

Garden Calendars: free sample

Pages from the Northeast Regional Calendar Pack and the Garden Journal 2027

This free sample shows what the Quietcog Garden Calendars products look like: a how-to page, the generic planting offsets, an example planting calendar, a station table, and a few journal pages. The full products add every state in a region, hundreds of stations, a 96-page journal, and a spreadsheet workbook that covers 6,900+ U.S. weather stations.

US Frost Dates & Planting Calendar Workbook

Pick your station, pick a freeze threshold and risk level, get your own spring/fall dates and a 2027 planting calendar (standard .xlsx file, checked in LibreOffice Calc).

Regional Garden Calendar Packs

Six printable regions: Northeast, Southeast, Midwest, South Central, Mountain West, Pacific. Letter and A4 PDFs plus an all-stations CSV.

Garden Journal 2027

A 96-page printable journal: monthly grids, 53 weekly pages, bed records, harvest and seed logs. Letter and A4.

Seed Starting Log

A spreadsheet planner plus printable log pages: when to sow indoors, and what actually sprouted.

US Bundle

Everything above in one purchase.

Where the data comes from: Source: NOAA NCEI, U.S. Climate Normals 1991-2020 (Annual/Seasonal), doi:10.25921/4ek7-fk11. Full citation on the last page of this sample.

Historical statistics, not a forecast. Dates are 1991-2020 averages and probabilities from NOAA station records. Actual frost and freeze dates vary from year to year and from yard to yard; nothing here is a prediction or a guarantee. Planting windows are generic offsets from historical dates, not agricultural advice. Follow your seed packet, your local extension office and the current weather forecast.

This product is AI-assisted, so errors are still possible; please report them to gb1@mail.grokbots.com.

Personal use for your own household, garden or one classroom. Please do not resell, share or redistribute the files.

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How to use this pack

Five minutes to your own planting dates

1. Find your station

Use the station tables (landscape pages) to pick the weather station closest to your garden, preferably at a similar elevation. The CSV in the download has every station in the region, not only the ones printed here.

2. Read the two dates

Last spring freeze = the date after which a 32F (or colder) night becomes unlikely. First fall freeze = the date on which freezing weather has typically arrived by. Each is shown at three probability levels from NOAA's 1991-2020 records.

3. Choose how cautious to be

10% / 50% / 90% are NOAA probability levels. For spring, the 10% date is the later one: only about 1 spring in 10 has had a last freeze after it, so it leaves the widest margin. The 90% date is the early one. For fall it runs the other way: the 10% date is the earliest first freeze (about 1 year in 10 has seen a freeze by then) and the 90% date is the latest. The 50% date is the median.

4. Apply the offsets

Page 'Planting offsets' lists generic weeks before or after the spring date for common crops (and days before the fall date for fall sowings). Add them to your date. Your seed packet and local extension office take priority.

5. Check the example calendars

Each state has an example station with a full-year bar chart: blue = start indoors, green = plant out or direct sow, clay = fall sowing window, light-blue shading = the 10-90% frost risk window.

Thresholds. 32F is the usual 'frost' line; 28F is a 'hard freeze' that damages many plants; 24F is a severe freeze; 36F marks chilly nights that can still stress tender plants. The tables show 32F in full and 28F medians; the CSV has 36, 32, 28 and 24F.

Limits you should know

Historical statistics, not a forecast. Dates are 1991-2020 averages and probabilities from NOAA station records. Actual frost and freeze dates vary from year to year and from yard to yard; nothing here is a prediction or a guarantee. Planting windows are generic offsets from historical dates, not agricultural advice. Follow your seed packet, your local extension office and the current weather forecast. Weather stations are not your yard: slopes, valleys, buildings, water and elevation change local freeze dates. Stations flagged S (Standard) have 24+ years of complete data; R (Representative) have fewer years or gaps filled from neighbours.

Planting offsets

Generic weeks from your last spring freeze date (negative = before)

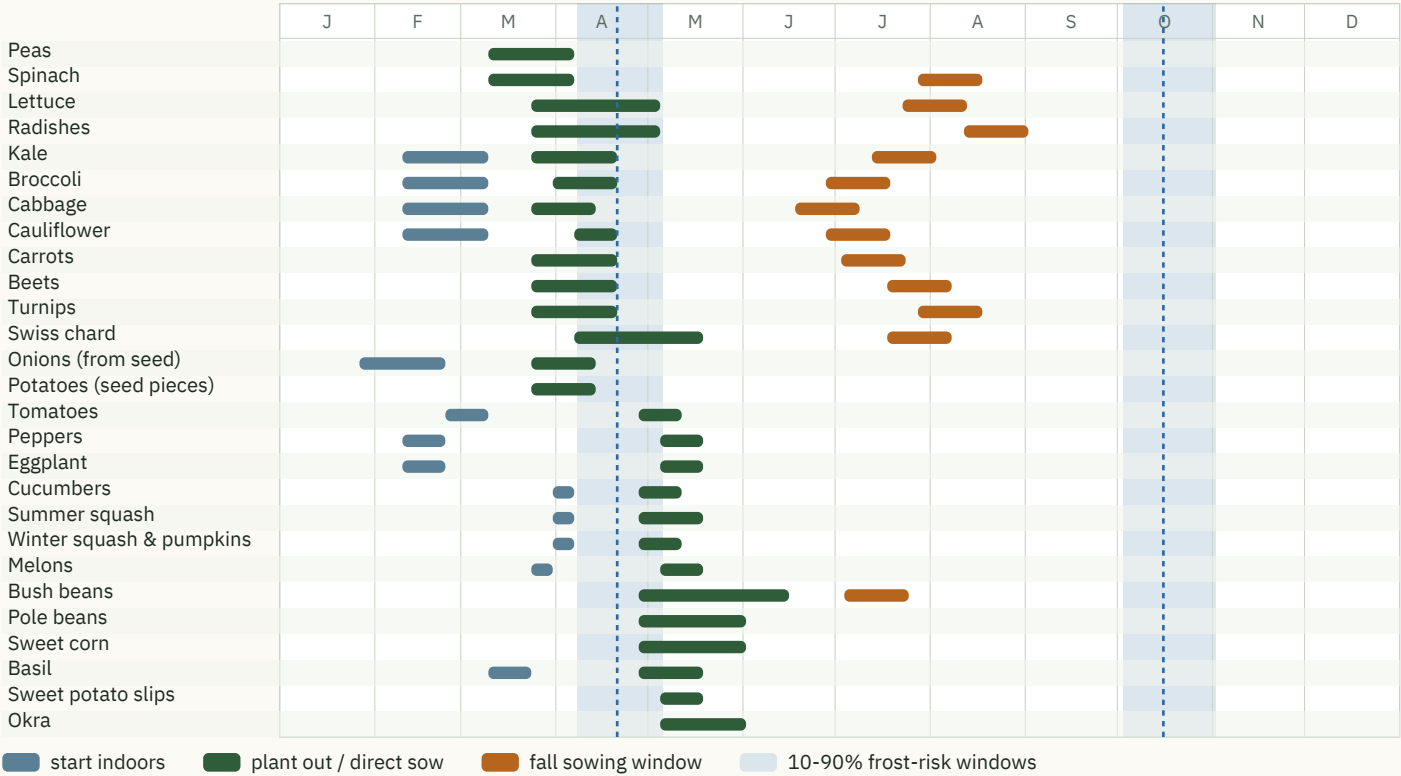
Crop	Type	Start indoors	Plant out / sow	Method	Fall: days to maturity
Peas	Cool	-	-6 to -2 wk	Direct sow	-
Spinach	Cool	-	-6 to -2 wk	Direct sow	45 d
Lettuce	Cool	-	-4 to +2 wk	Direct sow	50 d
Radishes	Cool	-	-4 to +2 wk	Direct sow	30 d
Kale	Cool	-10 to -6 wk	-4 to +0 wk	Transplant	60 d
Broccoli	Cool	-10 to -6 wk	-3 to +0 wk	Transplant	75 d
Cabbage	Cool	-10 to -6 wk	-4 to -1 wk	Transplant	85 d
Cauliflower	Cool	-10 to -6 wk	-2 to +0 wk	Transplant	75 d
Carrots	Cool	-	-4 to +0 wk	Direct sow	70 d
Beets	Cool	-	-4 to +0 wk	Direct sow	55 d
Turnips	Cool	-	-4 to +0 wk	Direct sow	45 d
Swiss chard	Cool	-	-2 to +4 wk	Direct sow	55 d
Onions (from seed)	Cool	-12 to -8 wk	-4 to -1 wk	Transplant	-
Potatoes (seed pieces)	Cool	-	-4 to -1 wk	Plant out	-
Tomatoes	Warm	-8 to -6 wk	+1 to +3 wk	Transplant	-
Peppers	Warm	-10 to -8 wk	+2 to +4 wk	Transplant	-
Eggplant	Warm	-10 to -8 wk	+2 to +4 wk	Transplant	-
Cucumbers	Warm	-3 to -2 wk	+1 to +3 wk	Direct sow or transplant	-
Summer squash	Warm	-3 to -2 wk	+1 to +4 wk	Direct sow or transplant	-
Winter squash & pumpkins	Warm	-3 to -2 wk	+1 to +3 wk	Direct sow or transplant	-
Melons	Warm	-4 to -3 wk	+2 to +4 wk	Transplant	-
Bush beans	Warm	-	+1 to +8 wk	Direct sow	69 d
Pole beans	Warm	-	+1 to +6 wk	Direct sow	-
Sweet corn	Warm	-	+1 to +6 wk	Direct sow	-
Basil	Warm	-6 to -4 wk	+1 to +4 wk	Transplant	-
Sweet potato slips	Warm	-	+2 to +4 wk	Plant out	-
Okra	Warm	-	+2 to +6 wk	Direct sow	-

Start-indoors weeks are before the spring date; plant-out weeks are relative to it (+1 = one week after). Fall sowings: take the fall date, subtract the crop's days to maturity (from your seed packet; the table shows a typical figure) and a 2-week buffer; sow within roughly the 3 weeks before that date. These are illustrative planning defaults based on ranges widely published by university extension services, not advice for a specific crop or site.

Example planting calendars (typical station per state)

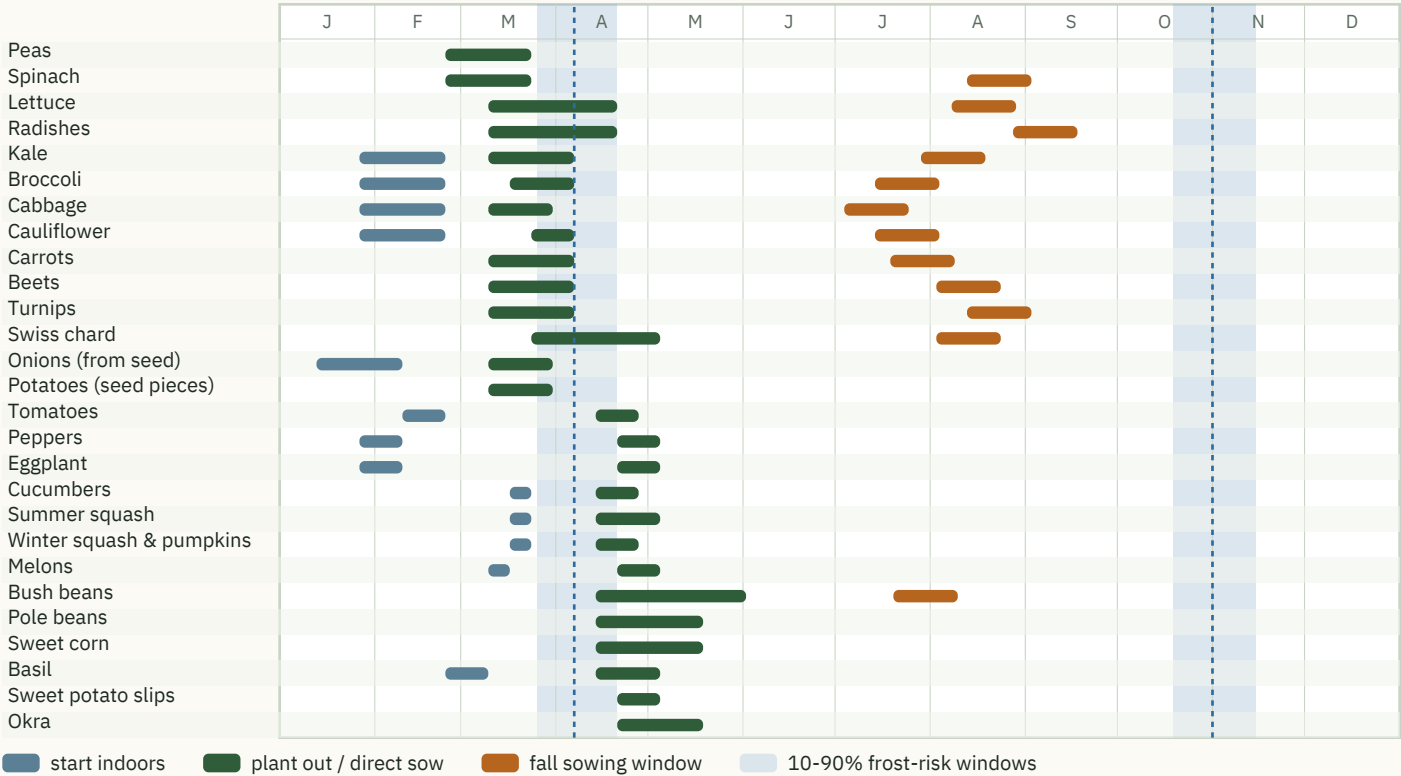
Connecticut: Hartford Bradley Intl Airport

Station USW00014740 | elevation 190 ft | completeness S
Last spring freeze (32F): median Apr 21, range Apr 8 to May 6 | First fall freeze: median Oct 16, range Oct 3 to Nov 2



Delaware: Wilmington New Castle Co Airport

Station USW00013781 | elevation 79 ft | completeness S
Last spring freeze (32F): median Apr 7, range Mar 26 to Apr 21 | First fall freeze: median Nov 1, range Oct 19 to Nov 15



Station tables (32F unless noted)

100 spread-out Standard-completeness stations; the CSV has all 718

Spr = last spring freeze, Fall = first fall freeze, at NOAA 10% / 50% / 90% levels. For spring, 10% is the LATE date (about 1 spring in 10 has a last freeze after it) and 90% the early date; for fall, 10% is the EARLY date and 90% the late date. Days = median freeze-free days (NOAA). 28F columns show medians for a hard freeze. 365* = the median year has no freeze-free break, i.e. freezes are rare there and the dates describe occasional freezes only. Fl = completeness flag (S standard, R representative).

Connecticut

Station	Elev ft	Fl	Spr 10%	Spr 50%	Spr 90%	Fall 10%	Fall 50%	Fall 90%	Days	28F spr	28F fall
Bridgeport Sikorsky Mem Airport	5	S	Apr 17	Apr 5	Mar 25	Oct 25	Nov 6	Nov 20	216	Mar 26	Nov 19
Hartford Bradley Intl Airport	190	S	May 6	Apr 21	Apr 8	Oct 3	Oct 16	Nov 2	177	Apr 7	Oct 29
Hartford Brainard Field	19	S	May 1	Apr 17	Apr 1	Oct 12	Oct 26	Nov 7	191	Apr 3	Nov 5
Norfolk 2 Sw	1340	S	May 17	May 3	Apr 21	Oct 1	Oct 11	Oct 28	161	Apr 20	Oct 25
Norwich Public Utility Plt	20	S	Apr 30	Apr 14	Apr 1	Oct 9	Oct 24	Nov 7	192	Apr 1	Nov 5
Willimantic Windham Airport	247	S	May 11	Apr 28	Apr 17	Oct 2	Oct 13	Oct 29	167	Apr 14	Oct 25

Delaware

Station	Elev ft	Fl	Spr 10%	Spr 50%	Spr 90%	Fall 10%	Fall 50%	Fall 90%	Days	28F spr	28F fall
Dover	30	S	Apr 17	Apr 4	Mar 22	Oct 23	Nov 4	Nov 18	214	Mar 25	Nov 16
Wilmington New Castle Co Airport	79	S	Apr 21	Apr 7	Mar 26	Oct 19	Nov 1	Nov 15	209	Mar 27	Nov 14
Wilmington Porter Rsch	270	S	Apr 24	Apr 7	Mar 26	Oct 21	Nov 4	Nov 19	209	Mar 29	Nov 15

Maine

Station	Elev ft	Fl	Spr 10%	Spr 50%	Spr 90%	Fall 10%	Fall 50%	Fall 90%	Days	28F spr	28F fall
Augusta State Airport	350	S	May 7	Apr 27	Apr 15	Oct 2	Oct 16	Oct 31	172	Apr 15	Oct 31
Bangor Intl Airport	148	S	May 17	May 4	Apr 24	Sep 23	Oct 4	Oct 21	152	Apr 23	Oct 17
Fryeburg E Slopes Airport	445	S	Jun 1	May 17	May 2	Sep 11	Sep 25	Oct 7	128	May 4	Oct 4
Houlton Intl Airport	476	S	Jun 10	May 27	May 9	Sep 5	Sep 18	Oct 2	115	May 10	Oct 1
Jackman	1214	S	Jun 7	May 26	May 10	Sep 8	Sep 23	Oct 5	119	May 11	Oct 3
Millinocket Muni Airport	406	S	May 24	May 8	Apr 27	Sep 19	Oct 1	Oct 14	143	Apr 28	Oct 13
Portland Intl Jetport	45	S	May 7	Apr 26	Apr 16	Oct 2	Oct 15	Oct 30	170	Apr 14	Oct 27
Rangeley	1530	S	Jun 3	May 23	May 10	Sep 14	Sep 27	Oct 9	127	May 10	Oct 7
Robbinston	115	S	May 18	May 5	Apr 24	Oct 1	Oct 13	Oct 30	160	Apr 21	Oct 28
Sanford 2 Nnw	289	S	May 29	May 16	May 2	Sep 18	Sep 30	Oct 10	136	May 2	Oct 7
Tenants Harbor	21	S	May 8	Apr 27	Apr 17	Oct 10	Oct 25	Nov 6	178	Apr 14	Nov 6
Van Buren 2	456	S	Jun 5	May 23	May 8	Sep 11	Sep 26	Oct 7	125	May 7	Oct 5

Sources, method and licence

Data source

Palecki, Michael; Durre, Imke; Applequist, Scott; Arguez, Anthony; Lawrimore, Jay (2021). U.S. Climate Normals 2020: U.S. Annual/Seasonal Climate Normals (1991-2020), version 1.0.1. NOAA National Centers for Environmental Information. Dataset. <https://doi.org/10.25921/4ek7-fk11>. Accessed 2026-10-28. Subset used: ann-tmin-prbfst, ann-tmin-prblst and ann-tmin-prbgsl (freeze-date and growing-season probabilities), by-station files.

Data licence

NOAA NCEI U.S. Climate Normals are a U.S. Government work in the public domain. Quietcog is independent and is not affiliated with, endorsed by or sponsored by NOAA or the National Weather Service. Quietcog processed the NOAA station files into the tables shown; any errors in processing are ours.

Method

Station tables come from NOAA's by-station annual/seasonal normals files (variables ANN-TMIN-PRBLST, ANN-TMIN-PRBFST and ANN-TMIN-PRBGSL). Stations with year-round freeze risk or too few freezes to compute dates are excluded. Cold-season dates in mild climates (spring dates in Oct-Dec, fall dates in Jan-May) are mapped to the adjacent year. Printed stations are Standard-completeness stations chosen to spread across each state (the CSV lists all 718 stations). Dates shown as month and day for planning year 2027; Feb 29 is shown as Feb 28.

Probability levels

NOAA's own field description reads '10% probability ... or earlier' for both seasons, but its published values only make sense with the ordering used here (spring dates get earlier from 10% to 90%; fall dates get later). We follow the values. See NOAA's documentation for the exact definitions.

Pack licence

Personal use for your own household, garden or one classroom. Please do not resell, share or redistribute the files. Your own garden plans made with this pack are yours.

About this product

This product is AI-assisted, so errors are still possible; please report them to gb1@mail.grokbots.com. Original work by Quietcog; IBM Plex fonts (SIL Open Font License).

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Frost-date worksheet

NOAA 1991-2020 normals: copy your station's dates here

Spring: the 10% date is the LATE date (about 1 spring in 10 has a last freeze after it); 90% is the early date. Fall: the 10% date is the EARLY date; 90% is the late date. 50% is the median. All are historical statistics, not forecasts.

Last spring freeze	10% (late)	50% (median)	90% (early)	My plan date

Rows: 36F, 32F, 28F, 24F (write the threshold in the first column).

First fall freeze	10% (early)	50% (median)	90% (late)	My plan date

Station / source / date I looked this up: _____

Planting offsets (generic weeks from your spring plan date; negative = before). Write your own dates in the right-hand column.

Crop	Indoors (wk)	Out (wk)	My indoor date	My outdoor date
Peas	-	-6 to -2		
Spinach	-	-6 to -2		
Lettuce	-	-4 to +2		
Radishes	-	-4 to +2		
Kale	-10 to -6	-4 to +0		
Broccoli	-10 to -6	-3 to +0		
Cabbage	-10 to -6	-4 to -1		
Cauliflower	-10 to -6	-2 to +0		
Carrots	-	-4 to +0		
Beets	-	-4 to +0		
Turnips	-	-4 to +0		
Swiss chard	-	-2 to +4		
Onions (from seed)	-12 to -8	-4 to -1		
Potatoes (seed pieces)	-	-4 to -1		

Remaining crops and fall-sowing math: see the Quietcog workbook or your Regional Calendar Pack. Source: NOAA NCEI, U.S. Climate Normals 1991-2020 (Annual/Seasonal), doi:10.25921/4ek7-fk11.

March 2027

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

March: plan and notes

Frost dates, sowing, planting and reminders

Typical low this month (my station): _____

Spring / fall freeze date: _____

Start indoors

Sow outdoors

Plant out / transplant

Harvest

Garden jobs

Notes and ideas

Week 1

Dec 28 to Jan 3, 2027

This week's focus:

Day	Low F	Rain	What I did, saw, or noticed
Mon Dec 28			
Tue Dec 29			
Wed Dec 30			
Thu Dec 31			
Fri Jan 1			
Sat Jan 2			
Sun Jan 3			

Sown / planted

Harvested

Observations and ideas (weather events, pests and problems seen, what worked)