



# 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.

Descriptions, illustrations, photos and disease resistance, etc. are based upon the results obtained under favorable conditions and certain races of pathogens/diseases. Identical results are not guaranteed nor implied for all growing conditions. Information is based on average data compiled. Physical characteristics, adaptability and disease tolerance may vary under different conditions. Rev A

