

Bidens mitis

Smallfruit beggarticks

Asteraceae

Seed Propagation: Information on the germination of this species is lacking. Other species of *Bidens* are known be nondormant and germinate quickly and easily while other species may need cold stratification to overcome physiological dormancy.

Cutting Propagation: Plants are easily propagated from stem cuttings. Cuttings derived from various portions of the plant and taken on 9/16/2019 had 100% rooting and a few ~2mm long roots by 9/24/2019 and formed cohesive rootballs by 10/17/2020. Cuttings were stuck without application of rooting hormones and were stuck in 72-cell cell liner trays containing a peat based potting mix (MetroMix 830, Sunagro) and placed under intermittent mist in a climate-controlled greenhouse.

Production: Plants are easily produced using standard greenhouse and nursery procedures. 72-cell liner rooted plugs transplanted on 11/22/2019 filled out 4-inch pots after a few weeks on when grown within a 3:1 mix of aged pine bark with fines to peat-based bagged mix (MetroMix 830) and fertilized with a ¼ tsp of slow-release fertilizer (Osmocote, 18-6-12 Plus).

Comments: Plants are easily installed in a landscape garden setting and will flower from cuttings soon after cultivation when planted during the fall. Plants were installed in a relic upland pine soil with full sun exposure and had modest amounts of hardwood mulch placed around it. Supplemental water was not needed once plants were established. Found along the edges of wetlands and in ditches that stat wet. Prolific yellow fall flowers attract numerous pollinators including bees and butterflies. Recommended for use in raingardens and bioswales. Tolerant of disturbance and can tolerate modest amounts of mowing. Paired well in a garden setting with the blue flowered *Conoclinium coelestinum* (blue mistflower) which blooms at the same time and has a similar aggressive growth habit.



Top Left. Cutting with root initials and short roots. Mid. Plant in 4-inch container. Bot. Seeds with a 1mm² background.