



## HELIOPSIS HYBRID SOLE GIATTO

### PROPAGATION

**Temperature:** Warm propagation temperatures encourage rapid root growth. Recommended night temperatures of 62 - 65 F. Propagation areas with high levels of indirect lighting experience a boost in daytime temperatures. Misting during the first 7 - 9 days of propagation can diminish excessive wilting.

**Fertilize:** Use an initial fertilizer concentration of 75 - 100 ppm. Increase fertilizer concentration to 150 - 200 ppm at root formation.

**After root:** Expect root initiation to occur after 7 - 10 days. Mitigate propagation stretch by moving rooted cuttings to an area of increased light, cooler temperatures and reduced mist. Pinch rooted cuttings if stretch continues despite new environmental conditions. Movement of rooted cuttings should only occur after leaves can resist wilting.

**More information:** pH levels should be held between 5.8 and 6.2. Monitor pH in the presence of interveinal chlorosis. Avoid rising pH by use of acid fertilization. Additionally, review irrigation practices and allow drying to occur in between irrigations. Plan on 4 weeks of propagation after sticking for well-established roots to grow.

### FINISHING

**Target Sales:** Plant growth and flowering occur under long day conditions with an optimal daylength of 14 - 16 hours. Use supplemental lighting under short day conditions. Expect finished crops for late spring and summer.

**Environment:** Environmental factors are key to exceptional Heliopsis growth. Transition rooted cuttings at transplant to an area of slightly increased light, cooler temperatures and reduced humidity. Recommended light concentration of 5000 to 6000 ft candles with a night temperature of 60 - 62 F.

**After rooting:** Beneficial to pinch Heliopsis 2-3 weeks after propagation. Reduce irrigation and allow pots to dry slightly between irrigations.

### CLEAN STOCK

**CLEAN STOCK:** Susceptibility of Heliopsis to viruses and bacteria are well known. Kientzler Heliopsis are shipped from Kientzler Innovaplant with commitment to an unsurpassed clean record of production reliability.

### CROP SCHEDULING

**Crop Scheduling:** Finish 6 in and 2.5 qt containers in early spring. Naturally finished pots without extended daylength should be started on week 7 or later as URC. Allow 4-week propagation time. Pinch 2-3 weeks after propagation and force for 12 - 14 weeks.

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