

Horseradish

Planting & Growing Guide

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



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A hardy perennial that grows in all zones except the hottest, low desert regions. Where you plant depends on whether you intend to treat it as a perennial and leave it in place for years, or as an annual that you will re-plant each fall. For perennial planting, give it plenty of space, as it will reach about 3' tall x 2' wide. Plan on keeping it in line by harvesting all the lateral roots each year or it will re-sprout from these and soon you'll have a grove that is very difficult to harvest. Plant in full sun to partial shade.

Grows in most soils, but prefers sandy loam and thrives on potassium. Amend your soil with sulfate of potash if needed. If you mulch in colder areas, wait until the soil is frozen before placing mulch, as horseradish dislikes any cycle of freezing and thawing. The mulch will help keep the soil frozen during warm spells. Needs good drainage; susceptible to root rot; so avoid planting again in same location for 3-4 years.

HEELING IN

When your bare root crowns 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 crowns 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 crowns outside, pick a location that is shielded from wind. Dig a trench about twice as deep as the roots are long. Place in the hole roots side down. Cover the crowns with soil or sand and gently tamp down to avoid air pockets. Periodically check the crowns and keep the soil moist.

Indoors: To heel in bare root crowns 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 crowns neither freeze, nor do the crowns break dormancy. Place the crowns in a container with soil or sand and be sure to keep them moist.

PLANTING & GROWING

Plant 2-3' apart in fall or early spring. Roots may appear crowned on top, or are bluntly cut straight across on the top end, and on a slant at

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 horseradish within a week of delivery.** If you are unable to do so, you can plant it in a pot or "heel in" your horseradish until you are able to plant.
- **In the rare event that your horseradish does not leaf out by May 15th**, we offer a Limited Guarantee on dormant plants. See the last page for details.

the bottom end. If you harvest your own roots for planting a new crop, be sure to cut them the same way. Cultivate down to at least 8" and amend soil as needed. Horseradish does best in moist, rich soil high in organic matter, but avoid excessive nitrogen, which causes forked roots. The crown will be placed in the hole at an angle, not straight up and down, and the top should be 2" below the soil level, so dig a hole sufficient to accommodate your root (approximately 6-8").

Mix a good-sized handful of compost into the soil at the bottom of the soil (unless you've done an outstanding job of amending). Place the crown, and backfill while holding it in position. Provide ample water during the growing season or roots will be small and excessively pungent. If you plan to treat the plant as an annual and harvest the entire thing in fall, trim back lateral roots every six weeks beginning when the plant reaches 12" tall. To do this, carefully remove the soil down to the roots, snip off any exposed lateral roots and repack soil around the taproot. This procedure helps direct energy into developing the taproot; it's far easier to peel and prepare one large root than several small ones.



HARVESTING

Horseradish roots set out in the spring are of harvestable size by fall. Most growth occurs in late summer and early fall, so it's best to delay harvest until October or November. Dig up the entire root. A perennial, pieces of roots left in the ground will grow the next spring, but will lack the quality of young roots. Large main roots left in the soil till spring and harvested before new growth begins will have the hottest taste.

STORAGE

Horseradish stores best when it is harvested later in the fall after the root has become conditioned to the cold. Allow to dry, and then pack in bins between layers of moist sand or sawdust. Place in a dark location where humidity is over 90% and the temperature is between 32–40°F. Over 45°F and they will begin to get woody and sprout. In optimal conditions, horseradish may be stored for 6–12 months.

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 damaged 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

P.O. Box 2209 • 125 Clydesdale Ct. • Grass Valley, CA 95945
(888) 784-1722 • Fax (530) 272-4794
www.groworganic.com

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