





The Rewards

Daikon Radish January 1



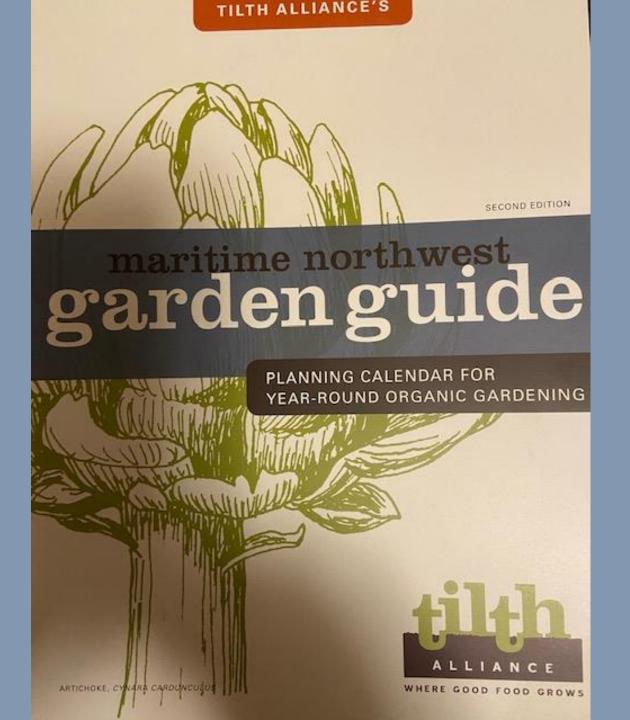
Daikon Radish, Leek, Carrots, Kale, January 1





It's Possible to garden year-round in the Pacific Northwest





Celery

Cabbage



Swiss Chard and Parsley on January 17 after 1 foot of snow



Overwintered Beets



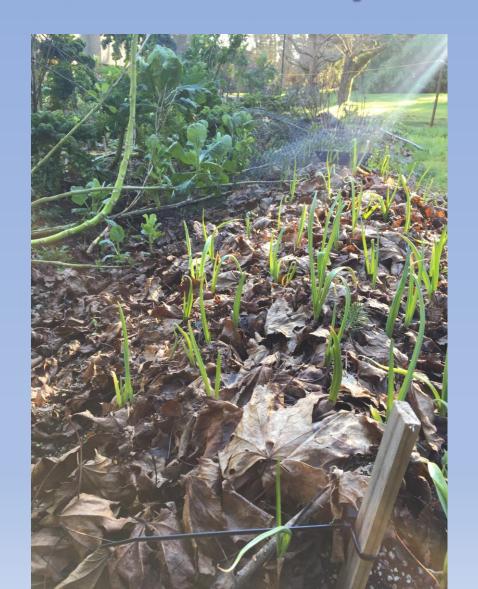
Kale--February



Carrots (March 16), Kale, garlic



Garlic February 10



Year-Round Gardening in the Pacific Northwest

- Marine climate—temperate climate-the Pacific causes solar warmth to build up slowly and be released slowly. And winds bring moderately cool moist air in from the Pacific.
- The Cascades shelter us from harsher weather east of the mountains.
- Historically, we have had cool-moderate springs lasting into June.
- Our fall weather usually starts in Mid-August and often stays mild into mid November. This makes soil temperature important and our cool night temperatures can make it important to help out our less hardy plants. Frost dates are often unpredictable though our average first frost date is mid-November.

Microclimates vary because of

- Where the sun moves
- What trees or buildings block it.
- Where wind moves through
- Or a south-facing wall
- Dips where cooler air drops down

Zone maps can help to a degree

- A record of your first frost date can help guide you.
- If you're at higher altitudes choosing shorter maturity crops can make all the difference in your success rate.
- Choose plants that fit within your hardiness zone.

Timing your planting

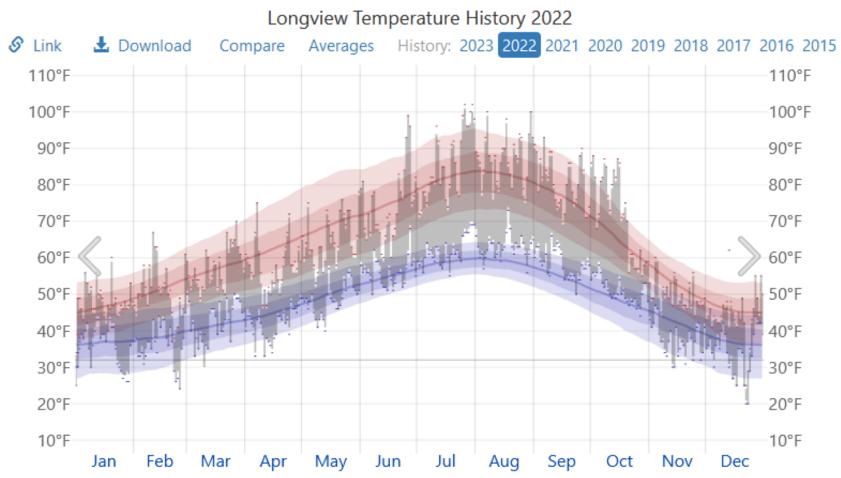
- In the fall because of lessening sunlight and warmth plant growth slows so allow 2-3 additional weeks extra beyond the stated maturity time for the plants you choose and if you're not going to protect tender crops add an extra 4 weeks to the expected harvest date.
- Growth basically stops and only maintains when the sunlight drops to 10 hours a day. This is approximately October 15th.
- Plan on crops maturing but not bolting before the cold weather.
- Plan on hardy plants being finished with their new growth before freezing temperatures.
- Low temperatures reduce photosynthesis and therefore also slow growth.
 Plants grow best when there is 10-15 degrees difference between daytime and nighttime temperatures.

Timing your planting

 Purchasing or growing transplants can give you the additional time you need for your fall or winter garden to mature prior to freezing weather.

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Longview Temperature graph 2022



The daily range of reported temperatures (gray bars) and 24-hour highs (red ticks) and lows (blue ticks), placed over the daily average high (faint red line) and low (faint blue line) temperature, with 25th to 75th and 10th to 90th percentile bands.

Plants still need water in the winter. If it freezes hard they may desiccate. Water well if necessary before freezing temperatures.

Hardy vegetables can withstand temperatures below 28°F but tender foliage will not. Time planting so that new growth Is hardened off before frost.

Table 5. Suggested planting calendar for vegetable crops in the Pacific Northwest; specific dates should be obtained by experimenting in your area (adapted from Miles et al. 2010, 6-29–31).

Crop		Jan		Feb				Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec		
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Year-round gardening calendar and chart Second Edition

Includes days to harvest Sowing date range Planting date if transplant Last sowing date Harvest season Hardy to Temperature °F Frost Protection needed Detailed plant lists for each month



Available at tilthalliance.org \$18.95

Also in Amazon—be sure to get the 2nd Edition

Some plants that withstand heavy frost

Arugula Parsley

Fava Beans Pearl Onions

Beets Mustard Greens

Overwintering Broccoli Pak Choi

Overwintering Cabbage Parsnips

Chinese Cabbage Overwintering Peas

Carrots Spinach

Cauliflower Swiss Chard

Cilantro Turnips

Collards

Garlic

Kale

Lettuce

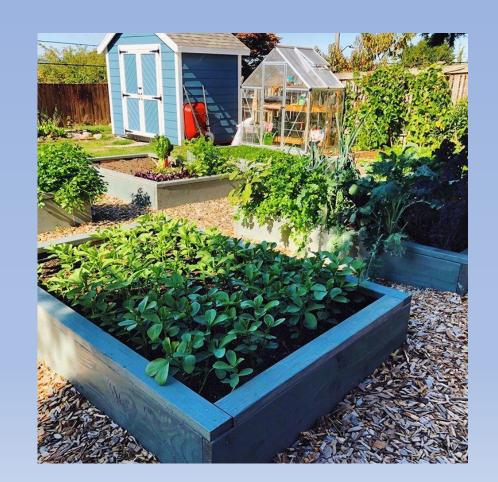
Kohlrabi

Site selection is important

Drainage



Where the sun is in the winter Likely different Than in the summer















Plant under succession plants for protection Use transplants rather than seeds May plant slightly deeper, keep moist Cover seeds with moist compost/soil mixture and wet burlap

The middle of August is usually cooler so easier to direct seed—easier to keep moist Make a cover soil of sifted compost and Lightly cover seeds 2-3 times their thickness Covering with moist burlap can help









Fava Beans Snow Peas





Sugar Snaps January 1



Cover Crops: Hairy vetch, Austrian field peas, crimson clover, wheat, oats, buckwheat, triticale, winter rye, etc.





Can benefit nitrogen fixation if you inoculate with inoculant



Cover Crops: Advantages protects soil from erosion, may add nitrogen, adds fiber to soil, outcompetes weeds, improves yields by enhancing soil health, reduces need for herbicides, conserve soil moisture, hosts beneficial microbial life, creates inhospitable environment for many soilborne diseases, can create crop rotation.





















Plant Covers Freeze Protection, 0.9oz 10x50FT Frost **Cloth** Plant Freeze Protection, Plant Frost Blankets Covers for Outdoor Plants for Winter...

★★★☆☆~83

50+ bought in past month

\$22⁹⁹

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Or fastest delivery Wed, Aug 9



Agribon AG-19 Floating Row Crop Cover/Frost Blanket/Frost Cloth/Garden Fabric Plant Cover

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tem Number or Keywords



Plant Covers Freeze Protection 10 ft x 30 ft Floating Row Cover **Garden** Fabric Plant Cover for Winter Frost / Sun Pest Protection (10FT X 30FT)

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NONMON Plant Covers Freeze Protection 10 ft x 50 ft 0.9oz for Cold Winter Outdoor Plants Vegetable Summer Sun Pest Protection, Floati...

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Protect Plants from Frost and Pests



- · Ideal for spring and fall gardening
- Provides frost protection
- · Allows partial passage of air, water and sunlight

Reusable

Don't let a late spring or early fall frost damage your plants. Floating from frosts to about 28 degrees F. Made of soft, polypropylene fibers, they warm the allowing air, light and water to penetrate. The covers are also less abrasive to tender



GRO-THERM PERFORATED TRANSPARENT FILM

Heat-loving plants rejoice!

Designed to warm up the growing environment for heat-loving crops like melons, eggplants, peppers, etc. Especially good in northern gardens and for very early plantings. Gardeners can expect daytime temper under this film to be almost 10 degrees higher than under Reemay. Gro-Therm is better than floating row for crops that need high light intensity and warmth. Gro-Therm's evenly spaced holes allow for consiste conditions. The 1 mil film has 300 holes per square yard for ventilation, eliminating the need to remove on a hot day.

SELECT OPTION

6' x 20'	more ▼	0	1 0	\$17.95	ADD TO CAR







Semi-hardy vegetables can withstand light frost—28-32°F Hardy vegetables can withstand lower temperatures—the tops may die but the roots will survive.







Planting

Rulen Ball Improved 5 78 days, 17, 7/14 2026

Supperticionistic History.

4 days later

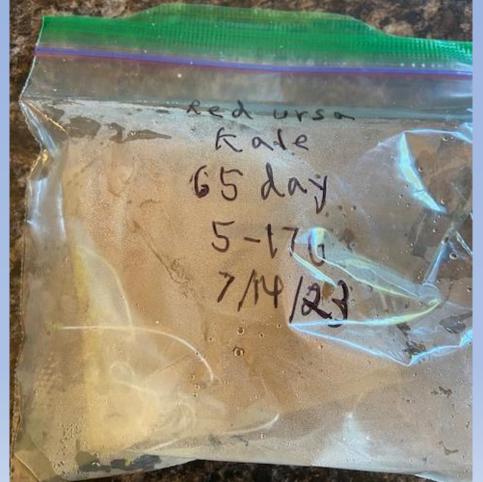


11 days later



Sprouting in a coffee filter And a sandwich ziplock bag

Can cut 5-7 days off of germination time



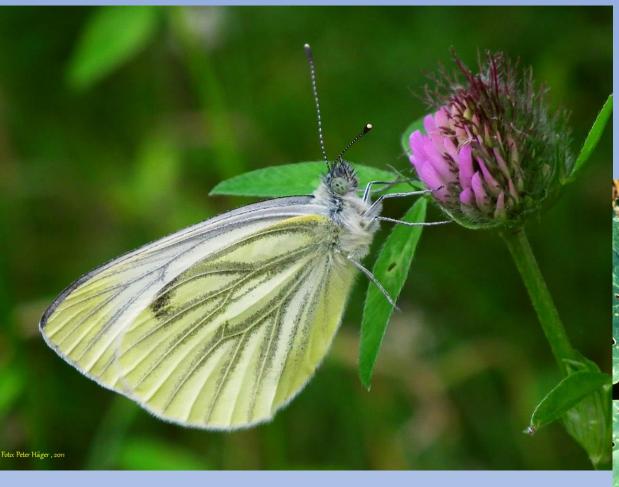
Slug eggs







Cabbage Butterflies





Cabbage Maggot Rotate crops and cover with row cover



Lettuce—hardy to 10°F with a cloche





Overwintering Vegetables



