

CULTIVATION

Callistephus chinensis

Recommendation for all cut aster series

General Information

The satimex series has been developed to get a new cut aster type with unique flower types and surprising new colour shades. The blossoms are of medium to large size and at the most varieties densely packed with variously shaped flower petals.

The plants of almost all new series have pyramidal growth and strong stems.

The new series of satimex-asters produces sound plants, and most of the varieties have a high tolerance to Fusarium.

Tests by our growers and in several other trials inclusively FLEUROSELECT have demonstrated their outstanding suitability for cutting and high durability during transport and in the vase.

Series:

Lady Coral®; Sea Starlet; Rose of Shanghai; Harlekin; Juwel; Syringa; Balloon; Beautiful Day; Dragon; Tower; Valkyrie; Marlene; Classic

Sowing

Sowing rate 2,5-3 g for 1000 plants.

450 – 500 seeds per gram.

Please use a special sterilized cultivation substrat.

Germ temperature: 14-16 °C.

Germ time: 7 – 14 days.

Sowing under Middle European conditions for later open field production:

End of February/beginning of April in the greenhouse



Beautiful Day Mix

Further cultivation

Growing temperature for the young plants between 8 and 15 °C.

From beginning of May transplanting of the young plants directly into the open field. Young plants must be well hardened to the lower temperatures outside. For earlier planting and harvesting we recommend a precultivation (e.g. in 4 cm trays).

Plant distance: between rows 25 cm, within row 10-15 cm;

plant density: 26 – 32 plants per qm

A cultivation under glass or in the plastic tunnel for earlier flowering or prolongation of the production into the autumn is possible, but please consider the day length of minimum 14 hours and good ventilation.

Plant protection and fertilizing

Fusarium and Verticillium diseases are the main problem for the Aster production.

In spite of having some varieties in this series with a good or moderate resistance to these diseases, a long term rotation of minimum 6 years, early spraying of insecticides against aphids and of fungicides have always approved as the most effective means of prevention.

Thiram based seed treatment can be beneficial for plant health in the stage of sprouting and young plant development. On fields with high risk of Fusarium infection, we recommend additionally a treatment of young plants with Previcur N (Propamocarb): First spraying when the young plants have reached height of 1 cm; second spraying appr. 10 days after transplanting. Dose 15 ml Previcur N in 10 l water, is enough for one Ar.

Furthermore, an optimal plant density, moderate temperatures and good ventilation during the indoor stages of cultivation will provide for a good hardening and long keeping health of the plants.

Moderate nutrient demand. Please use standard fertilizer with low level of nitrogen.

Cutting

First flower harvest during the usual Middle European open field production is possible from middle of July, and the flowering continues till middle of September. Earlier or later harvests depending on sowing and transplanting time, pre-cultivation, temperatures and supply with light.

Please take into account the influence of the daylength to the size and shape of the flowers.

That´s why, before starting with a large scale production, we recommend to test our varieties under your special conditions at various periods of time.

Usually the growers will harvest firstly the central main flower, and later depending on maturity, the flowers from the branches.

Having optimum growing conditions, the large blossom sized series as Balloon or Juwel produce between 4 and 8 well shaped flowers from each plant, and the series with small to medium sized flowers as Beautiful Day and Harlekin achieve 10-20 flower stems with a total number of flowers up to 70.



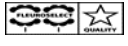
Cut Aster Specialities Premium Class

Callistephus chinensis Series:

Lady Coral® *medium early***FS – Fleuroselect Quality****Award**

flow.time:

flow.time:

3145491	Lady Coral®	Brilliant Rose		1	3145541	Lady Coral®	Lavender	4	
3145501	Lady Coral®	Chamois		3	3145551	Lady Coral®	Light Blue	1	
3145511	Lady Coral®	Creamy White		2	3145591	Lady Coral®	Salmon Rose		4
3145521	Lady Coral®	Dark Blue		1	3145611	Lady Coral®	White	2	
3145581	Lady Coral®	Dark Rose		3	3145621	Lady Coral®	Yellow	2	
3145531	Lady Coral®	Deep Red		2	3145571	Lady Coral®	Formula Mix		
3145301	Lady Coral®	Gold Salmon		4					

Sea Starlet *medium late*

3144411	Sea Starlet	Bright Red		2	3144461	Sea Starlet	Light Red	2
3144421	Sea Starlet	Chamois		4	3144491	Sea Starlet	Salmon Red	4
3144661	Sea Starlet	Crimson		2	3144431	Sea Starlet	Violet	3
3144441	Sea Starlet	Lavender		4	3144511	Sea Starlet	Yellow	4
3144451	Sea Starlet	Light Blue		4	3144481	Sea Starlet	Formula mix	
3144471	Sea Starlet	Light Rose		3				

Rose of Shanghai *medium*

3146881	Rose of Shanghai	Crimson		3	3146861	Rose of Shanghai	Light Rose	3
3146901	Rose of Shanghai	Dark Blue		2	3146701	Rose of Shanghai	Rose-White	3
3146891	Rose of Shanghai	Dark Red		3	3146831	Rose of Shanghai	White	2
3146971	Rose of Shanghai	Dark Rose		3	3146841	Rose of Shanghai	Yellow	3
3146691	Rose of Shanghai	Light Blue		2	3146911	Rose of Shanghai	Formula Mix	

Harlekin *medium late*

3146651	Harlekin	Bright Red		3	3144151	Harlekin	Pink Tipped White	2
3144171	Harlekin	Brilliant Rose		3	3144241	Harlekin	Rose	3
3144181	Harlekin	Crimson		3	3144161	Harlekin	Violet	3
3144191	Harlekin	Deep Blue		2	3144251	Harlekin	White	2
3144201	Harlekin	Light Blue		2	3144261	Harlekin	Yellow	4
3144211	Harlekin	Light Blue/white centre		2	3144231	Harlekin	Formula Mix	
3144221	Harlekin	Light Rose		2				

Juwel *medium*

3145321	Juwel	Amethyst, violet		2	3146711	Juwel	Rhodolit, carmine	2
3146751	Juwel	Ametrin, lavendel		4	3146661	Juwel	Purpurit, lilac-rose	2
3145331	Juwel	Granat, deep Red		2	3145351	Juwel	Rubin, scarlet	2
3146761	Juwel	Heliodor, yellow		4	3145361	Juwel	Turmalin, rose	2
3146801	Juwel	Morganit, salmon		4	3145341	Juwel	Red Shadow Mix	2
					3144921	Juwel	Mix	

XXL-Syringa *medium*

3144861	Syringa	Chamois		4	3144871	Syringa	Purple	2
3146201	Syringa	Dark Pink		2	3146781	Syringa	Rose	2
3146181	Syringa	Lavender		3	3144851	Syringa	Violet	2
3146791	Syringa	Light Rose		2	3146771	Syringa	White	3
3144781	Syringa	Lilac rose		2	3149021	Syringa	Mix	
3149061	Syringa	Pink		2				

Balloon		<i>late</i>					
				flow.time:			flow.time:
3144691	Balloon	Bright Carmine	4	3144701	Balloon	Rose	2
3144791	Balloon	Chamois	4	3144801	Balloon	Silver-Blue	2
3144681	Balloon	Dark Blue	2	3144911	Balloon	Violet	2
3144771	Balloon	Purple-Violet	3	3144841	Balloon	Yellow	3
3144901	Balloon	Red	2	3149051	Balloon	Mix	
Beautiful Day		<i>very early</i>					
3144891	Beautiful Day	Brilliant Rose	2	3144711	Beautiful Day	Rose	1
3144881	Beautiful Day	Creamy White	2	3144811	Beautiful Day	Salmon Rose	3
3144821	Beautiful Day	Lavender	3	3144721	Beautiful Day	Yellow	3
3144741	Beautiful Day	Light Blue	1	3144831	Beautiful Day	Mix	
3144731	Beautiful Day	Dark Blue	1	3144931	Beautiful Day	Twilight Shades NEW 2014	

Cut aster - Standard series - new make up:

can be delivered especially prepared for professional production:

Dragon (Tiger paw aster)		<i>early</i>					
3145371	Dragon	Angora, red	2	3145421	Dragon	Karthäuser, dark blue	1
3146991	Dragon	Barny, blue frost	2	3145431	Dragon	Lux, lilac rose	2
3146931	Dragon	Bengal, rose frost	4	3145451	Dragon	Orient, white	3
		Birma, creme					2
3145381	Dragon	white	3	3145461	Dragon	Perser, mid blue	2
		Chinchilla,					2
3145391	Dragon	salmon pink	2	3145471	Dragon	Siam, light rose	2
3145401	Dragon	Golden, yellow	4	3145481	Dragon	Sorrel, ruby red	2
3145411	Dragon	Kameo, dark rose	2	3145441	Dragon	Mix	
Valkyrie (Needle aster)		<i>early</i>					
3145131	Valkyrie	Brünhilde, chamois	3	3145211	Valkyrie	Parsifal, purple	2
3145151	Valkyrie	Hagen, light blue	2	3145231	Valkyrie	Rienzi, light rose	2
3145181	Valkyrie	Kriemhild, scarlet	2	3145251	Valkyrie	Siegfried, blue	2
3145161	Valkyrie	Holländer, salmon	3	3145261	Valkyrie	Tristan, pink	3
3145171	Valkyrie	Isolde, white	2	3145241	Valkyrie	Senta, yellow	2
3145141	Valkyrie	Elsa, rose	2	3145201	Valkyrie	Mix	2
3145191	Valkyrie	Lohengrin, violet	2	3145221	Valkyrie	Pastel Mix	3
3145111	Valkyrie	Irma, pink	2				
Tower (Paeony aster)		<i>medium early</i>					
3145821	Tower	Blue	3	3145901	Tower	Red	1
3145831	Tower	Chamois	4	3145121	Tower	Greta, grey blue	2
3145841	Tower	Cherry Rose	1	3145911	Tower	Rose	2
3145851	Tower	Cream Rose	2	3145921	Tower	Salmon	3
3145861	Tower	Dark Red	1	3145931	Tower	Silver	1
3146951	Tower	Light Pink	2	3145941	Tower	Violet	2
3145881	Tower	Pink	2	3145951	Tower	White	2
3146961	Tower	Purple Pink	2	3145961	Tower	Yellow	3
3145891	Tower	Quarz	2	3145871	Tower	Mix	3

Classification flowering time:

1	very early	3	medium
2	early	4	late