

# Cane Berry

## Planting & Growing Guide

Questions? Contact us at (888) 784-1722 or [helpdesk@groworganic.com](mailto:helpdesk@groworganic.com)

Blackberries, Black Raspberries, Red Raspberries and Yellow Raspberries are very closely related. Botanists separate the Raspberries from Blackberries by determining if the core stays in the ripe fruit (Blackberries) or if the core is lost and resembles a thimble (Raspberries) during picking. A few berries are a cross between Blackberries and Raspberries, including Boysenberries and are called Trailing Blackberries. All bear fruit on two-year-old wood, except Everbearing Raspberries, which also fruit on first year growth. Everbearing raspberries are not truly everbearing; they bear a late summer or fall crop on the first year's growth and a second crop the following spring on two year old wood.

Remember that after flowering and fruiting, any cane that bore fruit dies back to the crown. When establishing a new planting, it is very important to cut the top back on the bare root transplants if this has not already been done. All the new growth that will arise from the transplant will come from primary buds just below the soil surface. If you examine the crown of the plant, you will see 2-5 small buds or shoots just above the roots at the base of the crown. All the top growth above the primary buds is the cane that grew in the nursery row the previous summer and is now two years old and programmed to flower and fruit. If you leave this 2-year-old top growth intact, it will start blooming and try to fruit at the expense of the new cane growth that you are trying to encourage from the primary buds. Without a properly established root system, the newly transplanted berry may dry out in an attempt to ripen fruit on the excess cane. By cutting the tops back, your transplants will have a much better survival rate and better growth will result. Any transplant will experience some stress. By cutting back your bare root canes, less stress will occur.

### HEELING IN

When your bare root plants arrive, open the plastic bags immediately. It is best to plant right away, within a week of delivery, however if you cannot plant right away, you may "heel in" the plants to protect them and keep them alive (but still dormant) until you are able to plant them in their permanent spot.

**Outdoors:** To heel in bare root plants outside, pick a location that is shielded from wind. Dig a trench about twice as deep as the roots are long, with one side of the trench sloping at a 45° angle. Place in the hole roots side down, so that the plant is supported by the sloping side. Cover the roots with soil or sand and gently tamp down to avoid air pockets. Periodically check the root area, keeping the soil moist.

**Indoors:** To heel in bare root berries indoors, whether due to snow or a frozen ground, choose a cool place like a root cellar, basement, or garage. It's important to choose a place where the temperature stays between 38°F and 45°F. This is important so the roots neither freeze, nor does the plant break dormancy. Place the roots in a container with soil or sand and be sure to keep the root area moist.

**Potted Varieties:** If your berries come potted and you are not ready to plant, just keep them in the pot and watered. Keep the plants in a location that stays between 38°F and 45°F. Do not cut back the canes as described for the bare root varieties.

**Once the plant comes out of dormancy in Spring,** it takes 4-6 weeks for new growth to show; leave 3-5" of the old top above the ground to "mark the plant" in the row.



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### Important Information

- **If your plants arrived damaged,** take photographs and contact us immediately and we will provide you with a refund of the purchase price, or a replacement.
- **You should plant your berries within a week of delivery.** If you are unable to do so, you can plant it in a pot or "heel in" your berries until you are able to plant.
- **In the rare event that your berries do not leaf out by May 15th,** we offer a Limited Guarantee on dormant plants. See the last page for details.

**Trailing Blackberries** thrive in most soil types but good drainage is desirable. Soils that are naturally fertile, easily worked and retain moisture well, are the most suitable.

**Blackberries** prefer a loose textured, well-drained soil. Avoid sites with a high water table where water sits for long periods of time, especially during winter months. Blackberries will thrive in most soil types and are cold hardy in most areas of the United States.

**Raspberries** prefer a deep, well-drained, fertile soil. Raspberries are deep rooted and need good drainage. Raspberries are very versatile and hardy in the coldest climates where other cane fruits fail.

### FERTILIZER & IRRIGATION

Fertilizer and irrigation should be avoided until the primary buds force and new canes begin to grow.

**Trailing Blackberries** respond extremely well to balanced organic fertilizers applied at blossom time. Good soil moisture should be maintained by irrigation for the first year after planting and fruit production will increase if irrigation is continued until the fall rains in following years.

**Blackberries** prefer a naturally fertile soil with high organic matter. Apply a well-balanced organic fertilizer in early spring. Plants should be watered moderately during the growing season.

**Raspberries** benefit from high organic matter soils. Organic matter provides drainage in heavy soils and increases the moisture-holding capacity of sandy soils. Work compost into the soil prior to planting and supplement with a well-balanced organic fertilizer after new growth begins in spring.

## PLANTING INSTRUCTIONS

Soak the roots of the bare root canes in water for an hour or so prior to planting. Plant the root system intact if possible, but if the planting hole is smaller than the root system, prune the roots to fit rather than "wad" them in the planting hole. Avoid over-watering while the plant is dormant; over-watering can lead to root rot. Berries will die in mud! Normally, spring soil moisture is adequate for growth if the root system was soaked prior to planting. Planting berries an inch deeper than they grew in the nursery row is misinformation; they should be planted at the same depth that they grew in the nursery row, covering any white sprouts arising from the crown.

**Trailing Blackberries:** Plant in late winter to early spring. Avoid pruning the roots of thornless varieties as this may encourage thorny suckers. Plant 6' - 8' apart and train them on a trellis.

**Blackberries:** Plant in late winter to early spring. The older stems or tops of the transplants can be cut back several inches. Space them 3-4' apart in the row, and 6-8' between rows.

**Raspberries:** Plant in spring or late winter. Space 2-3' apart with 10' between the rows. Cut back a few inches, as most of the growth will arise from the roots or from the base of the planted cane.

**Potted Varieties:** Plant in the spring or late winter. Space according to the variety (see above). Do not cut back the cane as you do with the bare root. Plant at the same level as they are in the pot.

## PRUNING

For more information on pruning and training of berries, see the **Fruit Gardener's Bible** by Lewis Hill, offered in the book section online at growOrganic.com.

### Return Policy

#### Perishable Items (3-Day Return Policy)

We guarantee the perishable items we sell to be in good, viable condition when we sell them. Perishable items include, but are not limited to, garlic bulbs, flower bulbs, seed potatoes, onion sets & transplants, bare-root trees, vegetable crowns... etc. If your perishable item arrives in substandard condition, please contact us within 3 days of the purchase date (or delivery date) and we will provide you with a refund of the purchase price (including shipping costs), or a replacement. Accordingly, we urge you to open any boxes marked as "Perishable" immediately upon receiving them. Because some perishable items can deteriorate very quickly, we cannot accept any claims beyond the 3-day time frame as it becomes too difficult to determine if these items were delivered in substandard condition, or if they turned into such substandard condition because of having been improperly cared for or stored once delivered.

### Limited Product Guarantee

#### Limitation of Remedy

We warrant to the extent of the purchase price only that the seeds or plants sold hereunder are as described on the label within recognized tolerances. No other warranty is given, expressed or implied, of (1) the merchantability or fitness of the seeds or plants for any particular purpose, or (2) against loss due to any cause. We cannot accept any responsibility for the many uncontrollable growing and climatic conditions (soil preparation, fertilization, weed and pest control, temperature control, irrigation...etc.) that must be met to insure the success of your crop(s) or plants.

### Limited Dormant Tree & Plant Guarantee

#### \* Claim deadline is June 15th

We guarantee that your dormant tree or plant will arrive in good, viable condition. If your tree arrives in substandard condition, notify us within 3 days of delivery. Please email pictures of the box, inside packaging, the tree and its roots to helpdesk@groworganic.com. We will investigate your claim and process a request to exchange or refund the dormant product.

If your dormant tree or plant has not grown new leaves by June 15th, you may be eligible for our Limited Dormant Tree & Plant Guarantee. This guarantee provides for a store credit for the purchase price of the tree, excluding shipping. Please see the Instructions below.

#### Important Dates:

- April 1st Dormant trees/plants must be planted in the ground
- May 15th Perform scratch test, if no new leaves have grown
- June 15th Deadline to apply for a dormant tree/plant credit

All required documentation must be received by June 15th for your claim to be considered. Claims or documentation received after June 15th will be denied, without exception. Instructions listed below

#### Terms and Conditions

We cannot guarantee that your tree or plant will remain alive and healthy after it is received, or bear fruit as there are too many variables in your environment that are beyond our control (i.e. soil preparation, weed and pest control, proper irrigation, chill hours, compatible hardiness for your growing zone, proper choice of pollinator, extreme weather, rodent damage, disease, etc.).

We cannot guarantee that we will be able to provide a replacement tree/plant of the same species either that same growing season or in future years. Customers are responsible for all shipping fees associated with replacement trees and plants.

If we determine that the tree you purchased directly from us is not viable, we will issue you a store credit (not a refund) for the purchase price of the affected dormant tree or plant. Shipping is not included in the dormant tree/plant guarantee. Store credits can be used to purchase any product we sell and are valid for use only until July 1st of the following year.

Historically, 98% of our dormant trees and plants grow and thrive when they have been cared for and planted using our growing guides. Dormant trees and plants must be planted in the ground by April 1st in order to be eligible for credit. If the ground in your area is still frozen solid, you may temporarily plant your tree or plant in a pot.

Potted, non-dormant trees or plants are excluded from this guarantee as they are not dormant at the time of shipment. Evergreen trees such as citrus, avocado and olive trees are not available for credit under the Dormant Tree and Plant Guarantee.

#### Instructions

We guarantee that your dormant fruit tree or plant will leaf out, if you care for it according to our growing guides. In the unlikely event that your dormant tree or plant does not have leaves by May 15th, follow these simple steps to apply for a store credit:

Before you call or email, please perform a "scratch test" to determine if the tree or plant is still alive. This video shows how to check for live tissue under the bark. Scratch tests need to be done a few inches above and below the graft.

#### Green Cambium Layer-Living Trees/Plants

If the cambium layer under the bark is green, give your tree a little more time. It is still alive, but hasn't come out of dormancy yet. Check to make sure that it is getting the right amount of deep root water, enough sunlight and that the weather is warm enough for that type of tree/plant to come out of dormancy. Every tree has its own personality and will come out of dormancy at different times. Be sure to submit the required documentation listed below by June 15th, if it doesn't grow leaves.

#### Brown Cambium Layer-Dead Trees/Plants

If the scratch test shows a brown cambium layer or if your dormant tree/plant doesn't have leaves by June 1st, please email us at helpdesk@groworganic.com. All required documentation listed below must be received by June 15th for your claim to be considered. To be considered for the guarantee claim, all required documentation must be received by June 15th. Incomplete submissions will be denied.

#### Required Documentation

1. Order number
2. Name of dormant tree/plant and the quantity affected
3. Photos of each tree or plant showing: The roots (tree or plant must be pulled out of the ground), the scratch test areas, the entire tree/plant

We reserve the right to not issue credit for items that have already been replaced. We also reserve the right to require photographic evidence that the tree/plant was not killed by root rot, rodent or mechanical damage.



### Peaceful Valley Farm & Garden Supply

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