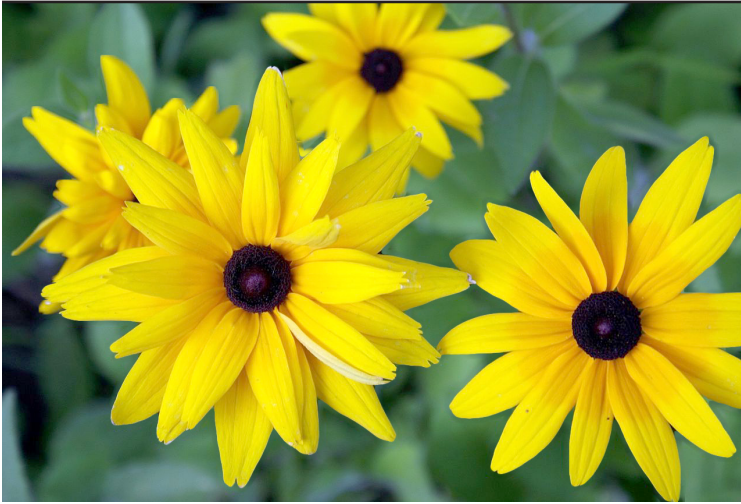


Jerusalem Artichoke

Planting & Growing Guide

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



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The Jerusalem artichoke, (*Helianthus tuberosus* L.), also known as sunchoke, is a species of sunflower with edible tubers. This perennial plant can grow in excess of five feet tall and is often planted as an ornamental for its small yellow flowers. The tubers taste like water chestnuts and can be used fresh in salads or cooked like potatoes. Tubers appear similar to ginger root, and the flesh can vary in color from white to red. The seeds from the flowers are edible as well, but smaller than your normal sunflower seed.

Jerusalem artichokes are hardy plants that prefer cooler climates, and can grow well in poor soil. For best results plant in porous soil with good drainage in a spot with lots of sunlight. Because any tubers left in the soil over winter will produce new plants in spring, Jerusalem artichokes can be invasive and may take over large areas. For this reason many gardeners recommend planting them away from other garden beds, maybe by a fence or next to a building, or in a raised bed of their own.

The tuber's principal carbohydrate element is inulin, which converts to fructose in the digestive tract (as opposed to glucose), and therefore is better tolerated by diabetics. Its low starch content also makes it a good choice for someone on a low-starch diet.

HEELING IN

When your bare root tubers 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 tubers to protect them and keep them alive (but still dormant) until you are able to plant them in their permanent spot.



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

Outdoors: To heel in bare root tubers outside, pick a location that is shielded from wind. Dig a trench about twice as deep as the tubers, place in the hole and cover the tubers with soil or sand and gently tamp down to avoid air pockets. Periodically check the area and keep the soil moist.

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

PLANTING & GROWING

Plant tubers in late winter or early spring, as soon as the soil can be worked. Later planting results in smaller yields. Add a balanced fertilizer, high in Phosphorus, like a bulb or flower blend. Before planting, cut tubers into one to two ounce pieces, with two or three prominent buds. Don't let the pieces dry out before planting. Small tubers can be planted without cutting. Plant the tubers 12-24" apart and cover them with 3-5" of soil.



Jerusalem artichokes don't need a lot of care during the season. Weed around the young plants and soon they will shade out any weeds themselves. Water like you would a sunflower if you don't get summer rain.

HARVESTING

Harvest your crop after the first frost or when the flowers start to die back. Cut the tops and dig out the tubers. A hand rake makes this job easier. Tubers dug later in the season are sweeter but have less inulin. You can leave tubers in the ground and harvest as needed, but be sure to harvest all the tubers before spring to avoid unwanted "volunteers". If you have young plants come up that you don't want, destroy them before they can set tubers.

STORAGE

After harvest, scrub the tubers with a vegetable brush. There is no need to peel them. They should be stored in high humidity at a temperature close to 32°F. In these conditions the tubers can be stored for several 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.



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