



# Anemone coronaria

The genus Anemone belongs to the buttercup family Ranunculaceae, commonly called windflowers.

Anemone Coronaria is most likely the "Lily of the field" in the Bible.

All groups included in this Catalog are grown and imported from Israel.

Anemones are herbaceous plants that hibernate during the summer months; hence they grow best and produce the most flowers in cooler

environments. They are native to the temperate and subtropical regions of all continents except Australia, New Zealand, and Antarctica.



## The following groups are available:

Carmel

This triploid (3n)\* group is known for its colorful flowers which are larger than both the Jerusalem and Galilee groups. The flowers are larger, but there are fewer flowers per corm than the Jerusalem or Meron groups. They have solid strong stems which average 16" (40 cm.).



Fullstar

This new group of double or semi-double flowers are diploid (2n)\* which are very suitable for cut flowers. They look like a cross between an Anemone and a Ranunculus. They can be grown with other Anemone series. They have 30% more flowers than the Jerusalem and Meron groups but the flowers are smaller with somewhat weaker, thinner stems, therefore we recommend to discard the first flowers in order for the plants to grow fuller.

Breeding is ongoing to improve this unique group.

Galilee

This group is triploid (3n)\* and is known for its larger flower size and more body than the Jerusalem varieties. Like all triploids, they are slower growers.

Flower stems are 18 - 24" (45-60 cm.) tall. The flowers of this group are of excellent quality.





Jerusalem varieties are diploid (2n)\*, meaning they are easier to grow.

They are very floriferous, bloom early and are excellent for growing outdoors, even in warmer climates. Flowers are medium size but larger than Anemone Coronaria 'De Caen'. To improve flower size, see suggestions on page 14 when to cut the flowers.



This tetraploid (4n)\* group was hybridized and grown in France by our breeder Comptoir Paulinois. However, at the moment these corms are not grown in France but produced in Israel for faster expansion of the available crop.























### Climate

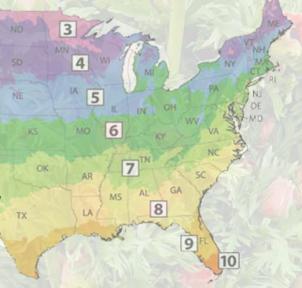
Climate plays a big role in deciding whether to "cold-store" corms after the intial soaking of 24 - 36 hours.

Optimum temperatures for planting Anemones are 68°F. (20°C.) day and 37°F. (3°C.) night.

- \* In cooler climates (northern states), corms can be planted in either Fall or Spring. At these locations, planting can be done immediately after soaking and dipping the corms.
- \* In generally milder climates (middle of the country) that are cool in late Fall and early Spring, the grower can decide whether or not to use cold storage.

  Shading (30%) may be needed when temperatures rise above the optimal temperatures recommended.
- \* Warm climates should use the cold storage treatment and program the soaking-storing-planting dates to fully use the benefit of cooler temperatures where possible. Corms should be planted in the coolest location (of the greenhouse).

Shade cloth (30%) is needed. In addition, cooling pads may be used to help keep the plants cool.



#### **Upon Arrival of the Corms**

If corms will not be planted immediately upon arrival, please store them at 65-70°F. (18-21°C.) in a well-ventilated area. Keep the corms dry; watch the humidity.

#### **Pre-Plant Soaking all Corms**

All corms need to be soaked for 24 - 36 hours (depending on size, see page 3). Soaking needs to be done in 60°F. (15°C.) running water. Let the faucet drip so there is a continual run-off. Make sure this soaking is done in a shaded place, similar in temperature to the water. NOTE: Corms will expand up to three times their size. (If net bags are being used, allow for this expansion.) If more than one variety is being soaked at the same time, use water-proof tags to identify the variety. After soaking is completed, let corms drain and then dip the corms for 30 minutes in a biological preventive solution (Rootshield® PLUS + WP or similar)\*. It can also be applied as an initial drench but is not as effective as soaking.

During the growing season, a half strength drench (once the plants are well established) will optimize root growth.

The reason we strongly recommend RootShield® *PLUS* + WP or similar rather than other chemicals is because it is labeled for organic use and many of our customers are certified organic growers.

#### **Cold Storage Treament for Earlier Production of the Soaked Corms**

See the suggestions for milder and warm climate zones.

\* Cold storage should be done for four weeks at 36°F. (2°C.). After the soaking process is completed, pack the corms in wet vermiculite. Proper moisture is a must! 26.5 Gallons (100 lt.) of size no. 3 vermiculite is sufficent for 10,000 corms. Wet the vermiculite with 22 gallons (6 lt.) of water. Some Rootshield® (or similar product) can be added to the water. Too much moisture can cause rotting of the corms. To ensure the vermiculite is not too wet, squeeze the vermiculite. If it drips water, it is too wet.

Continued next page...



rowing Chalbuctions for Cut Flower Production

#### Cold Storage Treament for Earlier Production of the Soaked Corms (continued)

- \* Pack the corms and vermiculite in plastic (drainable) bulb crates: first a layer of newspapers, then a half inch of vermiculite, then a layer of corms. Repeat the layering to 2/3 of the crate and finish with a thin layer of vermiculite and newspapers.
- \* Store the corms in vermiculite in a cooler at 36°F. (2°C.).

  Check periodically for possible fungus. If infected corms are seen, discard them immediately.

  If needed, disinfect the good ones and repack in fresh vermiculite. Make sure corms and vermiculite are still moist, but not wet. Check and dispose of water in bottom of crates.
- \* After about 4 weeks, corms will begin to sprout and form rootlets. When removing out of the crate, be careful not to damage new growth or roots. When planting, shade the corms with damp cloth or wet newspaper.
- \* This process will enable flowering 45 50 days after planting.

#### **Planting**

- Plant dates: Fall or Spring as long as soil temperature when planting is approximately 68°F. (20°C.). Temeprature should not exceed 75°F. (24°C.).
- When planted in raised beds, it is suggested to make the beds 3 feet (1 meter) wide with 3 rows of plants leaving as much space as possible in between the rows for easier picking.
- \* Plant density is about 22 27 corms per square yard, or 25 30 corms per square meter.
- Plant corm with point down and cover with
   1 2" (3 5 cm.) soil, depending on soil type.

#### Watering

- Plant in moist soil and follow up with good watering which is very important. Soil should be damp to a depth of 14" (35 cm.)
- \* Water daily with sprinklers to cool down soil until sprouts appear, if the weather is warm, increase watering to cool the soil.
- \* After all plants are showing, drip irrigation can be used with drip openings placed every ft. (30 cm.), one drip line between two rows.

  Avoid overwatering.

#### Fertilizer

- \* Always test soil for pH and E.C. Ideal pH is 6 to 7.
- \* Best to hold off fertilizing until after first month of growth. After that apply 150 ppm Nitrogen and 25 ppm Phosphorus according to the needs of the plants and soil which are best determined after a soil test. A leaf test is recommended if the foliage looks wanting. Outdoor grown Anemones may need additional fertilizer after rain storms, which may possibly wash away nutrients.

#### **Shading**

\* If the temperature rises above 68°F. (20°C.) during germination of the crop, 30% shading nets are suggested to keep the tender plants cooler. Shading will also improve stem length, however when daylight lessens and light intensities are going down, shading needs to be removed as it will result in (up to 30%) fewer stems.

#### **Weed Control**

 Since many growers are biological growers, hand weeding is still the safest method. All other growers do not use systemic herbicides.

#### **Harvesting / Cutting**

- \* The best time is the cool hours of the day.
- \* Place the flowers in clean, cool water.
- Cut flowers when buds are erect (See previous page for optimum sized flowers).
- Keep flowers in cool shaded area until they go into the cooler.
- Keep flowers in cooler for at least 2 hours standing upright before bunching.
- \* Throughout bunching, storing, and transportation keep flowers upright to prevent bending at the throat.





