



GENTIANA lutea


Yellow Gentian, Bitterwort

Item No.: GO134

Also available as: Normal Seed GOLD NUGGET SEED ®

Portion Price (sufficient for 50-100 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)
2,80€	4,20€	26,00€	154,00€	920,00€	-

Plant Description

Article Type	Organic Seed DE-ÖKO-006
Life Cycle	Perennial
Family	Gentianaceae
Origin	Mountains of Central and Southern Europe: meadows, stony habitats.
Special Features	Highly decorative and durable. Forms a strong taproot. Up to ten whorled flowers in the leaf axils. Also, the foliage has a decorative effect with large, strong leaves. GENTIANA lutea is best on lime, but also tolerates pH values below 6.0.
Historical	Genus is named in honor of King Gentius of Illyria for allegedly discovering the medicinal uses for the roots of Gentian lutea from which tonic bitters are still made.
Basic Colour	(yellow / gold)
Flower Colour	pure yellow
Natural Flowering Period	June - August
Winter Hardiness Zones	Z3 - Z7
Foliage	basal rosette of leaves, ovate to elliptic, 5-7 strong veins, upper leaves sessile, strong green
Growth Habit	erect / clumping
Height with Flowers	100 cm
Spacing between Plants	40 cm
Soil Requirements	lime-loving, calcareous / well-drained / average
Location	
Characteristics	medicinal plant / beneficial plant / culinary herb
Usage	suitable for cutting

Cultivation

Grams per 1000 seeds	1.06383 Gram
Seeds per Gram	940 (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)
Plug tray recommended size(s)	open flats / 72
Sowing Direction	(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°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°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°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

Cutting back at Transplanting	Cut-back once to keep more compact.
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Growing On

Container Size(s)	1-2 plugs per 11/12 cm (4 1/2")
Fertilizer	Light (100-150 ppm)