

THE GREENE LEAFLET

News for OSU Extension Greene County Master Gardener Volunteers

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PRESIDENT'S MESSAGE

**UPCOMING
MEETING/EVENT/TEAM
CALENDAR**

CONTINUING EDUCATION

CFAES

OHIO STATE UNIVERSITY EXTENSION

Greene County – Agriculture and Natural Resources

Continuing Education Events Available to Master Gardener Volunteers

COORDINATOR'S NOTES SECTION

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UPDATES IN ANR

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Do you know what Roundup product you are really using?

By: Trevor Corboy

Are you looking to apply an herbicide around your property? Did you know that not every Roundup is the same? Be sure to read the label and follow directions to ensure you're picking the correct product for your intended use. First, understand that Roundup is a trade name, not the specific product or active ingredient. Be sure to pay close attention to the active ingredient, not just the product name. Before we get into understanding the chemistry of the different Roundup products, it is important to define a few herbicide-specific terms:

-Non-selective: A herbicide that generally kills any plant on which it is applied; e.g., glyphosate.

-Selective: A herbicide that kills only specific plants and does not affect other plants; most often, these herbicides kill broadleaf weeds and annual grassy weeds like crabgrass, but are safe to apply to the lawn.

-Residual: A herbicide can have soil residual, which means it sticks around (or resides) in the soil for a time and continues to do its job; these residuals can range from one to 300 days long.

So, now, let's define some of the different Roundup products available to consumers and the general public. Note that for many of these products there may be ready to use (RTU) and/or concentrate formulations available with different ratios or percentages of the same active ingredients. Additional products are marketed for use in southern turfgrass.

The following list was pulled together by the OSU Extension, Pesticide Safety Education program. If you have questions about the products that you may have, don't hesitate to reach out to your local OSU Extension Greene County office.

Product Trade Name	Active ingredient(s)	Recommended Use
Landscape		
Roundup Weed and Grass Killer Super Concentrate	Glyphosate	"Classic" Roundup
Roundup Weed and Grass Killer Concentrate Plus	Glyphosate, Diquat dibromide	Diquat added for faster results
Roundup Weed and Grass Killer III	Glyphosate, Pelargonic acid and related fatty acids	Pelargonic acid added for faster results
Roundup Poison Ivy Plus Tough Brush Killer	Glyphosate, Triclopyr	Triclopyr added to improve control of vining weeds
Driveway/Hard Surface (should not be used in landscapes or over rootzones)		
Roundup Extended Control Weed and Grass Killer Plus Weed Preventor II	Glyphosate, Pelargonic acid, Imazapic	Pelargonic acid added for faster results. Imazapic added for residual control
Roundup Max Control 365	Glyphosate, Imazapic, Diquat dibromide	Diquat added for faster results. Larger amount of Imazapic added for extended residual control
Lawn Weeds		
Roundup Landscape Weed Preventor	Pendimethalin	Pendimethalin for preemergence control of grassy weeds and some annual broadleaf weeds
Roundup for Lawns Crabgrass Destroyer	Topramezone	Topramezone for postemergence control of grassy weeds
Roundup for Lawns ₁	MCPA, Quinclorac, Dicamba, Sulfentrazone	Selective postemergence control of broadleaf weeds, crabgrass and yellow nutsedge. Roundup for Lawns ₁ is the ready to use (RTU) that requires no mixing or hose to apply. It comes with an applicator, and you can buy refill jugs. Roundup for Lawns ₂ is the concentrate product that can be used with a tank sprayer or reusable hose-end sprayers like Dial 'N' Spray. Roundup for Lawns ₃ is the ready-to-spray (RTS) product that must be connected to a hose for application.
Lawn Insects		
Roundup Bug Destroyer	Chlorantraniliprole, Bifenthrin	Control of white grubs and other lawn insects



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Next Newsletter Deadline:

We welcome all suggestions, thoughts, calendar dates for this newsletter. Please e-mail your comments, articles, photos, and dates to: