



CALTHA leptosepala


Mountain or Elkslip Marsh Marigold

Item No.: CA043

Also available as: 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)
6,00€	12,00€	108,00€	972,00€	-	-

Plant Description

Life Cycle	Perennial
Family	Ranunculaceae
Origin	Western North America
Special Features	White blooms with a slight bluish cast, flower above clumps of round leaves.
Historical	Used historically for wart removal.
Basic Colour	(white / cream)
Flower Colour	white, often outside bluish
Natural Flowering Period	March - April
Winter Hardiness Zones	Z3 - Z7
Foliage	round
Growth Habit	clumping / compact
Height with Flowers	20 cm
Spacing between Plants	20 cm
Soil Requirements	boggy
Location	
Usage	water or marshplant

Cultivation

Grams per 1000 seeds	0.76923 Gram
Seeds per Gram	1300 (does not correspond to the number of plants!)
Gram to get 1000 plants	3 Gram (if sown directly into pots etc. you will need a larger quantity)
Sowing Rates/Trays	3 per cell
Plug tray recommended size(s)	open flats / 72

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.

(3) These species usually show excellent results if sown soon after the harvest, although most of them only germinate in spring after the effect of winter. For best results please order seeds in time.

(18) See 17. Allow the seed trays to be left for only 2–4 weeks at warm temperatures, then keep at 0°C [32°F] for another 4–6 weeks. It does not matter if the water freezes. After this treatment allow temperature to rise gradually.

(17) Waterplants must be sown in waterproof plastic trays or similar containers containing a nutritious muddy compost. Fill water up to 1 cm over the top of the compost. Keep the trays at warm temperatures of approximately $+22^{\circ}\text{C}$ [72°F].

Scheduling

Germination to Transplant	6 - 8 weeks
Transplanting to Potting	8 - 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")
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)