

PURDUE UNIVERSITY WEED SPECIALIST ENCOURAGES GOOD STEWARDSHIP OF ROUNDUP READY® TECHNOLOGY



*Dr. Bill Johnson
Purdue University*

The Roundup Ready® Corn 2 System was planted on 50 million acres this season – making it the number one corn weed control program in U.S.

agriculture. Growers are encouraged to follow good stewardship practices to effectively manage this technology. Purdue University extension weed scientist Dr. Bill Johnson offers the following advice for growers who use a rotation of Roundup Ready Corn 2 and Roundup Ready Soybeans to achieve effective weed control and minimize the chance of weed resistance on their farms:

- Always add a residual herbicide into weed-control programs. If possible, use a residual in both Roundup Ready Corn 2 and Roundup Ready soybeans. Incorporating a Roundup Ready residual rate (approximately two-thirds of the average residual rate) can be very useful in Roundup Ready Corn 2.
- Know which weeds you have in your fields, and which ones are the most problematic to control. Understand weed-emergence patterns.
- Use full, labeled rates of glyphosate. Shaving rates will only serve to select out harder weeds that might lead to the development of a weed population that is tolerant or resistant to some herbicides.
- When using glyphosate, understand the product you're using. Does it include a surfactant or other additives? How much active ingredient is in the formulation?
- Understand the role that environmental conditions can have on herbicide performance. Hot, dry conditions, for example, can reduce herbicide effectiveness on some types of weeds, including lambsquarter and morningglory.
- It is sometimes better to spray herbicides early in the morning instead of late in the afternoon. Weeds tend to be more stressed, and therefore more difficult to control, later in the day, especially when it's hot and dry.
- Don't wait too late to make postemergence herbicide applications, especially in corn. In corn and soybeans, early-season weed control is critical to maintaining top yields.

Always read and follow pesticide label directions. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® agricultural herbicides. Roundup agricultural herbicides will kill crops that are not glyphosate tolerant. Monsanto imagine® and the Vine Design, Roundup® and Roundup Ready® are registered trademarks of Monsanto Technology LLC. ©2007 Monsanto Company. [31728-37 INAGR tip 9/7/07]

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