

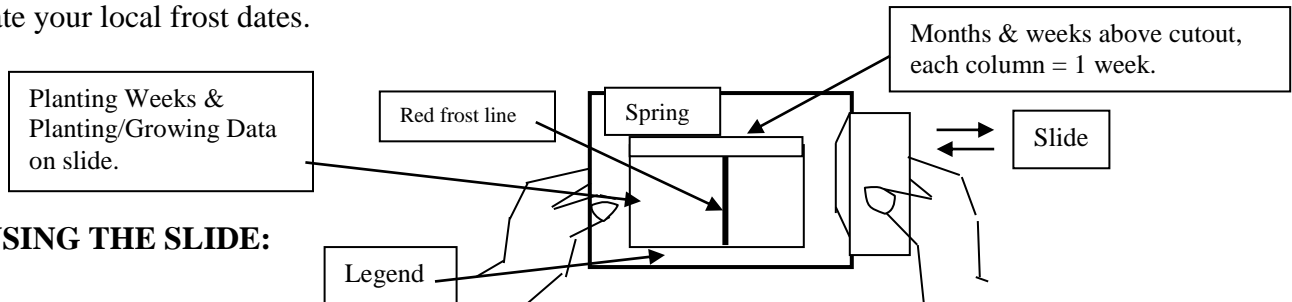
**FROST DATES
ON BACK !!!**

INSTRUCTIONS

See VIDEO DEMO at:
clydesvegetableplantingchart.com

TIME PHASE YOUR GARDENING EFFORTS!!! This Garden Planner is a handy, easy-to-use, planning tool for the home and hobby gardener. The chart shows proper **indoor** and **outdoor** planting times relative to average **spring** and **fall** killing frost dates for (22) common garden vegetables, and **provides basic planting data**. The **RED** frost line adjusts, making Clyde's planner useful in most parts of the country, where frost is a critical gardening factor. The "**Time Phased**" format allows the gardener to visualize the sequence of events for planting and harvest activities. The Seeding and Growing information provided on the slide also makes the chart a great shopping aid, and useful planting guide at the garden site.

A. FIND THE AVERAGE FROST DATES FOR YOUR AREA: The table on the back of this page provides frost dates in many cities throughout the continental United States and Canada, and can be used to estimate your local frost dates.



B. USING THE SLIDE:

1. **Spring Planting:** Hold chart as shown in sketch above. Upper left corner should say **SPRING**.
2. Position the **red frost line** to align with the week of your local average last spring killing frost date, (from back of this page). Weeks are printed horizontally just above chart window, **each column equals (1) week**.
3. The **First outdoor planting week** for each vegetable is designated (**FP**) on the slide. Read date above cutout. This is the earliest opportunity to plant each type of vegetable outside with minimum risk of frost damage. Plant each vegetable in, or after, the designated week.
4. **Indoor seeding weeks**, (**si**), are also marked on both sides of the slide, for starting seeds indoors.
5. Projected harvest dates are designated by the **green check marks** for each vegetable.
6. **Seeding & Growing Info on the Slide:** Pull slide full right to read planting data for each vegetable in red lettering:

- Seed or plants required for a 10 foot row, (in ounces). Wide rows encouraged.
- Planting depth, (in inches).
- Distance between rows, (in inches).
- Distance between plants after thinning, (in inches).
(**H** = Plant seeds in 2 foot diameter hills, 6 inches high.)
(**RR** = Plant seeds in raised rows 12 inches wide and 6 inches high.)
- Daily Sunlight Requirements, (Full, Partial, Very Little).
- Minimum Outdoor Soil Temperature for Seed Germination (Fahrenheit)
- Approximate Produce Yield per 10 ft. row, (in lbs.).
- Natural Companions, for Companion Planting, (See blue text on right end of slide).

Notes: Raised hills and raised rows increase seed germination rates; the soil warms and drains better. North/South rows get best sunlight due to the arc of the sun.

Read legend at the lower left of chart for further assistance.

7. Notice that those items which are commonly planted outdoors from green house starts are marked with an (*) asterisk. All other dates are for planting seeds or onion sets.
8. **Fall Planting:** Flip chart over to show **FALL** in upper left corner. Position **red frost line** to the week of your local average first fall killing frost from back of this page.
9. The last outdoor planting week, (**LP**), for each vegetable is found above the cutout to plan your fall garden. This is the last opportunity to plant with a reasonable likelihood of a good crop before fall frost arrives. Plant in, or prior to, the designated week, **each column equals (1) week**. Again, indoor seeding dates, (**si**), are provided for the gardener who wants to start seedlings indoors.
10. As on the spring side, **green check marks** designate the expected harvest weeks, and planting data are provided on the left portion of the slide in red lettering.

Note: **Protect from Heat** = (Plants will need ample water, and possibly shade during the summer heat.).

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We trust in the Finished Work of Christ.

8-28-23: Clyde

SELECTED NATIONAL AVERAGE FROST DATES BY STATE AND CITY

General data only - see your local state university extension office for exact frost dates in your area.

CANADIAN DATES

ST	CITY	AVG.	AVG.	ST	CITY	AVG.	AVG.	ST	CITY	AVG.	AVG.	ST	CITY	AVG.	AVG.
		LAST	FIRST			LAST	FIRST			LAST	FIRST			LAST	FIRST
		SPRING	FALL			SPRING	FALL			SPRING	FALL			SPRING	FALL
AK	Anchorage	8-May	21-Sep	LA	Monroe	10-Mar	5-Nov	OH	Akron	5-May	20-Oct	AB	Athabasca	1-Jun	29-Aug
	Fairbanks	25-May	1-Sep		New Orleans	20-Feb	5-Dec		Cincinnati	15-Apr	30-Oct		Calgary	23-May	15-Sep
	Juneau	8-May	4-Oct		Shreveport	20-Mar	20-Nov		Cleveland	30-Apr	30-Oct		Edmonton	7-May	23-Sep
	Ketchikan	21-Apr	29-Oct	MA	Amherst	10-May	30-Sep		Columbus	30-Apr	10-Oct		Grande Prairie	18-May	13-Sep
	Kodiak	18-May	27-Sep		Boston	20-Apr	20-Oct		Toledo	30-Apr	20-Oct		Lethbridge	17-May	18-Sep
	Nome	11-Jun	1-Sep	MA	New Bedford	20-Apr	30-Oct		Steubenville	10-May	10-Oct		Medicine Hat	16-May	22-Sep
AL	Birmingham	30-Mar	10-Nov		Pittsfield	10-May	20-Sep	OK	Boise City	30-Apr	15-Oct		Peace River	26-May	3-Sep
	Huntsville	30-Mar	30-Oct		Springfield	10-May	20-Sep		Lawton	1-Apr	5-Nov		Red Deer	25-May	9-Sep
	Mobile	28-Feb	25-Nov		Worcester	30-Apr	15-Oct		Oklahoma City	20-Apr	30-Oct		Abbotsford	24-Apr	18-Oct
	Montgomery	20-Mar	10-Nov	MD	Baltimore	20-Apr	20-Oct		Tulsa	1-Apr	5-Nov		Chilliwack	6-Apr	9-Nov
AR	Fayetteville	20-Apr	20-Oct		Cumberland	30-Apr	10-Oct	OR	Ashland	15-May	10-Oct	BC	Dawson Creek	5-Jun	29-Aug
	Fort Smith	30-Mar	30-Oct	ME	Bangor	10-May	10-Oct		Eugene	30-Apr	5-Nov		Kamloops	1-Jun	5-Oct
	Jonesboro	2-May	3-Nov		Bar Harbor	5-May	20-Sep		Pendleton	15-Apr	20-Oct		Kelowna	19-May	20-Sep
	Little Rock	30-Mar	10-Nov		Portland	10-May	30-Sep		Portland	5-Apr	5-Nov		Nanaimo	28-Apr	17-Oct
	Pine Bluff	20-Mar	10-Nov	MI	Ann Arbor	30-Apr	20-Oct		Salem	5-May	20-Oct		Nelson	4-May	13-Oct
AZ	Flagstaff	15-Jun	20-Sep		Detroit	30-Apr	20-Oct	PA	Allentown	30-Apr	20-Oct		Port Alberni	8-May	15-Oct
	Phoenix	20-Feb	15-Dec		Grand Rapids	10-May	10-Oct		Carlisle	20-Apr	20-Oct		Prince George	4-Jun	3-Sep
	Tucson	28-Feb	30-Nov		Grayling	5-Jun	10-Sep		Erie	30-Apr	20-Oct		Prince Rupert	9-May	13-Oct
CA	Eureka	30-Jan	15-Dec		Lansing	15-May	30-Sep		Indiana	15-May	5-Oct		Vancouver	28-Mar	5-Nov
	Fresno	30-Mar	30-Oct		Marquette	10-May	20-Oct		Philadelphia	20-Apr	20-Oct		Victoria	19-Apr	5-Nov
	Palo Alto	20-Feb	5-Dec		Saginaw	10-May	25-Sep		Pittsburgh	25-Apr	25-Oct	MB	Brandon	27-May	10-Sep
	Sacramento	15-Feb	1-Dec	MN	Duluth	20-May	20-Sep		Scranton	20-Apr	30-Sep		Lynn Lake	8-Jun	6-Sep
CO	Colorado Spr.	8-May	1-Oct		Minneapolis	15-May	30-Sep		Williamsport	30-Apr	15-Oct		The Pas	27-May	17-Sep
	Denver	5-May	10-Oct		Moose Lake	30-May	15-Sep		York	30-Apr	15-Oct		Thompson	15-Jun	16-Aug
	Durango	5-Jun	20-Sep		Willmar	5-May	5-Oct	RI	Kingston	10-May	30-Sep		Winnipeg	25-May	22-Sep
	Pueblo	29-Apr	8-Oct	MO	Columbia	20-Apr	20-Oct		Providence	15-Apr	30-Oct	NB	Bathurst	19-May	26-Sep
	Telluride	30-Jun	30-Aug		Hannibal	15-Apr	20-Oct	SC	Charleston	10-Mar	20-Nov		Edmundston	28-May	18-Sep
CT	Bridgeport	20-Apr	20-Oct		Jefferson City	25-Apr	15-Oct		Columbia	5-Apr	5-Nov		Fredericton	20-May	22-Sep
	Hartford	25-Apr	10-Oct		Kansas City	15-Apr	20-Oct		Greenville	30-Mar	30-Oct		Moncton	24-May	27-Sep
	Norwalk	25-Apr	15-Oct		Kirksville	19-Apr	11-Oct	SD	Hot Springs	20-May	20-Sep		Saint John	18-May	4-Oct
DC	Washington DC	10-Apr	30-Oct		Springfield	15-Apr	25-Oct		Rapid City	5-May	30-Sep	NF	Corner Brook	22-May	12-Oct
DE	Wilmington	15-Apr	30-Oct		St Joseph	20-Apr	20-Oct		Sioux Falls	10-May	25-Sep		Gander	3-Jun	5-Oct
FL	Ocala	20-Feb	10-Dec		St. Louis	15-Apr	20-Oct	TN	Chattanooga	25-Mar	30-Oct		Grand Falls	2-Jun	26-Sep
	Tallahassee	10-Mar	15-Nov	MS	Columbus	30-Mar	30-Oct		Knoxville	10-Apr	20-Oct		St. John's	2-Jun	12-Oct
	Tampa	30-Jan	5-Jan		Jackson	20-Mar	10-Nov		Memphis	25-Mar	5-Nov	NS	Halifax	6-May	20-Oct
GA	Albany	10-Mar	15-Nov		Natchez	10-Mar	15-Nov		Nashville	5-Apr	30-Oct		Kentville	16-May	5-Oct
	Athens	30-Mar	10-Nov		Vicksburg	15-Mar	15-Nov	TX	Amarillo	15-Apr	30-Oct		Sydney	24-May	13-Oct
	Atlanta	30-Mar	5-Nov	MT	Billings	20-May	20-Sep		Austin	17-Feb	6-Dec		Truro	30-May	21-Sep
	Columbus	20-Mar	10-Nov		Bozeman	30-May	15-Sep		Dallas	20-Mar	15-Nov		Yarmouth	1-May	18-Oct
	Savannah	10-Mar	15-Nov		Butte	30-May	30-Aug		Denton	25-Mar	10-Nov	NT	Aklavik	13-Jun	31-Aug
IA	Atlantic	10-May	30-Sep		Fort Peck	5-May	30-Sep		El Paso	30-Mar	5-Nov		Fort Simpson	3-Jun	24-Aug
	Cedar Rapids	30-Apr	10-Oct		Great Falls	20-May	20-Sep		Houston	18-Mar	17-Nov		Yellowknife	27-May	15-Sep
	Council Bluffs	30-Apr	15-Oct		Helena	20-May	20-Sep		Lubbock	15-Apr	30-Oct	ON	Barrie	26-May	16-Sep
	Davenport	25-Apr	15-Oct	NC	Asheville	30-Apr	10-Oct		Temple	24-Mar	2-Nov		Hamilton	29-Apr	15-Oct
	Des Moines	5-May	5-Oct		Fayetteville	1-Apr	1-Nov		San Antonio	5-Mar	25-Nov		Kapuskasing	12-Jun	8-Sep
ID	Boise	10-May	10-Oct		Raleigh	10-Apr	10-Nov	UT	Cedar City	20-May	5-Oct		Kingston	2-May	10-Oct
	Pocatello	30-May	30-Aug	ND	Bismarck	15-May	20-Sep		Logan	5-May	10-Oct		Kitchener	11-May	29-Sep
IL	Champaign	5-May	25-Oct		Fargo	20-May	20-Sep		Salt Lake City	30-May	30-Sep		London	9-May	8-Oct
	Chicago	20-Apr	25-Oct	NE	Blair	30-Apr	10-Oct		Spanish Fork	10-May	10-Oct		Ottawa	6-May	5-Oct
	Marion	10-Apr	20-Oct		North Platte	10-May	25-Sep	VA	Hampton	20-Mar	10-Nov		Owen Sound	12-May	15-Oct
	Moline	25-Apr	15-Oct		Omaha	30-Apr	15-Oct		Norfolk	25-Mar	20-Nov		Peterborough	18-May	20-Sep
	Peoria	30-Apr	10-Oct	NH	Berlin	10-Jun	10-Sep		Richmond	10-Apr	25-Oct		Sudbury	17-May	25-Sep
	Springfield	15-Apr	20-Oct		Concord	25-May	20-Sep	VT	Burlington	10-May	30-Sep		Thunder Bay	1-Jun	15-Sep
IN	Evansville	30-Mar	25-Oct	NJ	Atlantic City	10-Apr	30-Oct		Woodstock	30-May	20-Sep		Timmins	8-Jun	6-Sep
	Fort Wayne	5-May	10-Oct		Newark	5-Apr	10-Nov	WA	Seattle	25-Mar	10-Nov		Toronto	9-May	6-Oct
	Gary	20-Apr	20-Oct		Somerville	1-May	10-Oct		Spokane	5-May	5-Oct		Windsor	25-Apr	22-Oct
	Indianapolis	20-Apr	20-Oct		Trenton	30-Apr	20-Oct		Tacoma	30-Mar	30-Oct	PE	Charlottetown	17-May	14-Oct
	Lafayette	30-Apr	15-Oct	NM	Albuquerque	16-Apr	28-Oct	WI	Superior	20-May	30-Sep		Summerside	9-May	19-Oct
	South Bend	1-May	20-Oct		Carlsbad	30-Mar	5-Nov		Green Bay	10-May	30-Sep		Tignish	23-May	9-Oct
	Terre Haute	20-Apr	20-Oct		Los Alamos	11-May	8-Oct		Janesville	30-Apr	10-Oct	QC	Baie Comeau	28-May	15-Sep
KS	Manhattan	25-Apr	20-Oct	NV	Las Vegas	5-Mar	20-Nov		Madison	2-May	6-Oct		Chicoutimi	17-May	30-Sep
	Topeka	20-Apr	15-Oct		Reno	1-Jun	16-Sep		Milwaukee	30-Apr	20-Oct		Montreal	3-May	7-Oct
	Wichita	10-Apr	25-Oct	NY	Albany	5-May	30-Sep		Wausau	20-May	20-Sep		Quebec	13-May	29-Sep
KY	Ashland	20-Apr	20-Oct		Binghamtown	5-May	25-Sep	WV	Charleston	30-Apr	15-Oct		Rimouski	13-May	30-Sep
	Bowling Green	10-Apr	20-Oct		Buffalo	30-Apr	30-Oct		Parkersburg	25-Apr	20-Oct		Sherbrooke	1-Jun	10-Sep
	Lexington	15-Apr	25-Oct		Ithaca	15-May	30-Sep		Wheeling	15-May	5-Oct		Tadoussac	13-May	2-Oct
	Louisville	20-Apr	20-Oct		Rochester	30-Apr	20-Oct	WY	Casper	25-May	20-Sep		Theftord Mines	28-May	14-Sep
	Owensboro	30-Mar	30-Oct		Syracuse	30-Apr	15-Oct		Cheyenne	20-May	20-Sep		Trois-Rivieres	19-May	23-Sep
					Troy	10-May	10-Oct		Cody	20-May	20-Sep	SK	Moose Jaw	20-May	18-Sep
									Laramie	10-Jun	10-Sep		Battleford	19-May	17-Sep

- Frost dates vary within each region depending on the local terrain, and presence of a water body.

- Frost dates prior to Feb. 8th, and later than Dec. 13th, are outside the range of this 11-29-20/CM

- Special frost precautions required in regions with less than 100 days between average first and last frost dates.

	Prince Albert	2-Jun	4-Sep
	Regina	21-May	10-Sep
	Saskatoon	21-May	15-Sep
	Weyburn	22-May	12-Sep
	Yorkton	23-May	11-Sep
YT	Dawson	13-Jun	17-Aug
	Watson Lake	2-Jun	4-Sep