	64	Y		
15-25	9			32-64	Y		
15-20	n/a	8-10	49	49	Y		
13-18	n/a	12-16	64	32	Y		
12-18	6-8	4-6	n/a	12	Y		

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