Helianthus F1 Smiley™

Helianthus annuus

COLORS AVAILABLE:	Golden yellow petals, dark center
SIZE/PLANT HABIT:	Height under short days: 5- 8 inches tall, under long days: 13 – 16" / annual
NOVELTY CHARACTERISTICS:	Dwarf, early blooming, day length neutral, extremely branching, pollenless flowers are a rich color with broad petals, maintains an excellent shape without petal curling
MARKET USE:	Pot crop, patio pot, mixed container

CULTURAL RECOMMENDATIONS:

FINISH CONTAINER:	4½ - 6"pot, gallon or multiples in larger container
PLUG STAGE GERMINATION:	Emergence in 5 – 10 days / 75 – 80°F / cover seed approximately 0.5", in winter less than 0.5"
EC (POUR THRU METHOD):	Emergence to cotyledon expansion = 0.75 mS/cm Cotyledon expansion to true leaf growth = 0.75 – 1.0 mS/cm Plug/young plant finish = 1.0 – 1.75 mS/cm
PLUG FINISH TIME:	Best if direct sown, 10 – 14 days for plugs
FINISHING TRANSPLANT:	21 – 25 days
SPACING:	3" for short stems, up to 12" for long stems
DAYS TO FLOWER FROM SOWING:	8 weeks
TEMPERATURE:	75 – 85°F day / 60 – 70°F
EC (POUR THRU METHOD):	1.75– 3.0 mS/cm
pH:	5.8 - 6.2
COMMON DISEASE/PESTS:	Pythium root rot especially a problem during cool, moist weather/ Aphids,thrips

NOTES:
- Genetically dwarf, no PGR needed however A-Rest, B-Nine, Bonzi & Sumagic are all effective on this variety
- Feed heavy enough to maintain green cotyledons up to flowering (250 – 300 ppm N), watch for iron deficiency when pH exceeds 6.8
- Nutritional and/or water stress early in the culture of Helianthus (especially in plug trays) can cause premature budding and lower finish quality.