CONSERVING LANDSCAPE WATER

You don’t have to be a meteorologist to know that it is dry out there. From the numerous wildfires to the crispy, brown lawns, we can only hope that rain comes to relieve us soon.

This on-going drought and water conservation are hot topics in the news today, but how do you actually save water? You can begin by conserving water in the home landscape. By following a few landscape management tips you will be able to save water and, consequently, money.

All plants need some water. It is required for seed germination and plant growth, yet knowing the proper procedures on how and when to water your landscape can significantly reduce your water usage. Many of us get into the practice of setting the timer on our sprinklers and letting them do the work, but does your plants need water every time the irrigation comes on? Irrigating plants only when they need water is the first step of water conservation in the landscape.

Many landscape plants will express their need for water by wilting, although some will show no early symptoms of drought stress. Instead, they will show injury symptoms, such as browning leaf margins or leaf drop, after extensive drought conditions. Lawns need water when they turn a dull bluish-gray color and the grass leaves will curl at the edges. When these symptoms begin to develop, it is time to water.

Plants prefer deep, thorough water applications, rather than frequent, light sprinklings. Frequent, light sprinklings waste water and do little to satisfy the water requirements of a plant growing in hot, dry soil. It also prohibits the plants from developing deep root systems, which are required for them to survive longer periods without water.

You may need to calibrate your sprinkler system in order to supply the landscape plants with \( \frac{3}{4} \) of an inch of water they need per application. Information on how to do this is available through the Osceola County Extension Service.

The best time of day to water is in the morning hours between 4am and 10am when wind and temperature levels are low. Irrigating during the hot afternoon will result in an increase of water loss from evaporation and irrigating in the late evening can cause an increase in foliar diseases of the plants. Also, be aware of local forecasts before watering. Try to use Mother Nature for irrigation as much as possible. Installing a rain gauge on your irrigation system will prevent your system from turning on during a rainstorm, hence saving you water and money. They are available from your local garden supply store and are quite inexpensive.

A few other landscape tips for conserving water, include:

- Increase mowing height of lawns to allow plants to develop deeper root systems.
- Control weeds. Weeds use water that would otherwise be available for desirable plants.
- Reduce fertilizer applications. Fertilizer promotes plant growth, increasing the need for water.
• Use 2-3 inches of mulch on landscape beds. Mulch reduces water evaporation from the soil.
• Adjust sprinklers to avoid spraying water on sidewalks or streets. Fix any sprinklers that are not working correctly.
• Don't waste water, caring for marginal or undesirable plants.
• Extend the number of days between water applications to the longest suitable interval.
• Use drought-resistant plants. Many Florida-native plants are drought tolerant and do well in the sandy soils; after all they "know the land".

By following just a few simple steps, you can do your part for water conservation. For more information on conserving water, contact the Osceola County Master Gardeners. They are available to take your plant questions on Mondays to Fridays from 10 am to 2 pm.

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