**BIDENS BEE SWEETIE**



## PROPAGATION

**Temperature:** The use of warm temperature propagation can rapidly encourage rooting of Bidens sp.. Recommended environment includes use of 62 - 65 degree F. night temperature. Misting in propagation should be used for the first 7 - 9 days to mitigate excessive wilting. Propagation environments set up with high indirect lighting will help to warm day temperature and encourage rapid rooting.

**Fertilize:** Starter fertilization can begin at 75 to 100 PPM and increase to 150 - 200 PPM at root formation.

**More information:** After root initiation (7 to 10 days), stretch in propagation can be mitigated by change of environment to lower humidity and High light , Genetics that continue to stretch in propagation can be pinched. Should Interveinal chlorosis be present, review pH and hold pH to 5.8 to 6.2, avoid rising pH by use of acid fertilization. In addition, review irrigation practices and allow drying to occur in between irrigations. Scheduling for rooting should be 4 weeks.

## FINISHING

**Environment:** Environment is critical to good Bidens growth after transplant. At transplant, transition the rooted cuttings into 5 - 6000 foot candle environment with night temperature at 60 - 62 degrees, slightly lower temperature and higher light compared to the propagation environment. Begin increased fertilization to 250- 300 PPM.

**Use of extended lights:** Bidens will flower under short day conditions, however January flowering can be encouraged with 14 hour days, starting lights at midnight and continuing to sunrise.

**After rooting:** After rooting into final container, reduce irrigations and begin to dry slightly between irrigations. Temperature can again be lowered to 45 to 50 degree nights and high of 70 degree day. Product can be moved to brighter light with 8000 ft candle as a target. Low night temperatures will increase flower size. If growth is leggy at any point in the final container, shear the new growth and reshape the container. Return the plant to High light and cool night environment.

## CLEAN STOCK

**CLEAN STOCK:** Susceptibility of Bidens to viruses are well known. Kientzler Bidens come from Kientzler Innovaplant with commitment to unsurpassed clean record of production reliability.

## CROP SCHEDULING

**Crop Scheduling:** Use the following schedules for finishing Biden Pots and Baskets, 4 to 6 inch containers in Early spring should finish in 7 to 11 weeks, 8 and 10 inch containers 9 to 13 weeks, and Baskets 9 to 13 weeks. Later Spring finish can be reduced by 1 week.

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