



**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](http://RoundupReadyPLUS.com).



## PERFORMANCE RATINGS by CROP

### Herbicide Active Ingredients - Cotton

	ACTIVE	COMMENTS
Warrant® Herbicide	Acetochlor	■ Flexible – no pH concerns; provides small-seeded broadleaf weed control
Rowel™ Herbicide	Flumioxazin	■ Pre-emergence control of large- and small-seeded broadleaf weeds
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
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
Chateau®	Flumioxazin	■ Labeled for use in Arizona cotton; crop rotation flexibility – no pH concerns; provides small-seeded broadleaf weed control
Pyrimax®	Pyriithobac	■ Broad-spectrum pre- and postemergence control of tough weeds, including resistant weeds

### Herbicide Performance Ratings - Cotton

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

**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.

### 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	<b>G</b>	<b>E</b>	<b>G</b>	<b>P</b>	<b>G</b>	<b>E</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>15</b>
Rowel Herbicide	<b>P</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>P</b>	<b>G</b>	<b>F</b>	<b>14</b>
Rowel™ FX Herbicide	<b>F</b>	<b>F</b>	<b>F</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>E</b>	<b>14, 2</b>
Gangster®	<b>F</b>	<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>	<b>14, 2</b>
Valor	<b>P</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>P</b>	<b>G</b>	<b>F</b>	<b>14</b>
Valor® XLT	<b>F</b>	<b>F</b>	<b>F</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>E</b>	<b>14, 2</b>
Fierce®	<b>P</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>P</b>	<b>E</b>	<b>G</b>	<b>14, 15</b>
Fierce® XLT	<b>E</b>	<b>E</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>	<b>E</b>	<b>14, 15, 2</b>
Authority® Assist	<b>F</b>	<b>G</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>E</b>	<b>14, 2</b>
Authority® First	<b>P</b>	<b>P</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>	<b>14, 2</b>
Authority® MAXX	<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>	<b>E</b>	<b>14, 2</b>
Authority® MTZ	<b>F</b>	<b>G</b>	<b>P</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>E</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>14, 5</b>
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>	<b>E</b>	<b>14, 2</b>
Cobra®/Phoenix™	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>F</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>14</b>
Flexstar®	<b>P</b>	<b>P</b>	<b>P</b>	<b>G</b>	<b>F</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>14</b>
Gramoxone SL	<b>G</b>	<b>G</b>	<b>G</b>	<b>F</b>	<b>F</b>	<b>E</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>22</b>

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











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Always read and follow pesticide label directions.

# COTTON RECOMMENDATIONS and INCENTIVES

## Genuity® Roundup Ready® Flex Cotton

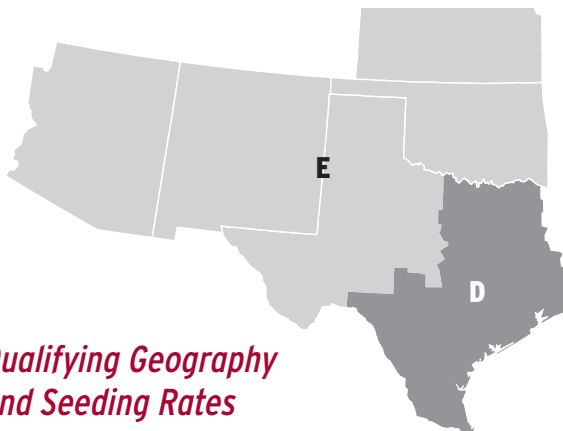
Herbicide Recommendations						
	STEP 1			STEP 2		PRODUCTS
	FALL	PREPLANT	PLANTING	POST	LAYBY	
EAST TEXAS CONVENTIONAL TILLAGE	■					Triflurex® or Pendimax®
		■				Roundup PowerMAX® + Warrant® Herbicide, Rowel™ Herbicide or Valor®
			■			Gramoxone® SL + Cotoran® 4L, Direx® 4L, Pyrimax® 3.25L, Warrant Herbicide or Pendimax
				■		Roundup PowerMAX + Pyrimax 3.25L, -OR- Roundup PowerMAX + Warrant Herbicide or Dual Magnum®
					■	Roundup PowerMAX -OR- Gramoxone SL + Direx 4L, Warrant Herbicide, Rowel Herbicide or Valor
WEST TEXAS CONVENTIONAL TILLAGE		■				Triflurex or Pendimax
		■				Roundup PowerMAX + Rowel Herbicide or Valor and/or 2,4-D
			■			Gramoxone SL + Cotoran 4L or Direx 4L
				■		Roundup PowerMAX + Warrant Herbicide or Dual Magnum or Pyrimax 3.25L
					■	Roundup PowerMAX + Pyrimax 3.25L
ARIZONA <sup>1</sup> CONVENTIONAL TILLAGE		■				Dual Magnum or pendimethalin
			■			Pendimethalin or Triflurex (trifluralin) + Caparol®
				■		Roundup PowerMAX + Dual Magnum or pendimethalin
				■		Roundup PowerMAX + Caparol, Direx 4L or Layby Pro
					■	Roundup PowerMAX + Chateau®, Caparol or Layby Pro

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

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

\* Chateau labeled for use in Arizona cotton.

\*\* Warrant Herbicide, Rowel Herbicide and Valor do not qualify for incentives in Arizona on cotton varieties containing Roundup Ready® Flex Technology. Not labeled for use in Arizona.



### Qualifying Geography and Seeding Rates

Qualifying States for Roundup Ready PLUS® Cotton Incentives:

Arizona                      New Mexico                      Texas  
Kansas                      Oklahoma

Seed Drop Zone with Monsanto Published Seeding Rate:

Zone D = 42,550                      Zone E = 47,000

<sup>1</sup> Warrant Herbicide not labeled for use in Arizona.

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.

# SOYBEAN RECOMMENDATIONS and INCENTIVES

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

### Herbicide Recommendations

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

<sup>1</sup>Tank-mix Select Max® if volunteer corn is present.

<sup>2</sup>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.

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

<sup>4</sup>Matching rates required when using either Roundup PowerMAX or Roundup WeatherMAX herbicides to receive maximum incentives.

Payments initiate at \$3.00 per acre with 32 oz. per acre Roundup PowerMAX 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, and at \$1.00 and \$1.50 per acre with 32 oz. per acre of Roundup PowerMAX or Roundup WeatherMAX per acre respectively matched with 6 oz. of SelectMax® or 4 oz. of Select® 2 EC.

### Matching Rates and Incentives Per Acre<sup>3</sup>

Matching Rates <sup>4</sup>	 32 oz.	 32 oz.
Incentive Per Acre		
 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

### 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	■ Virtually no pH restrictions; provides large- and small-seeded broadleaf weed control
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 carry over 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





# 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 <sup>1</sup>	POST 1	POST 2	
Start clean, with tillage just prior to planting.					
■					Roundup WeatherMAX® or Roundup PowerMAX® + dicamba or 2,4-D
	■ or ■				Roundup WeatherMAX or Roundup PowerMAX + Harness® Brands, Degree Xtra®, TripleFLEX® Herbicide or TripleFLEX® II Herbicide
			■ or ■		Roundup WeatherMAX or Roundup PowerMAX with IMPACT® herbicide or atrazine

<sup>1</sup>PRE 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 Acre <sup>2</sup>		
Matching Rates <sup>3</sup>	32 oz.	32 oz.
Incentive Per Acre		
3 qt. 1.8 qt. 2 pt. 2 pt.	2.25 pt. 2.25 qt.	\$1.00
0.75 oz.	\$3.00	\$1.50 \$3.50

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

<sup>3</sup>Matching rates required when using either Roundup PowerMAX 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	<b>E</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>	<b>E</b>	<b>E</b>	<b>15, 5</b>
Harness	<b>E</b>	<b>E</b>	<b>F</b>	<b>E</b>	<b>G</b>	<b>E</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>E</b>	<b>F</b>	<b>15</b>
Harness Xtra	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>15, 5</b>
Harness Xtra 5.6L	<b>E</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>	<b>E</b>	<b>E</b>	<b>15, 5</b>
TripleFLEX Herbicide or TripleFLEX II Herbicide	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>15, 2, 4</b>
IMPACT	<b>G</b>	<b>G</b>	<b>G</b>	<b>F</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>27</b>

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

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