As summer approaches, the tender loving care that you've given to your vegetable garden will be put to a test.

This is because of the significant increase in pesky insects. Insects can cause serious problems for plants during the summer. Insects thrive on the summer heat and humidity. Without proper monitoring and control, they can destroy all your hard work.

Before too long, you should be repaid for your gardening efforts with scrumptious vegetables. That is, if you can beat the pests to your fresh produce. What a shame it is to go out to your garden for a fresh tomato to top off your salad and find out that a small insect, which you can hardly see, has eaten your crop.

There are several insects to watch out for this summer. They arrive in force to feed on the leaves, stems, roots and vegetables of your plants. The most common pests that attack your plants during the summer include leaf miners, army worms, spider mites and aphids.

Leaf miners seem to cause the most damage to tomato and cucumber plants. They are called leaf miners because they burrow between the two tissue layers of the leaf as they feed, leaving tunnel-like pathways through the leaf surface. Leaf miners are difficult to control because they are protected from chemicals by the leaf layers. The best defense against these critters is to monitor your plants and remove and dispose of damaged leaves.

Army worms will attack a variety of plants. They are "chewing" insects. This means that they consume the leaves of the plants, leaving holes, chewed margins or nothing of the leaves. Army worms eat during the daylight, so the best line of defense is to pluck them off one by one and dispose of them while they are eating. You can also use an insecticidal dust to rid yourself of this pest.

Spider mites are not really insects. In fact, as their name suggests, they are closely related to spiders. They have eight legs and form webs to travel from leaf to leaf. These pests are tiny, usually no more than a 50th of an inch long. They congregate on the underside of leaves, so you may have to look hard for them. Spider mites are "sucking" insects. This means that they feed by piercing the leaves with their needle-like mouth parts and suck out the plant juices. The leaves of the plants will become stippled, dry or fall off. Since spider mites are small, you may not notice them until they start to damage your plants. Spider mites can be controlled with an insecticidal soap solution. Just make sure to spray underneath the leaves where the insects live.

Aphids are also "sucking" insects that collect on the underside of the leaves. Damage from aphids will appear as yellow splotches on the surface of the leaves. The leaves will also curl. Aphids excrete a sticky substance called honeydew. Sooty mold, a black fungus, will grow on the leaves where the honeydew appears. Aphids can also be controlled with an insecticidal soap solution.

To reduce the damage caused by insects, monitor your garden on a regular basis. Examine plants and look for signs of damage. It is much easier to control the insects when they first arrive in your garden than it is when they have become established. It's sad but true that sometimes, no matter how much we work to make the insects feel unwelcome, they will still visit the garden and harm our harvest.

For answers to gardening questions, call the Osceola County Master Gardeners at (321) 697-3000. They are available Mondays to Fridays from 10 am to 2 pm.
Wildlife landscaping

A "Wild About Wildlife" seminar will be offered from 9 a.m. to noon Monday at the Kissimmee Agricultural Center. Learn how to attract wildlife through landscaping and how to discourage nuisance wildlife, such as squirrels, armadillos, accoons, moles, and deer. Basic landscape design classes will meet at 6 p.m. May 23, 30 and June 6 at the Central Library, in Kissimmee. These classes build on one another, so persons should plan to attend all of them.

Jennifer Welshans
Horticulture Agent
Osceola County Extension Service
1921 Kissimmee Valley Lane
Kissimmee, FL 34744
321-697-3000
jwel2@osceola.org
osceola.ifas.ufl.edu
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