

## Celosia Asuka Select

Celosia is India originated relative short day plants. It prefers strong light and high temperature. It is a quantitative short-day plant and flower initiates under the condition of the temperature below 20 degrees Celsius and the day length shorter than 14 hours. Keeping a long day condition (16 to 17 hours) in first growing stage helps to make stems long (please stop lighting around plant height reaches to 75 cm). Harvest takes place between end/May and beg/June by sowing in greenhouse between mid/Feb and beg/March in Japan. September harvest is also possible by planting end of May.

## <Culture Information>

Sowing	Dark germinator. Slight soil covering is necessary.
Seed Quantity	Direct sowing. Approximately 40,000S per 100 m <sup>2</sup> .
	Transplanting Approximately 20,000S per 100 m <sup>2.</sup>
	(*Transplant when seedlings have 2-3 true leaves.)
Germination temp.	25 degrees in Celsius
Growing temp.	Optimum night 15-20 degrees and day 23-28 degrees in Celsius
Planting Density	Non-Pinching: $20 \ge 6$ cm with 4 rows (80 plants / m <sup>2</sup> )
	$\therefore$ 12 x 12 cm with 6 rows(70 plants / m <sup>2</sup> )
Fertilizer	N:P:K = 1 kg : 1 kg : 3kg in elements per 100 m <sup>2</sup>

Excess nitrogen in the planting soil make stems too thick. Also stems and leaves would be fasciate. To avoid fasciation, apply moderate fertilization and dense planting, and try to make strong stem. Lack of fertilizer causes fading of leaf color. Please give fertilizer just enough to avoid inhibition of first growth. Adequate fertilizer volume can be measured at the time of harvest; it would be good if lower leaves become slightly yellowish. If leaves are very yellow, please give liquid fertilizer 10 days before harvest.

It is crucial to give enough water to have sufficient height especially for the first four weeks after sowing/planting.

\*Information provided above is only for your reference.