

# SOUTHERN ILLINOIS UNIVERSITY WEED SPECIALIST ENCOURAGES GOOD STEWARDSHIP OF ROUNDUP READY® CORN 2 AND ROUNDUP READY SOYBEANS



*Bryan Young  
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Roundup Ready® Corn 2 was planted on approximately 50 million acres this season. With this technology now representing over half of the total U.S. corn acres in 2007, growers should follow good stewardship practices to effectively manage this technology.

Southern Illinois University weed specialist Dr. Bryan Young 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:

- Plant into a weed-free seedbed with an effective burndown program or tillage.
- Utilize glyphosate as a component of an integrated herbicide program. Use of soil residual herbicides reduces the risks associated with early-season weed competition and the selection pressure for glyphosate-resistant weeds. In addition, residual herbicides should be used for control of any problematic weeds.
- Don't move away from the value of soil residual herbicides in corn. Consider glyphosate as a replacement for your normal postemergence treatment in corn, whether as a planned post or a rescue treatment. If late-emerging weeds are typically a concern, consider using a full rate of a soil residual herbicide applied close to the time of planting. Applying residual herbicides too early prior to crop planting may not provide the desired length of control for important weed species. Another option is to use a herbicide with soil residual as a tank-mix partner with glyphosate applied postemergence.
- Apply glyphosate early to potentially smaller weeds to ensure consistency of control, crop yield protection and reduced selection pressure for glyphosate resistance. Monitor glyphosate performance to proactively identify problems such as weed resistance or weed species shifts.
- Use full labeled rates of postemergence herbicides for more consistent weed control rather than reduced rates. Inconsistent control from reduced herbicide rates may be a precursor to the progressive selection of herbicide resistance.

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. [31728-33 ILAGR tip 9/7/07]

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