



CLEAN FIELDS



2015 WEED MANAGEMENT RECOMMENDATIONS AND INCENTIVES

CLEAN FIELDS ADD UP TO STRONG YIELDS

How it Works: Soybeans and Corn

PLANT Genuity® Roundup Ready 2 Yield® Soybeans, Roundup Ready® Soybeans, Roundup Ready® Corn 2 or corn with Roundup Ready® 2 Technology to qualify for incentives.

PURCHASE qualifying herbicides from a participating Monsanto retailer between September 1, 2014, and July 31, 2015, and apply at the recommended rates.

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. The deadline to submit for the 2015 Roundup Ready PLUS® Incentive is August 31, 2015.

LibertyLink® soybeans do not qualify.

How it Works: Cotton

PLANT cotton varieties containing Roundup Ready® Flex technology in a qualifying state.

PURCHASE qualifying herbicides from a participating Monsanto retailer between September 1, 2014, and July 31, 2015, and apply at the recommended rates.

INCENTIVES will be mailed in check form to the retailer selling the cotton technology. The incentive check will be made out to both the retailer and the grower. The deadline to submit for the 2015 Roundup Ready PLUS Incentive is August 31, 2015.

Contact

Contact your retailer for details on how to submit your completed incentive information and herbicide invoice(s). See your retailer for qualifying states and complete details, or visit RoundupReadyPLUS.com.





COTTON RECOMMENDATIONS and INCENTIVES

Genuity® Roundup Ready® Flex Cotton

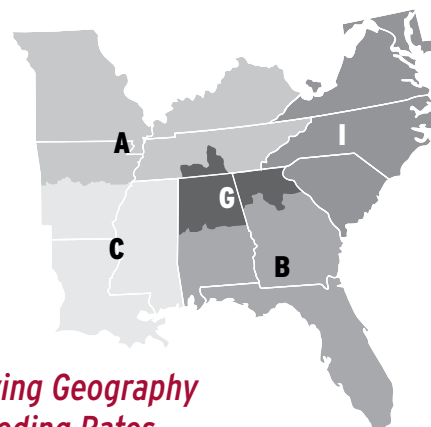
Herbicide Recommendations							
	BURNDOWN	PREPLANT	PRE	POST	LAYBY	HOODS	PRODUCTS
	SOUTHEAST						
CONVENTIONAL TILLAGE	■						Roundup PowerMAX® or Roundup PowerMAX® II + dicamba or 2,4-D
			■				Gramoxone® SL + Reflex® + Direx® 4L
				■			Roundup PowerMAX or Roundup PowerMAX II + Warrant® Herbicide or Dual Magnum®
				■			Roundup PowerMAX or Roundup PowerMAX II + Warrant Herbicide or Dual Magnum (if necessary)
					■		Roundup PowerMAX or Roundup PowerMAX II + Direx 4L
					■		Gramoxone SL + Direx 4L, Rowel™ Herbicide or Valor®
REDUCED TILLAGE		■					Roundup PowerMAX or Roundup PowerMAX II + Warrant Herbicide, Rowel Herbicide or Valor
			■				Gramoxone SL + Direx 4L
						■	Gramoxone SL + Direx 4L
MIDSOUTH							
CONVENTIONAL TILLAGE	■						Roundup PowerMAX or Roundup PowerMAX II + dicamba
		■					Roundup PowerMAX or Roundup PowerMAX II + Reflex
			■				Gramoxone SL + Roundup PowerMAX or Roundup PowerMAX II + Cotoran® 4L or Caparol®
				■			Roundup PowerMAX or Roundup PowerMAX II + Warrant Herbicide or Dual Magnum
				■			Caparol + MSMA + Warrant Herbicide
				■			Roundup PowerMAX or Roundup PowerMAX II + Warrant Herbicide
					■		Roundup PowerMAX or Roundup PowerMAX II or MSMA + Rowel™ Herbicide, Direx 4L or Valor
					■	Gramoxone SL + Direx 4L	

Always read and follow pesticide label directions. Additional restrictions may apply. Use Warrant Herbicide a maximum of two applications.

¹Follow post and layby recommendations from conventional tillage section.

Incentives Per Acre ²	
 3 pt.	\$2.50 pay on two applications
 2 oz.	\$3.00
 1 pt.	\$0.50
 2 pt.  2 pt.	\$2.00 pay on two applications
 2 pt.	\$0.50
 2 oz.	\$3.00
 3 oz.	\$3.00
 1 pt.	\$1.50 pay on two applications
 2.5 pt.	\$0.50

²This chart is meant to calculate incentive payments only. Please see label for recommended application rates.



Qualifying Geography and Seeding Rates

Qualifying States for Roundup Ready PLUS® Cotton Incentives:

Alabama	Kentucky	Missouri	Tennessee
Arkansas	Louisiana	North Carolina	Virginia
Florida	Maryland	South Carolina	
Georgia	Mississippi		

Seed Drop Zone with Monsanto Published Seeding Rate:

Zone A = 45,500	Zone C = 42,100	Zone I = 44,600
Zone B = 38,000	Zone G = 56,100	

HERBICIDE ACTIVE INGREDIENTS *and* PERFORMANCE RATINGS

Herbicide Active Ingredients - Cotton

	ACTIVE	COMMENTS
Warrant® Herbicide	Acetochlor	▪ Pre-emergent and postemergent residual herbicide providing small-seeded broadleaf weed and grass control
Rowel™ Herbicide	Flumioxazin	▪ Pre-emergence control of large- and small-seeded broadleaf weeds
Reflex®	Fomesafen	▪ Selective postemergence herbicide for the control of annual broadleaf weeds in cotton
Cotoran® 4L	Fluometuron	▪ Pre-emergence application providing up to 2.5 weeks control of a wide spectrum of annual grass and broadleaf weeds
Caparol®	Prometryn	▪ Can be used as a preplant, PPI, pre-emerge or post-directed on cotton 3 inches to layby
Direx® 4L	Diuron	▪ Very good crop safety plus up to 3.5 weeks control of resistant weeds when used in a burndown or layby application
Valor®	Flumioxazin	▪ Residual with added burndown; flexible application timing: early preplant, burndown, post-directed and layby
Pyrimax®	Pyriithiobac	▪ Broad-spectrum pre- and postemergence control of tough weeds, including resistant weeds
Dual Magnum®	S-metolachlor	▪ Offers broad-spectrum control of most annual grasses and small-seeded broadleaf weeds
Gramoxone® SL	Paraquat	▪ Broad-spectrum control and proven efficacy on tough-to-control weeds

Herbicide Performance Ratings - Cotton

	JOHNSON-GRASS (SEEDLING)	BARNYARD GRASS	FALL PANICUM	MORNING-GLORIES	LAMBS-QUARTERS	PALMER AMARANTH	PRICKLY SIDA	RAGWEED	COCKLEBUR	VELVETLEAF	SMARTWEED	HERBICIDE CLASS
Warrant Herbicide	G	G	G	P	F	E	P	P	P	P	P	15
Rowel Herbicide	P	F	F	G	E	E	E	G	P	G	F	14
Reflex	P	P	P	G	G	E	F	G	F	P	F	14
Cotoran 4L	P	F	F	G	E	E	F	G	G	F	G	7
Caparol	G	G	G	E	E	E	G	E	E	F	F	7
Direx 4L	F	F	F	G	E	E	F	G	F	F	F	7
Valor	P	F	F	G	E	E	E	G	P	G	F	14
Pyrimax*	F	F	P	G	P	G	E	P	F	G	G	2
Dual Magnum	G	G	G	P	F	E	P	P	P	P	P	15
Gramoxone SL	G	G	G	F	F	E	F	F	F	F	F	22

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

*This rating is based on pre-application.

This chart should be used only as a guide. Performance may be better or worse than indicated in the table due to weather, soil conditions or other variables.

Always read and follow pesticide label directions.





SOYBEAN RECOMMENDATIONS and INCENTIVES

Genuity® Roundup Ready 2 Yield® Soybeans and Roundup Ready® Soybeans

Herbicide Recommendations

STEP 1			STEP 2 ²		PRODUCTS
BURNDOWN	PREPLANT	PRE	POST 1	POST 2	
					Start clean, with tillage just prior to planting.
■					Roundup WeatherMAX® or Roundup PowerMAX® or Roundup PowerMAX® II + dicamba
	■	or ■			Gramoxone® SL + Warrant® Herbicide, Rowel™ Herbicide, Rowel™ FX Herbicide, Fierce®, Fierce® XLT, Valor®, Valor® XLT, Authority® MAXX or Authority® MTZ
			■ ¹		Roundup WeatherMAX or Roundup PowerMAX or Roundup PowerMAX II + Warrant Herbicide + Cobra® or Flexstar®
				■	Roundup WeatherMAX or Roundup PowerMAX or Roundup PowerMAX II + Warrant Herbicide

¹ Tank-mix Select Max® if volunteer corn is present.

² Post over-the-top options.

No more than two applications of Warrant Herbicide may be applied in a single growing season.

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



Matching Rates and Incentives Per Acre³

Matching Rates ⁴	Incentive Per Acre	
 32 oz.  32 oz.		
 3 pt.	\$2.00	\$2.50
 3 oz.  4.5 oz.	\$4.50	\$4.50
 3.75 oz.	\$3.75	\$3.75
 4 oz.	\$3.00	\$3.00
 3 oz.  4.5 oz.  3.6 oz.	\$4.50	\$4.50
 8 oz.  5 oz.  6.4 oz.  14 oz.	\$3.00	\$3.50
 6.4 oz.		
 10 oz.  10 oz.	\$3.00	\$3.00
 16 oz.	\$2.00	\$2.00
 2.5 pt.	\$0.50	\$0.50
 6 oz.	\$1.00	\$1.50

³ This chart is meant to calculate incentive payments only. Please see label for recommended application rates.

⁴ Matching rates required when using either Roundup PowerMAX, Roundup PowerMAX II or Roundup WeatherMAX herbicides to receive maximum incentives.

Payments initiate at \$3.00 per acre with 32 oz. per acre Roundup PowerMAX, Roundup PowerMAX II or Roundup WeatherMAX matched with 2 oz. Rowel, 3 oz. Rowel FX, 2 oz. Valor, 3 oz. Valor XLT, 2.4 oz. Gangster, 3 oz. Fierce, per acre and at \$1.00 and \$1.50 per acre with 32 oz. per acre of Roundup PowerMAX, Roundup PowerMAX II or Roundup WeatherMAX per acre respectively matched with 6 oz. of SelectMax® or 4 oz. of Select® 2 EC.



CORN RECOMMENDATIONS and INCENTIVES

Roundup Ready® Corn 2 and Corn with Roundup Ready® 2 Technology

Herbicide Recommendations

STEP 1			STEP 2		PRODUCTS
BURNDOWN	PREPLANT	PRE ¹	POST 1	POST 2	
					Start clean, with tillage just prior to planting.
■					Roundup WeatherMAX® or Roundup PowerMAX® or Roundup PowerMAX® II + dicamba or 2,4-D
	■ or ■				Roundup WeatherMAX or Roundup PowerMAX or Roundup PowerMAX II + Harness® Brands, Degree Xtra® TripleFLEX® Herbicide or TripleFLEX® II Herbicide
			■ or ■		Roundup WeatherMAX or Roundup PowerMAX or Roundup PowerMAX II with IMPACT® herbicide or atrazine

¹PRE herbicides may also include other Monsanto herbicides based on local weeds and preferences. Always read and follow pesticide label directions. Additional restrictions may apply.

Matching Rates and Incentives Per Acre²

Matching Rates ³	Incentive Per Acre	
32 oz. 32 oz.		
3 qt. 1.8 qt. 2 pt. 2 pt.	\$1.00	\$1.50
0.75 oz.	\$3.00	\$3.50

²This chart is meant to calculate incentive payments only. Please see label for recommended application rates.

³Matching rates required when using either Roundup PowerMAX, Roundup PowerMAX II or Roundup WeatherMAX herbicides to receive maximum incentives.

Higher rates may be required based on weed species. Some Roundup Ready PLUS® recommended herbicides may have restrictions based on soil type, tillage practice and pH. See label for details.

Herbicide Active Ingredients - Corn

	ACTIVE	COMMENTS
Degree Xtra	Acetochlor + Atrazine	■ As soil temperature rises, the patented temperature release technology delivers just the right amount of weed control
Harness®	Acetochlor	■ Consistent, season-long performance against 30 grasses and small-seeded broadleaf weeds
Harness® Xtra	Acetochlor + Atrazine	■ Multiple modes of action with an expanded spectrum of control – more than 40 grasses and broadleaf weed species
Harness® Xtra 5.6L	Acetochlor + Atrazine	■ Multiple modes; higher rate of atrazine for additional weed control – more than 40 grasses and broadleaf weed species
TripleFLEX Herbicide or TripleFLEX II Herbicide	Acetochlor + Flumetsulam + Clopyralid	■ Three modes of action for control of ALS-, glyphosate- and triazine-resistant weeds
IMPACT	Topramezone	■ Apply any time after corn emergence until 45 days before harvest for additional control of tough or glyphosate-resistant weeds – early to late post

Herbicide Performance Ratings - Corn

	FOXTAIL	BARNYARD-GRASS	KOCHIA	FALL PANICUM	LAMBS-QUARTERS	PIGWEED	COMMON RAGWEED	GIANT RAGWEED	VELVETLEAF	WATERHEMP	SMARTWEED	HERBICIDE CLASS
Degree Xtra	E	E	E	E	E	E	G	G	E	E	E	15, 5
Harness	E	E	F	E	G	E	F	F	F	E	F	15
Harness Xtra	E	E	E	E	E	E	E	G	E	E	E	15, 5
Harness Xtra 5.6L	E	E	E	E	E	E	G	G	E	E	E	15, 5
TripleFLEX Herbicide or TripleFLEX II Herbicide	E	E	E	E	E	E	E	E	E	E	E	15, 2, 4
IMPACT	G	G	G	F	E	E	E	E	E	E	G	27

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

These charts should be used only as a guide. Performance may be better or worse than indicated in the table due to weather, soil conditions or other variables. Always read and follow pesticide label directions.



HERBICIDE ACTIVE INGREDIENTS and PERFORMANCE RATINGS

Herbicide Performance Ratings - Soybeans

	JOHNSON-GRASS (SEEDLING)	BARNYARD GRASS	FALL PANICUM	MORNING-GLORIES	LAMBS-QUARTERS	PALMER AMARANTH	PRICKLY SIDA	GIANT RAGWEED	COCKLEBUR	VELVETLEAF	SMARTWEED	HERBICIDE CLASS
Warrant® Herbicide	G	E	G	P	G	E	P	P	P	P	P	15
Rowel™ Herbicide	P	F	F	G	E	E	E	G	P	G	F	14
Rowel™ FX Herbicide	F	F	F	E	E	E	E	G	G	G	E	14, 2
Gangster®	F	F	F	E	E	E	E	E	G	G	E	14, 2
Valor®	P	F	F	G	E	E	E	G	P	G	F	14
Valor® XLT	F	F	F	E	E	E	E	G	G	G	E	14, 2
Fierce®	P	E	E	G	E	E	E	G	P	E	G	14, 15
Fierce® XLT	E	E	E	E	E	E	E	G	G	E	E	14, 15, 2
Authority® Assist	F	G	G	E	E	E	G	G	G	G	E	14, 2
Authority® First	P	P	F	E	E	E	E	E	G	G	E	14, 2
Authority® MAXX	P	P	E	E	E	E	E	G	G	E	E	14, 2
Authority® MTZ	F	G	P	E	E	E	G	E	G	G	G	14, 5
Authority® XL	P	P	E	E	E	E	E	G	G	E	E	14, 2
Cobra®/Phoenix™	P	P	P	P	F	E	E	E	F	F	F	14
Flexstar®	P	P	P	G	F	E	F	G	G	G	G	14
Gramoxone® SL	G	G	G	F	F	E	F	F	F	F	F	22

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

These charts should be used only as a guide. Performance may be better or worse than indicated in the table due to weather, soil conditions or other variables. Always read and follow pesticide label directions.

Herbicide Active Ingredients - Soybeans

	ACTIVE	COMMENTS
Warrant Herbicide	Acetochlor	■ Pre-emergence through early post-application window, providing grass and small-seeded broadleaf weed control
Rowel Herbicide	Flumioxazin	■ Pre-emergence control of large- and small-seeded broadleaf weeds
Rowel FX Herbicide	Flumioxazin + Chlorimuron	■ Additional mode of action for expanded pre-emergence control
Gangster	Flumioxazin + Cloransulam	■ Provides large- and small-seeded broadleaf weed control; virtually no pH restrictions
Valor	Flumioxazin	■ Crop rotation flexibility - no pH concerns; provides small-seeded broadleaf residual weed control
Valor XLT	Flumioxazin + Chlorimuron	■ Use on fields with a pH of 7.6 or less; provides large- and small-seeded broadleaf residual weed control
Fierce	Flumioxazin + Pyroxasulfone	■ No pH concerns; provides broad-spectrum residual weed control
Fierce XLT	Flumioxazin + Pyroxasulfone + Chlorimuron	■ Provides broad spectrum residual weed control, including ragweed
Authority Assist	Sulfentrazone + Imazethapyr	■ No pH restrictions
Authority First	Sulfentrazone + Cloransulam	■ Virtually no pH restrictions
Authority MAXX	Sulfentrazone + Chlorimuron	■ Do not apply on soils above 7.6 pH
Authority MTZ	Sulfentrazone + Metribuzin	■ Rate restrictions on soils above 7.5 pH
Authority XL	Sulfentrazone + Chlorimuron	■ Do not apply on soils above 7.6 pH
Cobra/Phoenix	Lactofen	■ Postemergence control of tough-to-control weeds with no carryover restrictions for the following crop year
Flexstar	Fomesafen	■ Offers postemergence weed control on tough-to-control weeds
Gramoxone SL	Paraquat	■ Broad-spectrum control and proven efficacy on tough-to-control weeds
Select Max	Clethodim	■ For control of volunteer corn or other grasses

Visit RoundupReadyPLUS.com for additional information.

CROP MANAGEMENT IS YIELD MANAGEMENT

Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Commercialized products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Biotechnology Industry Organization.

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® 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. Degree®, Harness®, TripleFLEX® Herbicide and Warrant® Herbicide are not registered in all states. Degree®, Harness®, TripleFLEX® Herbicide and Warrant® Herbicide may be subject to use restrictions in some states. Harness® 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.

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