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Video of the Week: [High Quality Grass Seed: Worth the Extra Expense](#)

TURFGRASS

Kentucky Bluegrass Variety Selection for Cool-Season Lawns



Though Kentucky bluegrass is not as heat and drought tolerant as tall fescue and the warm-season grasses, it is commonly used in northeastern Kansas, where there is sufficient annual rainfall. It is also grown under irrigation in northwestern Kansas where the higher elevation allows for cooler summer night temperatures.

The following cultivars have performed well compared to other bluegrasses in this region. Use this list as a guide. Omission does not necessarily mean that a cultivar will not

perform well. Recommended cultivars for high-quality lawns, where visual appearance is the prime concern, include Alexa II, Aura, Award, Bewitched, Barrister, Belissimo, Beyond, Diva, Everest, Everglade, Excursion, Ginney II, Granite, Impact, Midnight, NuChicago, NuGlade, NuDestiny, Rhapsody, Rhythm, Rugby, Skye, Solar Eclipse, STR 2485, Sudden Impact, Washington and Zifandel. Such lawns should receive 4 to 5 pounds nitrogen per 1,000 square feet per year and would typically be irrigated during dry periods to prevent drought stress.

Cultivars that do relatively well under a low-maintenance program with limited watering often differ from those that do well under higher inputs. Good choices for low maintenance include Baron, Baronie, Caliber, Canterbury, Dragon, Eagleton, Envicta, Kenblue, North Star, and South Dakota. Instead of the 4 to 5 pounds of nitrogen per 1,000 square feet per year, low-maintenance program would include 1 to 2 pounds of nitrogen per 1,000 square feet per year. Obviously, a low-input lawn will not be as attractive as a higher-input lawn, but you can expect the cultivars listed above to look fairly good in the spring and fall, while going dormant in the summer. (WU)

Recommended Tall Fescue Cultivars



Though several cool-season grasses are grown in Kansas, tall fescue is considered the best adapted and is recommended for home lawns. The cultivar K-31 is the old standby and has been used for years. However, there are a myriad of newer cultivars that have improved color, density and a finer leaf texture. Most of these newer varieties are very close to one another in quality.

Each year we the National Turfgrass Evaluation Trial rates tall fescue varieties for color, greenup, quality and texture. Quality ratings are taken once a month from March through October. K-31 consistently rates at the bottom. The recommended cultivars were 3rd Millennium, Biltmore, Braveheart, Cannavaro, Catelyst, Corona, Cochise IV, Escalade, Faith, Falcon NG, Finelawn Xpress, Firecracker, Gazelle II, Honkey Tonk, Hudson, Hunter, Padre, Pedigree, Raptor II, Reunion, Rhambler SRP, RK4, Sidewinder, Skyline, Speedway, SR 8650, Talladega, Titanium LS, Turbo and Wolfpack II. Keep in mind that mixes of several varieties may allow you to take advantage of differing strengths. It is not necessary for mixes to contain only the varieties mentioned above.

Though K-31 may still be a good choice for large, open areas, the new cultivars will give better performance for those who desire a high-quality turf. (WU)

Lawns in Shade



We are often asked, “What’s the best shade grass for Kansas?” The answer is simple but requires explanation.

Tall fescue is the best shade grass for Kansas. That does not mean that tall fescue is a super shade grass. True fine leaf fescues such as sheep’s fescue, hard fescue, and creeping red fescue are actually better adapted to shade than tall fescue, but they have difficulty surviving Kansas summers. It might be better to say that tall fescue is the best shade grass adapted to Kansas conditions. But large trees that produce deep shade will not allow

tall fescue to survive over the long term. I say “over the long term” because fall-planted cool-season grasses will often do well under shade trees through the fall and spring when there is less leaf cover and growing conditions are better (cooler and moister) than in the summer. We

often see people plant tall fescue in the shade each fall and then wonder what happens the following summer. The answer is stress from multiple fronts. Sunlight that passes through the leaves of trees has had most of the “good” light that drives photosynthesis stripped out. The grass struggles to make the food it needs for survival and growth. When this poor diet is combined with the additional stresses of drought and heat, tall fescue is unable to survive.

For those who insist on continuing to try to grow grass in shade, go with a much lighter seeding rate. Where we usually recommend 6 to 8 lbs of fescue seed per 1,000 sq ft, shady areas should be planted to 1/2 that rate, 3 to 4 lbs per 1,000 sq ft. The decreased light levels will not support a thick, plush lawn. Tall Fescue planted at this 1/2 rate will survive longer. Think about it, it is only logical that less light will not support more plants. The turf will be thinner, but it will be much healthier at the lighter seeding rate. But this will work only if the shade is not too deep.

So what should you do if you have too much shade for your turf? You have three choices. Reduce the shade by pruning up the lower branches of your trees so more early and late sun reaches the turf. This is not practical with many trees because it can destroy the desired shape. A second option is to plant a groundcover that is well adapted to shady sites such as periwinkle or English ivy. Another solution would be to mulch the area under the tree. (WU)

FRUIT

Pear Harvest



Pears should not be allowed to ripen on the tree. They should be picked while still firm and ripened after harvest. Tree-ripened fruits are of poor quality because of the development of grit cells and the browning and softening of the inner flesh. Commercial growers determine the best time to harvest pears by measuring the decrease in fruit firmness as the fruit matures. This varies with growing conditions and variety. A Magness meter is used for testing and measures the pressure needed to push a 5/16 inch tip a specified distance into an individual fruit. Home gardeners can use these other indicators:

1. A change in the fruit ground color from a dark green to light green or yellowish green. The ground color is the "background" color of the fruit.
2. Fruit should part easily from the branch when it is lifted up and twisted.
3. Corking over of lenticels. Lenticels are the "breathing pores" of the fruit. They start out as a white to greenish white color and turn brown due to corking as the fruit nears maturity.
4. Development of characteristic pear aroma and taste of sampled fruit.

Pears ripen in one to three weeks after harvest if held at 60 to 65 degrees F. They can then be canned or preserved. If you wish to store some for ripening later, fresh-picked fruit should be placed in cold storage at 29 to 31 degrees F and 90 percent humidity. Ripen small amounts as needed by moving them to a warmer location and holding them at 60 to 65 degrees F. Storing at too high a temperature (75 degrees F and higher) will result in the fruit breaking down without ripening. (WU)

When Are Apples Ready to Pick?



Though nearly mature apples can ripen off the tree, there must be a certain level of maturity for this to happen. Here are some guides to help you decide when to pick your apples.

Color change: As apples mature, the skin color in areas of the stem and the calyx basin at the bottom of the apple turns from an immature green to a light-yellow color. Some apples will develop a red skin color before they are ripe, so this is not a reliable indication of maturity.

Flavor: This is a good guide if you are familiar with the apples you have and know how they should taste. Even if you do not know the characteristic flavor of the kind of apple you have, you can still sample slices of a few apples and decide if they have a sweet flavor. If they are not ready to harvest, they will taste starchy or immature. If apples have already fallen and taste a bit starchy, store them for a period to see if they become sweeter.

Flesh color: As apples mature and starches change to sugars, the flesh changes from very light green to white. When you cut a thin slice and hold it up to the light you can see the difference.

Days from bloom: The number of days from bloom is a reliable guide for general maturity time, but weather conditions will have some influence. Some kinds of apples and approximate days from bloom to maturity are Jonathan, 135, Delicious, 145, Golden Delicious, 145, and Winesap, 155 days.

Seed color: The seeds of most apples change from light green to brown as the fruit ripens. This indicator should be combined with other changes since it is not absolute. The flavor of the apples, the change in color of the stem and calyx basins and flesh color are important in deciding if apples are ready to harvest. (WU)

VEGETABLES

Harvesting Winter Squash



Summer squash such as zucchini and scallop are harvested while immature but winter squash such as acorn, hubbard and butternut are harvested later, in the mature stage, after the rind is tough and seeds have developed. We normally think September is the time that winter squash are harvested. However the hot weather, drought and poor condition of the vines has led to early maturity of some fruit.

There are two main characteristics that help tell us when winter squash are mature: color and rind toughness.

Winter squash change color as they become mature. Butternut changes from light beige to deep tan. Acorn is a deep green color but has a ground spot that changes from yellow to orange when ripe. Gray or orange is the mature color for hubbard.

Hard, tough rinds is another characteristic of mature winter squash. This is easily checked by trying to puncture the rind with your thumbnail or fingernail. If it easily penetrates the skin, the squash is not yet mature and will lose water through the skin -- causing the fruit to dry and shrivel. Also, immature fruit will be of low quality. The stem should also be dry enough that excessive water doesn't drip from the stem.

Winter squash should be stored cool with elevated humidity. Ideal conditions would be 55 to 60 degrees F and 50 to 70 percent relative humidity. Under such conditions, acorn squash will usually last about 5 to 8 weeks, butternuts 2 to 3 months and hubbards 5 to 6 months. (WU)

MISCELLANEOUS

Wood Chips As Mulch



With many municipalities and tree service companies having wood chippers now, gardeners often are able to get chips free. We are sometimes asked our opinion about whether these make a good mulch.

Some people have heard that these chips will tie up nitrogen so that the garden plants won't grow as well. If wood chips are used as a mulch, there is no cause for concern. However, if the chips are mixed with the soil, there can be a problem during the breakdown process. The microorganisms that break down

the chips need a certain amount of nitrogen during the process. With most green material, there is enough nitrogen in the material itself to meet the needs of the microorganisms. However, nitrogen levels in wood chips are so low, the microorganisms must borrow it from the surrounding soil. This results in less nitrogen being available to the plants. However, when the raw organic material has been digested, the microorganisms die and release the nitrogen. Therefore, the nitrogen is not lost but is simply unavailable for plant use for a period of time. Again, this is only a concern if the wood chips are mixed into the soil. There is no problem with nitrogen tie-up if the chips are used as a mulch.

However, one point should be kept in mind. These chips can be used by foraging termites as a bridge to homes and other structures. Termites are light and heat sensitive and will not bother the chips themselves if they are 3 inches deep or less. Therefore, watch the depth of these chips near the house or other buildings. Also leave a bare area several inches wide next to the house so that any termite activity is noticeable. (WU)

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