

Celosia argentea plumosa

Century



Century celosia is an extra early, heat tolerant variety with an abundance of showy flowers with large plumes on strong stems.

- ✿ Extra early and easy to grow
- ✿ Flowers approx. 80 days after sowing
- ✿ Extremely heat tolerant for Summer programmes



Indoor

GROUP -



50-60 cm



Cut Flower



1,400/gram; normal



Cool, dry, airtight 8-10°C



Culture Guide

Plug Culture

- Stage 1** (days 1-10) Sow seeds in a well-drained soil mix with a pH between 5.5 and 6.0 and low soluble salts (ideally less than 0.6 mmhos 1:2 slurry). Cover the seed lightly with media or vermiculite. Provide a soil temperature of 21-24°C. Germination takes place in 7 to 10 days. Since the root system is very delicate, either direct sow or transplant from plugs.
- Stage 2** (days 10-19) After seedlings emerge, place plug trays in a well ventilated area and reduce the temperature to 19-21°C during day and 16-18°C in the night. Over watering will promote disease; especially damping off and Botrytis.
- Stage 3** (days 20-27) Maintain good air circulation and media EC levels around 0.8 to 1.0 mmhos (1:2 extraction). Celosia is a facultative short day plant and will flower more quickly under short day conditions (<13 hours) and any type of stress; like water or high temperature.
- Stage 4** (days 28) Plugs are ready for transplanting. Celosia forms a taproot and is sensitive to root damage. Be careful not to damage the delicate root system. Transplant before the taproot emerges.

Plant Culture

Media

Select a well-drained media with a low starter charge. Ideal pH is 5.5-6.0.

Transplanting

Never delay transplanting! Holding the plugs too long in the plug tray will stunt future development of the plant and might cause premature budding and low quality plants without enough foliage development. Celosia makes a taproot and is sensitive to root damage. Be careful not to damage the soft root system. Transplant before the taproot emerges. It is best to handle Celosia by the leaves to prevent damaging the soft stem. Also avoid deep transplanting to prevent Rhizoctonia. Transplant 80 plants per net m² or when sowing directly in the soil 12,5 cm between the rows and in the row 8 cm distance between the seeds

Temperature

Maintain the plants at a temperature of 16-24°C.

Fertilizer

Feed with 150-200 ppm N as needed to maintain the EC at 1.0 to 1.4 mmhos (1:2 slurry). It is important to supply sufficient amounts of Potassium in the fertilizer. A lack of Potassium will cause smaller and/or abnormally shaped flower plumes to be formed.

Lighting

High light, full sun is best.

Pests & diseases

Pythium, Rhizoctonia, Botrytis, Aphids and Thrips.

Crop

Warm Area: March/April sowing - June/July cutting.

schedule

Cool Area: May/June sowing - August/September cutting.

Post harvest handling

Cut when plumes have developed into full size and when fully mature. Bunch cut flowers in somewhat dry conditions, when foliage shows signs of wilt, this will avoid damage to cut flowers during transportation. Vase life: Approximately 5-6 days. Use of flower food is highly recommended.

All information given is intended for general guidance only and is believed to be accurate. Cultural details are based on Northern Hemisphere conditions and Sakata cannot be held responsible for any crop damage related to the information given herein. Application of recommended growth regulators and chemicals are subject to local legislations and manufacturer's label instructions.