

## Roundup Ready® Soybean Recommendations and Incentives

### Herbicide Performance Ratings

	FOXTAIL	BARNYARD-GRASS	KOCHIA	LAMBS-QUARTERS	MARESTAIL	PIGWEED	COMMON RAGWEED	GIANT RAGWEED	VELVET-LEAF	WATER-HEMP
Acetochlor (Warrant® Herbicide)	<b>E</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>G</b>	<b>E</b>	<b>F</b>	<b>P</b>	<b>P</b>	<b>E</b>
Flumioxazin (Valor®)	<b>F</b>	<b>F</b>	<b>G</b>	<b>E</b>	<b>G</b>	<b>E</b>	<b>G</b>	<b>P</b>	<b>F</b>	<b>E</b>
Flumioxazin + Chlorimuron (Valor® XLT)	<b>F</b>	<b>F</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>G</b>	<b>E</b>
Flumioxazin + Cloransulam (Gangster®)	<b>F</b>	<b>F</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>E</b>
Sulfentrazone + Cloransulam (Authority® First)	<b>P</b>	<b>P</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>E</b>
Sulfentrazone + Imazethapyr (Authority® Assist)	<b>F</b>	<b>G</b>	<b>G</b>	<b>E</b>	<b>G</b>	<b>E</b>	<b>G</b>	<b>F</b>	<b>G</b>	<b>E</b>
Sulfentrazone + Metribuzin (Authority® MTZ)	<b>F</b>	<b>F</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>E</b>
Sulfentrazone + Chlorimuron (Authority® XL)	<b>P</b>	<b>P</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>G</b>	<b>E</b>

**E**=Excellent **G**=Good **F**=Fair **P**=Poor

**Always read and follow label directions. Additional restrictions may apply.**

**Visit [RoundupReadyPLUS.com](http://RoundupReadyPLUS.com) for additional information.**

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**Roundup Technology®** includes Monsanto's glyphosate-based herbicide technologies.

**Individual results may vary,** and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready® Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Warrant® Herbicide is not registered in all states. Warrant® Herbicide may be subject to use restrictions in some states. INTRRO® is a restricted use pesticide and is not registered in all states. The distribution, sale, or use of an unregistered pesticide is a violation of federal and/or state law and is strictly prohibited. Check with your local Monsanto dealer or representative for the product registration status in your state. **Tank mixtures:** The applicable labeling for each product must be in the possession of the user at the time of application. Follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. Monsanto has not tested all tank mix product formulations for compatibility or performance other than specifically listed by brand name. Always predetermine the compatibility of tank mixtures by mixing small proportional quantities in advance. INTRRO®, Monsanto imagine® and Vine Design®, Roundup PowerMAX®, Roundup Ready®, Roundup Technology®, Roundup WeatherMAX and Design®, Roundup WeatherMAX®, Roundup®, Transorb and Design®, and Warrant® are trademarks of Monsanto Technology LLC. Authority® is a trademark of FMC Corporation. Cobra®, Gangster®, Phoenix®, Select Max®, and Valor® are registered trademarks of Valent U.S.A. Corporation. All other trademarks are the property of their respective owners. ©2011 Monsanto Company. [23554Fpgd] IN-TF-11-5997

## Roundup Ready® Soybean Recommendations and Incentives

**PLAINS, MIDWEST, NORTHEAST**

To fight tough weeds, use Roundup® brand agricultural herbicides, the only glyphosate-containing herbicides for use on Monsanto technology acres. Choose from the following eligible brands of herbicides in Genuity® Roundup Ready 2 Yield® Soybeans or Roundup Ready® Soybeans to qualify for incentives.

### Roundup Ready PLUS™ Soybean Herbicides | Matching Rates and Incentives Per Acre

**WITHOUT GLYPHOSATE-RESISTANT WEEDS or moderate weed pressure**

	 3.0 pt.	 2.0 oz.  3.0 oz.  2.4 oz.	 10.0 oz.  10.0 oz.	 5.0 oz.  3.2 oz.  11 oz.  4.0 oz.
	\$2.50	\$3.00	\$3.00	\$1.00
	\$3.00	\$3.00	\$3.00	\$1.50
Matching rates*	22 oz.	22 oz.	22 oz.	22 oz.

- Use 2.0 qt. of INTRRO® along with 22 oz. of Roundup PowerMAX® and receive a \$1.00 per acre incentive, or receive a \$1.50 per acre incentive when used with 22 oz. of Roundup WeatherMAX®.

**WITH GLYPHOSATE-RESISTANT WEEDS, heavy weed pressure, or suspected resistance**

	 3.0 pt.	 3.0 oz.  4.5 oz.  3.6 oz.	 10.0 oz.  10.0 oz.	 10 oz.  6.4 oz.  8.0 oz.
	\$2.50	\$4.50	\$3.00	\$2.00
	\$3.00	\$4.50	\$3.00	\$3.00
Matching rates*	22 oz.	32 oz.	22 oz.	44 oz.

\*Matching rates required using either Roundup PowerMAX® or Roundup WeatherMAX® herbicides to receive maximum incentives.

Always read and follow pesticide label directions.

- If glyphosate-resistant Palmer amaranth or waterhemp are present or suspected, use a 12.5 oz. rate of Cobra® or Phoenix® with a 32 oz. rate of Roundup® brand agricultural herbicide.
- Use 3.0 qt. of INTRRO® along with Roundup PowerMAX and receive up to \$1.50 per acre incentive, or receive up to \$2.00 per acre incentive with Roundup WeatherMAX.
- Read and understand Valor® XLT label concerning increased risk of crop response before using greater than 3 oz. per acre of Valor XLT in the spring. 4.5 oz. per acre is not recommended north of I-70.
- Use 20 oz. of Authority® MTZ along with Roundup PowerMAX and receive up to \$1.82 per acre incentive or receive up to \$2.73 per acre incentive with Roundup WeatherMAX.
- Growers using 4.0 oz. per acre of AS Select® Herbicide or 6.0 oz. per acre of Select Max® Herbicide to control volunteer corn along with Roundup® agricultural herbicides will earn the following:
  - 22 oz. per acre Roundup PowerMAX Herbicide will earn \$1.00 per acre -OR-
  - 22 oz. per acre Roundup WeatherMAX Herbicide will earn \$1.50 per acre.

# Roundup Ready® Soybean Recommendations and Incentives

## PLAINS, MIDWEST, NORTHEAST

BEST MANAGEMENT PROGRAM	STEP 1			STEP 2*		PRODUCT	COMMENTS
	BURNDOWN	PREPLANT	PRE	POST 1	POST 2		
<b>FOR CONVENTIONAL TILLAGE</b>							
<i>Start clean, with tillage just prior to planting.</i>							
<b>Without Glyphosate-Resistant Weeds</b> or Moderate Weed Pressure			■			Valor®, Valor® XLT or Gangster®; Authority® First, Authority® Assist, Authority® MTZ or Authority® XL	<ul style="list-style-type: none"> <li>Flumioxazin (Valor®)+ chlorimuron (Valor® XLT) or cloransulam (Gangster®); sulfentrazone + cloransulam (Authority® First), + metribuzin (Authority® MTZ), + chlorimuron (Authority® XL) or imazethapyr (Authority® Assist) will control many key weeds.</li> <li>Choose preemergence herbicide based on weed problem.</li> </ul>
				■		Roundup PowerMAX®	<ul style="list-style-type: none"> <li>Before weeds exceed 4 inches.</li> </ul>
<b>With Glyphosate-Resistant Weeds,</b> Heavy Weed Pressure, or Suspected Resistance			■			Valor®, Valor® XLT or Gangster®; Authority® First, Authority® Assist, Authority® MTZ or Authority® XL	<ul style="list-style-type: none"> <li>Use the higher rates of flumioxazin (Valor®)+ chlorimuron (Valor® XLT) or cloransulam (Gangster®); sulfentrazone + cloransulam (Authority® First), + metribuzin (Authority® MTZ), + chlorimuron (Authority® XL) or imazethapyr (Authority® Assist).</li> <li>Choose preemergence herbicide based on weed problem.</li> </ul>
				■		Roundup PowerMAX + Warrant® Herbicide	<ul style="list-style-type: none"> <li>No glyphosate-resistant weeds have emerged.</li> </ul>
					■	Roundup PowerMAX + Warrant Herbicide + Cobra® or fomesafen	<ul style="list-style-type: none"> <li>If PPO-resistant weeds have emerged, substitute thifensulfuron (Harmony®) or cloransulam (FirstRate®) for fomesafen or Cobra® based on emerged weed.</li> <li>Add Select Max® to the tank mix if glyphosate-resistant grasses or volunteer Roundup Ready® Corn are present.</li> </ul>
<b>FOR CONSERVATION TILLAGE</b>							
<b>Without Glyphosate-Resistant Weeds</b> or Moderate Weed Pressure	■		■			Roundup PowerMAX + 2,4-D or dicamba plus tank mix options: Valor®, Valor® XLT, Gangster®, Authority® First or Authority® MTZ	<ul style="list-style-type: none"> <li>Flumioxazin (Valor®) + chlorimuron (Valor® XLT) or cloransulam (Gangster®); sulfentrazone + cloransulam (Authority® First), or metribuzin (Authority® MTZ) will control many key weeds.</li> <li>Choose preemergence herbicide based on weed problem.</li> </ul>
				■		Roundup PowerMAX	<ul style="list-style-type: none"> <li>Before weeds exceed 4 inches.</li> </ul>
<i>For use on acres with minimal weed pressure</i>	■					Roundup PowerMAX + 2,4-D or dicamba	<ul style="list-style-type: none"> <li>Start clean — residual products may be used.</li> </ul>
				■		Roundup PowerMAX + Warrant Herbicide	<ul style="list-style-type: none"> <li>Early postemergence, no glyphosate resistant weeds have emerged.</li> </ul>
<b>With Glyphosate-Resistant Weeds,</b> Heavy Weed Pressure, or Suspected Resistance	■	■ or ■				Roundup PowerMAX + 2,4-D or dicamba plus tank mix options: Valor®, Valor® XLT, Gangster®, Authority® First or Authority® XL	<ul style="list-style-type: none"> <li>Start clean, which could include tillage in some cases. Higher rates of flumioxazin (Valor®) + chlorimuron (Valor® XLT) or cloransulam (Gangster®) will control many key weeds. Other preemergence residual herbicides containing sulfentrazone, cloransulam or metribuzin may be used, based on weed problem.</li> <li>Choose preemergence herbicide based on weed problem.</li> </ul>
				■		Roundup PowerMAX + Warrant Herbicide	<ul style="list-style-type: none"> <li>No glyphosate-resistant weeds have emerged.</li> </ul>
					■	Postemergence herbicide tank mix with Roundup PowerMAX	<ul style="list-style-type: none"> <li>If PPO-resistant weeds have emerged, substitute thifensulfuron (Harmony®) or cloransulam (FirstRate®) for fomesafen or Cobra® based on emerged weed.</li> <li>Add Select Max® to the tank mix if glyphosate-resistant grasses or volunteer Roundup Ready® Corn are present.</li> </ul>

\*Post over-the-top options.

## How Roundup Ready PLUS™ Soybean Incentives Work

**PLANT** Genuity® Roundup Ready 2 Yield® Soybeans or Roundup Ready® Soybeans.



**PURCHASE** qualifying herbicides from an authorized Monsanto retailer between September 1, 2011 and July 31, 2012 and apply at the recommended rate (refer to rate chart on cover).

**INCENTIVES** will be mailed in check form to the retailer selling Roundup® agricultural herbicides. The incentive check will be made out to both the retailer and the grower. Incentive payments for qualifying herbicides will be matched to corresponding Roundup agricultural herbicides.

**CONTACT** your retailer for details on how to submit your completed incentive program information and herbicide invoice(s).

See your retailer for qualifying states and complete details, or visit [RoundupReadyPLUS.com](http://RoundupReadyPLUS.com)



	ACTIVE	COMMENTS
	Acetochlor	■ Early post-application window providing small-seeded broadleaf and grass control.
	Flumioxazin	■ Flexible—no pH concerns.
	Flumioxazin + Chlorimuron (Classic®)	■ Use on fields with a pH of 6.8 or less.
	Flumioxazin + Cloransulam (FirstRate®)	■ Virtually no pH restrictions.
	Lactofen	■ Expect temporary crop response.
	Lactofen	■ Expect temporary crop response.
	Sulfentrazone + Imazethapyr	■ No pH restrictions.
	Sulfentrazone + Cloransulam (FirstRate®)	■ Virtually no pH restrictions.
	Sulfentrazone + Metribuzin	■ Rate restrictions on soils above 7.5 pH.
	Sulfentrazone + Chlorimuron (Classic®)	■ Do not apply on soils above 7.6 pH.