

Ask an Expert: Timing Can Be Tricky for Spring Planting

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Frost Covered Flowers

Determining when to plant a garden can be especially confusing in Utah's unpredictable, varied climate where last-frost dates can vary by many days within just a few miles. Many experienced gardeners have planted and later lost their plants to frost.

An example of how fickle Utah's climate can be is in Cache Valley. Frost-free days vary from an average of 113 days in Lewiston and Trenton to 158 days on the USU campus. Similar examples are common around the state.

Geographic characteristics of where you live can help in determining when to plant. When a yard is located in a populated area or on a mountain bench, it usually has a longer growing season. Other areas located at slightly lower elevations where cold air drains and cannot escape have a shorter season. This is why local commercial orchards are generally located on benches. Additionally, urban and suburban areas are slightly warmer than surrounding areas due to the urban heat effect. Heat from buildings and warmth generated by sunlight reflected from roads and other surfaces increases temperatures and delays frost. It can be helpful to chat with a local farmer or experienced gardener in your area to determine what works for him or her regarding when to plant.

In addition to frost information, it is important to take into account the needs of the plants. Vegetables planted locally fall into four basic categories: hardy, semi-hardy, tender

and very tender. Depending on which category a plant belongs to, planting dates vary from early spring until early summer. Consider the following:

- Hardy vegetables, including asparagus, broccoli, cabbage, onions, peas and spinach, can be planted as soon as the soil is workable in early spring. This usually ranges between 45 and 60 days before the average last frost. These same vegetables can be safely planted until the average last frost date.
- Semi-hardy plants, such as beets, carrots, lettuce and potatoes, can be planted one to two weeks after the hardy group. These can be planted until the average last-frost date.
- Tender vegetables, such as celery, cucumbers, corn and most beans, should be planted on the average last-frost date.
- Very tender plants, such as squash, beans, melons, tomatoes, eggplants and peppers, should not be planted until at least a week after the average last frost. Even if frost does not occur before this time, these plants will not grow well and are more susceptible to disease until warmer weather.

If you have lost plants to frost, you are not alone, and all you can do is try again.

Average Frost Dates for Various Utah Locations. Note that these dates are averages and can vary from year to year.

Frost Dates

City	Last	First	Frost-Free Days
Alpine	May 20	September 30	136
Blanding	May 13	October 12	153
Cedar City	May 10	October 5	148
Delta	May 17	September 28	134
Farmington	May 5	October 10	158
Fillmore	May 16	October 4	140
Huntsville	June 11	September 9	89
Kanab	May 7	October 20	166

City	Last	First	Frost-Free Days
Lake Town	June 15	September 10	87
Logan	May 14	September 25	135
Morgan	June 6	September 11	98
Moroni	June 1	September 18	109
Ogden	May 1	October 24	176
Park City	June 9	September 1	92
Price	May 12	October 7	148
Roosevelt	May 18	September 25	130
Spanish Fork	May 1	October 13	165
St. George	April 6	October 28	205
Tooele	May 7	October 14	159
Tremonton	May 3	October 10	160

For information on areas not listed, contact your local county Extension office.

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