

Coreopsis Verticillata

(*Coreopsis verticillata*)

Propagation

- Choose a well-drained medium with an EC of 0.75 to 0.80 mmhos and a pH of 5.8 to 6.2.
- Stick cuttings the day of arrival if possible. Otherwise, store at 45°F for not more than 18 hours before sticking.
- Soil temperature should be maintained at 70 to 72°F (21 to 24°C) until roots are visible.
- A rooting hormone basal dip containing 500 ppm IBA should be applied to promote early, uniform rooting.
- Coreopsis root well under moderate mist regimes. You should see root development in 10 to 12 days.
- Begin fertilization 7 days after sticking with 50 to 75 ppm N when roots become visible.
- During root development, maintain moderate moisture levels in the soil. Avoid saturation of media.
- Can be pinched after roots have been established. Be sure to leave 4 or 5 active internodes. Should be pinched once in the liner stage and once after transplant for best results.
- Rooted cuttings should be ready for transplanting 35 to 42 days after sticking.

Growing On to Finish

Media

- Use media with good aeration and drainage.
- Prefers a medium that is high in organic matter.
- A pH of 5.8 to 6.2 is optimum.

Temperature

- **Nights:** 55 to 60°F (13 to 16°C)
- **Days:** 60 to 65°F (16 to 18°C)
- Temperatures below those recommended will slow plant growth significantly.
- Vernalization not required for flowering.

Light

- Will perform best under moderate to high light levels of 5,000 to 8,000 f.c. (53,000 to 86,000 Lux).
- Plants grow more quickly and uniformly under long-day conditions.

Watering

- The media should be allowed to dry regularly between watering and never saturated. However, plants should not be allowed to wilt at any time.
- Leach regularly to avoid the buildup of high soluble salt levels.

Fertilizer

Maintain constant fertilization at a rate of 150 to 200 ppm. Periodic use of a calcium-based fertilizer should help optimize the nutrient levels.

Pinching

Recommended after transplant. Should be pinched once in propagation and once in finished container. Pinching will maximize branching and create a more full plant. Does not require Fall planting or bulking.

Controlling Growth

- Under most conditions, will not require growth regulator treatments.
- These recommendations for plant growth regulators should be used only as general guidelines. Growers must trial all chemicals under their particular conditions.

Common Problems

Diseases: Coreopsis are generally disease-free. Manage soil moisture to avoid root diseases.

Key Tip

Does not require Fall planting or bulking.

Crop Schedule & Uses

(Crop Schedule in Weeks – Spring planting is recommended for this crop. If Summer-planted, be sure to have plants well established before the start of short days.)

1 PPP* 1-quart (10-cm) pot

Unrooted cutting 13 - 15 weeks

Rooted cutting 8 - 10 weeks

1 PPP* 1-gallon (15-cm) pot

Unrooted cutting 15 - 17 weeks

Rooted cutting 10 - 12 weeks

3 PPP* 2 to 3-gallon (25 to 30-cm) pot

Unrooted cutting Not Recommended

Rooted cutting Not Recommended

*PPP: Plants per pot or basket