



TROLLIUS europaeus


Globe Flower

Item No.: TA256

Also available as: GOLD NUGGET SEED ®

Portion Price (usually sufficient for approx. 50 plants)	1g Price (0.1-9.9g)	10g Price (10-99.9g)	100g Price (100-999.9g)	1000g Price (1000-9999.9g)	10000g Price (10000-99999.9g)
2,50€	5,00€	40,00€	320,00€	-	-

Plant Description

Life Cycle	Perennial
Family	Ranunculaceae
Origin	Europe to Western Siberia: damp grassland, edges of ponds, riverbanks.
Special Features	Charming, globed shaped flowers. Good for the border or for meadow plantings in cooler climates. Plant of the Year 1995 in Germany.
Basic Colour	(yellow / gold)
Flower Colour	egg yolk yellow
Natural Flowering Period	May - June
Winter Hardiness Zones	Z4 - Z7
Foliage	deeply cut 3-5-parted, dentate, deep green
Growth Habit	erect
Height with Flowers	60 cm
Spacing between Plants	50 cm
Soil Requirements	moist / cool
Location	
Characteristics	toxic plant
Usage	suitable for cutting

Cultivation

Grams per 1000 seeds	0.8 Gram
Seeds per Gram	1250 (does not correspond to the number of plants!)
Gram to get 1000 plants	5 Gram (if sown directly into pots etc. you will need a larger quantity)
Sowing Rates/Trays	7 per cell

Plug tray recommended size(s)

72 / 128

Sowing Direction

(2) Most species of the Ranunculus-family need lower temperatures during the cooling-period – about -5°C [23°F]. In other respects follow the directions in 1. above. The reason is probably the freezing point of these seeds, which is at -7°C [19°F], while most other seeds freeze at -5°C [23°F].

(1) Cold-germinators are still referred to as frost-germinators, although this isn't quite correct. The sowing must be kept warm (about $+18$ to $+22^{\circ}\text{C}$) [about 64 to 72°F] and moist for the first 2–4 weeks. After this period the sowing must be kept at a cold temperature (between -4 and $+4^{\circ}\text{C}$) [between 25 and 39°F] for another 4–6 weeks. Colder temperatures of -5°C [23°F] are only advantageous for most species of the Ranunculus family. It is not so important if the temperature is higher or lower during the cooling period, but the cooling period has to be prolonged because the synthesis of the germination inducer, hormon-like acid, slows down or comes to a standstill. It is beneficial to cover the sowing with snow during the cooling-period. The temperature below it usually keeps in the optimum range of -4 to 0°C [25 to 32°F]. The sowing is kept moist, and the melting snow helps to destroy the shell, which is advantageous for the germinating seedling. After this cooling-period the sowing may not be immediately exposed to high temperatures. The most effective temperatures are between $+5$ to $+12^{\circ}\text{C}$ [41 to 54°F], even if germination has started. The best location for this sowing, even in March, April and May, is the open field, the cold frame or a cold greenhouse.

Scheduling

Best Sowing Date

late autumn - early spring (northern Hemisphere, Field condition)

Sowing to Germination

8 - 10 weeks

Germination to Transplant

4 - 8 weeks

Transplanting to Potting

6 - 10 weeks

Cutting back at Transplanting

Cut-back once to keep more compact.

Growing On

Container Size(s)

1-2 plugs per 11/12 cm (4 1/2")

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

This species is not a suitable candidate for forcing.

Fertilizer

Medium (150-200 ppm)