

MASTER GARDENERS ACCEPTING NEW APPLICANTS

It's that time of year again, time to start thinking about dusting off the Master Gardener applications and spreading the word about the next class.

WHAT is a Master Gardener? Do I have to be a gardening expert to take the Master Gardener course? Why would I want to be a Master Gardener? What does a Master Gardener do? These and many other questions come to mind when Master Gardener training is mentioned. Let me try to clarify a few of these points.

A Master Gardener is a person who has a thirst for knowledge about home horticulture, you know, all that stuff growing around your house - the lawn, the shade trees, the shrubs, the garden, the fruit trees, and even your houseplants. It is a person who wants to know things like; which tomato does best in Kansas, what are the best shade trees to plant in a small yard, what kind of fertilizer is best for my fescue, when should I prune my lilac, and how do I get rid of moles that are tunneling throughout my yard. And things like; how many apple trees do I need for good fruit production, how about peaches and pears, will raspberries do any good here, what can I do to improve the soil in my garden/flower beds/yard, do I need to add lime to my soil, what can I do to control ticks, fleas, and chiggers in my yard. Let's not forget about bagworms. What about herbs, and did I mention crabgrass, or dandelions. How many hours of sunshine should you have on your water garden? How much sun does your vegetable garden need?

This is just a small sample of some of the questions that commonly come up in the everyday world of home horticulture. A Master Gardener is not a person who knows all the answers to these questions, but someone who wants to know these answers and wants to learn where to go to find out the answers to other questions just like these.

WHY would anyone want to become a Master Gardener? Well, first to gain the aforementioned knowledge, and second, to share this information with friends, neighbors, and other people in the community. Past classes of Master Gardeners have participated in such projects as the landscaping and planting of the courthouse grounds, conducting a tomato taste test at the Butler County Fair, volunteering to assist at the compost site, routing traffic and taking surveys during the Household Hazardous Waste Collection day, and provided assistance during the county fair with the horticulture judging contests and judging of the horticulture exhibits, downtown planting of the planter boxes and establishment and planting of the Extension Demonstration Garden. Most recently the Butler County Master Gardeners have installed a water garden at the demonstration garden, and are currently working on the landscaping of that new feature. There's also the Numana community garden that Butler County Master Gardeners are involved with.

HOW do I become a Master Gardener? By simply filling out an application form at the Extension office (we will even mail it to you) and being available to attend twelve training sessions between 9:00 AM and 4:00 PM on Thursdays from September 8th to December 8th. Thanksgiving is excluded of course, along with the week of October 27th.

IN EXCHANGE for over 40 hours of comprehensive training in home horticulture you will be asked to give back 40 hours of volunteer service to the horticulture programming efforts of the Butler County Extension office. There is a fee of \$110.00 to cover the cost of the program and educational materials, but what a small price to pay for what you receive. Sessions on landscaping, gardening, fruit and nut production, lawn care, insect and disease control, organic methods, soil management, annuals and perennials, nuisance animals, plant propagation, houseplants and more are all part of the program.

ANYONE that thinks they might be interested in taking the Master Gardener training should call 321-9660 or come down to the Extension office at the 206 N. Griffith(the fairgrounds) and pick-up an application.

Sweet Corn Earworm

Corn earworm tends to be a problem every year on sweet corn in Kansas. The earworm moth lays eggs on developing silks at night. When the egg hatches, the larva crawls down the silk and into the ear. Feeding starts at the tip of the ear and works down. Though several earworms may hatch and attack a single ear, only one is

usually present at harvest due to the cannibalistic nature of the insect. Control is challenging as silks continue to grow over a period of time. This means that even if silks are treated, new silk will appear that hasn't been protected. Applications every 2 to 3 days are needed for insecticides to be effective, especially in late June to early July when peak flight of these moths usually appear. There is a three-week period from silking to harvest, but there is only a two-week period from when the silks appear to when they begin to dry. Since moths prefer juicy silks and shun those that have started to dry, insecticides are only needed the first two weeks of silking. Homeowners can use cyfluthrin (Baythroid; Bayer Powerforce Multi-Insect Killer) or spinosad (SpinTor; Captain Jack's Dead Bug Brew; Conserve; Borer, Bagworm, Tent Caterpillar & Leafminer Spray). Spinosad is an organic product. Commercial growers have additional choices including zeta-cypermethrin (Mustang Max), bifenthrin+zeta-cypermethrin (Hero), spinetoram (Radiant) and flubendiamide (Belt). Though more time consuming, mineral or other light horticultural oils may also be used. The oil is placed inside the silk end of the ear with a medicine dropper ($\frac{1}{2}$ to $\frac{3}{4}$ of a dropper) after the silks brown. This will coat the earworms already present and likely suffocate them, though some damage to the tip of the ear will likely have occurred. Applying the oil before the silk has browned may interfere with pollination, leading to incompletely filled ears.

Bermudagrass Control

Bermudagrass can make a nice lawn if you don't mind its invasiveness and short growing season. But many people dislike both these characteristics. Warm-season grasses, such as bermudagrass, zoysiagrass and buffalograss, green up later than cool-season grasses such as tall fescue and Kentucky bluegrass. They also go dormant earlier in the fall, which can make a lawn unattractive. Bermuda that invades a cool-season lawn will be brown during much of the spring and fall while the tall fescue portion of the lawn is green. Bermuda is much more drought and heat resistant than cool-season grasses, so it will take over a cool-season lawn during the summer months if it is in full sun. So, how do you control bermudagrass that has invaded a cool-season lawn? Research conducted in 1996 showed that glyphosate (Round-up, Kleen-up, Killzall, Kleeraway) is the best herbicide for the job. Glyphosate is a nonselective herbicide and will kill everything— including tall fescue or Kentucky bluegrass. Therefore, you will need to reseed treated areas. The label recommendation for Bermudagrass control is a 3% solution of the maximum strength Glyphosate. To get this add 4 oz of 41% Glyphosate to one gallon of water. Glyphosate works best if bermuda is growing well. The better the bermudagrass is growing, the more chemical is taken up and pushed into the roots. Water and fertilize if needed to get it going and don't mow it for a while, maximum leaf surface is needed for best results. To minimize the amount of time that you have no turf cover in your yard it is best to spray in August. This will allow you time to prepare the ground after spraying and be ready to plant a cool-season grass in early September. Wait two weeks and scalp the lawn (mow as low as possible and remove clippings.) This will prevent dead grass from covering any bermuda that starts to recover. Wait another two weeks and spray again with glyphosate if there is any green. Wait one more week and reseed.