




TROLLIUS chinensis 'Morning Sun'

Globe Flower

Item No.: TG242

Also available as: Normal Seed

Plant Description

Article Type	GOLD NUGGET SEED®
Life Cycle	Perennial
Family	Ranunculaceae
Origin	Cultivar. Russia, Mongolia, Northeastern China: grassy slopes.
Special Features	A more compact version - only half the height - of the long popular Trollius chinensis 'Golden Queen'. Rich and large flowering. Prominent nectary-petals.
Historical	Introduced by JELITTO PERENNIAL SEEDS in 2012.
Basic Colour	(yellow / gold)
Flower Colour	yellow-orange
Natural Flowering Period	June - August
Winter Hardiness Zones	Z3 - Z7
Foliage	basal leaves petiolate, cordate, deeply fringed, 3-parted, coarsely serrate, deep green
Growth Habit	clumping / compact / dense
Height with Flowers	50 cm
Spacing between Plants	40 cm
Soil Requirements	moist / cool
Location	
Usage	for the rock garden / suitable for cutting

Cultivation

Grams per 1000 seeds	1.47059 Gram
Seeds per Gram	680 (does not correspond to the number of plants!)



Sowing Rates/Trays	2 per cell
Plug tray recommended size(s)	72 / 128
Sowing Direction	(16) See 15 with the exception of germination being slower and more irregular. This poses no problems. (15) Rapidly germinating, keep seed in constant moisture (not wet) with temperatures of about +20°C [68°F]. Seeds must be covered thinly. Do not cover very small seeds, but tightly press into the earth. Keep in cooler conditions after germination occurs.

Scheduling

Best Sowing Date	Anytime (northern Hemisphere, Field condition)
Sowing to Germination	3 - 4 weeks
Germination to Transplant	4 - 8 weeks
Transplanting to Potting	6 - 10 weeks
Cutting back at Transplanting	Not Necessary.

Growing On

Container Size(s)	1 plug per 8/9 cm (3 1/2") / 1-2 plugs per 11/12 cm (4 1/2") / 2-3 plugs per 15 cm (6")
Vernalization	There is no current research on vernalization but a prudent recommendation for any perennial would be 6-12 weeks (a few might need 15 weeks!) at an average daily temperature of 40°F (5°C). Exposure to cold may not be necessary for flowering but might improve quality.
Forcing	An obvious place to experiment - following vernalization - would be raising daytime temperatures to 60° - 65°F (15° - 17°C). Provide 16 hours of continuous lighting. During the short days of winter, provide a night interruption lighting of 4 hours between 10:00 p.m. and 2:00 a.m.
Fertilizer	Medium (150-200 ppm)