Time to Fertilize Your Lawn

Did you know the best time to fertilize your lawn is now? It’s true! The key to a healthy turf is a thick root system, and now is when your turf focuses its energy on growing roots.

Let’s compare fertilizing lawns in April versus now. After we fertilize our lawns in April we feel rewarded when the grass greens up. But this boost of new grass blades comes at the expense of a deeper root system. You have to mow your lawn more often, and your turf may become more vulnerable to drought stress in summer.

In contrast, fertilizing in fall will:
- Repair any damage that occurred to the lawn over summer.
- Lead to a thicker turf and a stronger root system this fall.
- Help the turf to tolerate stresses such as drought, diseases and winter.
- Lead to a quicker green-up next spring.

What are you waiting for? Let’s get busy!

What type of fertilizer is best?
A fertilizer bag has three numbers, indicating the percentages of nitrogen, phosphate and potash. Nitrogen is the most important nutrient. Look for a fertilizer with at least 25% nitrogen. Select a fertilizer that contains some slow-release nitrogen (sulfur-coated urea, urea formaldehyde and IBDU). This will gradually feed the lawn this fall and next spring.

The second number, phosphate, is abundant in our soils and is rarely needed in established lawns. The third number, potash, will help our lawn to tolerate stresses, including our winters. Most winterizer fertilizers contain 5–10% potash.

Should I use a weed-and-feed fertilizer?
These fertilizers are okay at feeding lawns and okay at killing weeds, but not great at either. Here’s why:

Bad timing. The best times to feed a lawn (late May and early September) are not the best times to control weeds, namely crabgrass (late April) and broadleaf weeds (mid to late September).

Bad for the environment. Landscapes (including trees) grow better when herbicides are sprayed only where needed on lawns. Using weed-and-feed fertilizers puts toxic chemicals everywhere, even in areas with no weeds.

Bad control. Herbicides must be absorbed by weed leaves to work. Some small-leafed weeds such as black medic and clover cannot hold onto the granules and absorb the herbicide.

As an alternative, spot sprays of liquid herbicide applied directly onto weedy areas can be applied to kill weeds at the most effective time and in a more effective manner.
Plant Health Care

Trees and Shrubs

Wetwood
Bacteria feed inside elm, cottonwood, willow and other trees. The slime damages bark and may attract insects. Wood is slightly weakened and growth is slowed. No treatment will cure it. Reduce other stresses and the tree may adapt to it.

Fruits

Leaf Scorch
Notice the brown edges. Newly planted trees are especially sensitive. Irrigate deeply when needed. Rock mulches generate heat and should be avoided; shredded bark or wood chips are better.

Aphids
Pry open the curled leaves to reveal the pests. Aphid excrement is sticky and glistens; it may attract ants. Aphids cause little damage. Leave them alone or spray them with a jet stream of water. Acephate may be justified for young trees.

Harvesting Rhubarb in Fall
Harvest usually stops around July 4, but a few stalks from vigorous plants can be harvested now. These stalks may be a little tough. Don’t harvest stalks if they have suffered frost damage.

Yellow Chokecherries
Not all chokecherries are purple. Wild and cultivated varieties of yellow chokecherries can be found. The golden fruits are edible and can be used just like the purple types.

Chlorosis on Silver Maple
Leaves yellow, often with green veins. Related to high pH and unavailability of iron. Foliar sprays, trunk implants and injections, and soil applications of iron chelates are used. Get soil tested to assess pH and long-term strategy.

Fall Webworm
Caterpillars eat leaves but cause minimal damage overall. The leaves were going to drop soon anyhow. Nests may be collected with a forked stick. Young larvae may be killed with Bacillus thuringiensis, carbaryl or a pyrethroid.

Pear Slugs (Sawflies)
Slimy larvae skeletonize leaves of rose, chokeberry, pear and cherry. A jet spray of water is usually adequate; or control with insecticidal soap, neem, spinosad, pyrethroids or carbaryl.
Plant Health Care

Vegetables

Blossom End Rot
Early fruits are especially susceptible to this rot, which is caused by a calcium deficiency. Keep the soil evenly moist to get the calcium in the soil solution. Mulching helps. Do not damage roots when cultivating.

Poor Fruit Set
These fruitless flowers are males. They don’t set fruit. Only female flowers of cucurbits have fruits attached. Female flowers may fail to set fruit if plants are under stress, not pollinated, or if the pollen died due to extreme heat.

Blicts on Cucurbit Vines
Avoid getting foliage wet. Prevent the spread of diseases by spraying with chlorothalonil (Daconil, Bravo), mancozeb or copper. In the future, space your plants widely and sow modern, disease-resistant cultivars.

Sowing Radish
This is the season to grow radish. The roots will mature when temps are cool, leading to crisper, milder flesh. Spring-sown radish often tastes pungent and globular roots may fail to form.

Harvesting Onions
Harvest when tops have fallen over and shrunken. Keep in the garden for a couple days to dry. Shake off loose dirt and cure bulbs in a warm (80°F), airy spot until necks are withered (2–4 weeks).

Black Nightshade
Solanum nigrum berries are toxic, especially when immature and green. Flowers are small, white and resemble pepper flowers. Its fruits turn black. Never eat mysterious fruits.

Scorch on Tomato
Tissues directly exposed to sun will turn white and may wrinkle. This most often occurs with fruits growing on spindly vines. Promote healthy vine growth through fertilization and irrigation.

Harvesting Basil
Flavorful oils peak in the morning after dew has dried. Harvest basil a few inches down the stem and above a new set of leaves. Extend the harvest by removing flower buds before they open.

Beneficial Insects
Ladybug larvae and pupae (top and bottom of photo) are often mistaken for pests. Only use insecticides if you know the identity of the insect and if its level of damage warrants treatment.
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**DAYLENGTH (Aug. 26, McClusky, ND)**

Sunrise: 6:52 AM  
Daylength: 13h 44m  
Sunset: 8:36 PM  
Change since Aug. 19: -23m

**LONG-TERM OUTLOOKS**

Aug. 31–Sep. 4: Temp.: Below Normal; Precip.: Above Normal  
Sep. 2–8: Temp.: Below Normal; Precip.: Above Normal

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**Weather Almanac for August 19–25, 2019**

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