

Growing information Ranunculus

Pre-sprouting (preparation) information for Ranunculus

The reason you do this is to have bulbs start the development and have a better and more even start on growing your Ranunculus for optimal rooting and flower development.

We ship the bulbs dry.

Count back 2-4 weeks from the date on which you want to plant (the preparation period takes 2-4 weeks depending on the type of Ranunculus).

You have received your Ranunculus bulbs in plastic trays, packed in netlon bags

Divide 1 crate over 2 crates in equal quantity. So 1 bag per crate (if crates are too full when you soak the bulbs, they will expand 2 to 3 times).

Preparation for planting:

Butterfly

Soak the bags for 24 hours in cold water at a temperature of 5 degrees C in a cooler. With 1% of Topsin (active ingredients: thiofanaat-methyand 500 g/l) + ½% Securo (active ingredients: pyraclostrobin 100 g/l + folpet 300 g/l).

Make sure that the whole bag is submerged in water for the whole period!

After this, store for 3-4 weeks in a cooler at a temperature of 5 degrees C and with high humidity. The bulbs should never dry out, but also they also cannot be wet. Check the bulbs each day and turn the bag in the crate one time per week.

Romance

Soak the bags for 12 hours in cold water at a temperature of 5 degrees C in a cooler. With 1% of Topsin (active ingredients: thiofanaat-methyand 500 g/l) + ½% Securo (active ingredients: pyraclostrobin 100 g/l + folpet 300 g/l).

Make sure that the whole bag is submerged in water for the whole period!

After this, store for 2-3 weeks in a cooler at a temperature of 5 degrees C and with high humidity. The bulbs should never dry out, but they also cannot be wet. Check the bulbs each day and turn the bag in the crate one time per week.

Very important: keep checking if the roots are not too wet and also not too dry. At temperatures above 5 degrees C we see more rot / mold on the bulbs.

To keep the soil life well in the summer, keep your soil moist, put organic material on your soil and mix it (this compensates for imbalances in your soil).

New planting:

Plant in a moist and well-drained soil. And take a soil sample (before you start preparing the bulbs).

Click [here](#) to see an example of a soil sample.

Fertilizing depends on a soil and water sample / analysis.

- PH: 5.8 – 6.3;
- EC: 1.3 to 1.5.

Ranunculus Romance series

- Grow: Romance in nets;
- Watering: by drip hoses.

Start of the cultivation

Until some years ago, only phosphate was known for a better root development. Now we know that the plants have a preferred order as it comes to the absorption of elements. In the first stage of growth they need **sulfur**, followed in order by **boron, silicon, calcium, nitrogen, magnesium** and last but not least **phosphorus**.

The availability of these elements – especially boron, silicon and calcium – are essential for a good start of the plants. If one of these elements is not (enough) available, the chain will be broken and the growing process might start slower or with more problems.

Important: do not remove more moist and rooted bulbs from the cooler than you can plant in 1 hour. So that the hairy roots cannot dry out! When they do dry out, you will have a slow start and an uneven crop.

Spacing

Ranunculus Butterfly: planting in the soil, 30 cm apart from each other in the row, with 35 cm of space between the rows and with 3 rows per bed (9 bulbs per meter bed).

Ranunculus Romance: planting in the soil, 20 cm apart from each other in the row, with 20 cm of space between the rows and with 4 rows per bed (20 bulbs per meter bed).

Planting depth: approximately 1-2 cm of soil **on top** of the bulbs.

Plant the bulbs with the center of the bulb facing up and the end of the roots down. Be careful of not damaging the new sprouts or new roots when planting. Give water after planting so the soil is slightly moist and encloses around the bulbs.

Approximately 1-2 weeks after planting, drench the soil with a 'cocktail' so the rooting is easier:

- Risolex;
- Topsin;
- Proplant/previcure.

Diseases and insects:

Botrytis and Mildew: spray with Flint, Ortiva or Switch (the only remedy that works curatively at low temperatures) and use leaf fertilizers + trace elements to make the leaves harder.

Leaf spot: spray preventive with Luna Privilege and use leaf fertilizers + trace elements to make the leaves harder. Because this disease is very contagious, it is important to spray preventive.



Leaf spot disease

Xanthomonas: gives round, purple-red spots, often with a yellow circle. Spray preventively with, for example, Serenade or Ranman Top. And use leaf fertilizers + trace elements to make the leaves harder.

Do regular spotting in the greenhouse to check for: Caterpillars, Aphids (Tepeki), Leaf Miners (Vertimec), Spider Mites, Thrips and Whiteflies. And spray when needed.



Damage by caterpillars

Flower treatment during harvest:

Click on this link: <https://www.monarchflowers.nl/en/images/growing-videos>

Do not pull the stems from the bulb!

When flowers are cut early in the morning, as soon as possible place them in water at a temperature of 4 degrees C (even before bunching) and store them in a cooler. If the crop is harvested later during the day and if there is more heat in the crop and the stem, the stem dries in and will absorb less water.

Cutting stage Ranunculus Butterfly: sometimes you could have an early stretched flower stem on the very first stem. This early stem needs to be pinched. And when the flower stems develop into normal stems, start cutting when 2-3 flowers are showing color.

Cutting stage Ranunculus Romance: let the flowers open and close for 3 days and then cut the flowers for maximum size.

Add a Chlorine tablet of Florissant 520 into a bucket with water to be placed in the cooler.

Green Works also supplies other summer flower starting material, like: Asclepias Beatrix®, Helleborus or. Queens™ and Paeonia.

For more information, please consult [our website](#) or contact:

Ed Kleijbeuker tel. 0031 (0)6 24 94 64 05 | ed@green-works.nl

Daan Kneppers tel. 0031 (0)6 51 82 47 12 | daan@green-works.nl

Also, follow Green Works on [Twitter](#), [Facebook](#), [Instagram](#) and [LinkedIn](#) for more relevant information about Helleborus or. Queens™ amongst other things.



Green Works is the grower specialized in young planting material for Peonies, Ranunculus, special pot plants and summer cut flowers. Green Works also is a large grower of peonies for the successful cultivation for cut flower and trade, in the Netherlands and abroad. We supply within the Netherlands and globally to professional growers and (export) traders. With support in cultivation, promotion and sales, Green Works offers a total package to put an unique and healthy product on the market: www.green-works.nl/en

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