

Coreopsis grandiflora SunGlobe

Life cycle	Perennial / Annual
Family / Origin	Compositae / North America
Popular uses	Outdoor pots/containers, borders and landscape
Mature plant height	30-35 cm (12-14")
Mature plant width	30-35 cm (12-14")
Spacing	35-40 cm (14-16")
Pot size	10-15 cm (4-6")
Plants per pot	1 plant in 10-15 cm (4-6") 3 plants in larger pots
Sun exposure	Sun / partial shade
Water requirements	Reduced, avoid wet conditions
Flowering season	Late Spring, Summer, Autumn
Media	A well-drained, porous media is best to prevent over watering pH 5.5 – 6.2 EC. 0.5-1.0 (75-150 ppm N)
Growing temperature	For active growth: 10-16°C (50-61°F) at night; up to 16°C (61°F) during day Higher average day temperature will speed up the process
Light	Long day length required (minimum 14 hours) Increasing day length will induce flowering
Fertilizer needs	Balanced N:P:K fertilizer as needed recommended EC 1.8-2.2 (270-330 ppm N)
Crop time	13-15 weeks
Hardiness zone	Z 4-9



Description

Coreopsis SunGlobe is a first-year flowering perennial with lots of semi-double golden-yellow flowers. It has a medium-compact, mounding and well branching plant habit. Flowering the first year it's perfect for borders and containers

Growth regulators

Daminozide (Dazide / B-Nine)
Paclobutrazol (Bonzi)
Apply PGRs when buds are visible

Common diseases

Wet foliage needs to be avoided to prevent Powdery Mildew, Leafspots and Rust

Common pests

Spider Mites, Aphids, Whiteflies and Leaf Miners

Pinching

No need for pinching, although frequent cutting will enhance regrowth

Crop type

First year flowering perennial (no vernalization necessary); can also be scheduled for traditional overwintering production

Plug Production

Seed forms	Pro-seed
Seed count	400 seeds/gram (11.340 seeds/oz), varies by lot!
Recommended plug size	288-128
Seeds cell	4-5
Vermiculite cover	Normal
Stage 1 Germination	Germination time: 5-7 days Media: pH 5.5 to 6.3 / EC 0.5 - 0.75 (75-115 ppm N) Moisture: keep medium saturated Growing medium temperature: 20-22°C (68-72°F) Fertilization: EC 0.5-1.0 (75-150 ppm N)
Stage 2 Stem and cotyledon	Reduce moisture levels to obtain optimum root penetration and to prevent fungal diseases Prevent wet foliage after nightfall Temperature: 20-22°C (68-72°F) Fertilization: EC 0.5-1.0 (75-150 ppm N)
Stage 3 Growth and development	Moisture: reduce moisture levels and allow medium to dry between watering. Do not allow plants to wilt Temperature: 18-20°C (64-68°F) Fertilization: EC 1.2-1.5 (180-225 ppm N)
Stage 4 Ready for transplanting	Moisture: reduce moisture levels and allow medium to dry between watering. Do not allow plants to wilt Temperature: 15-16°C (59-61°F) Fertilization: see stage 3
Plug crop time	5-6 weeks
Approximate finish time	8-9 weeks
Special tips	Do not allow the plants to dry out, this might cause premature flowering A too wet media will keep the plant vegetative Total crop time depends on light intensity (season) and cultivation measures