

## 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 14 days.
- Begin fertilization 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 – once in the liner stage and once after transplant.
- Rooted cuttings should be ready for transplanting 35 to 42 days after sticking.
- **Begin fertilizing 7 days after sticking. Avoid over-misting.**

### 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** 19 - 22 weeks

**Rooted cutting** 12 - 14 weeks

\*PPP: Plants per pot or basket

