



# PGI 447RR ALFALFA

Proven Genetic Innovation

Performance with Genuity® Roundup Ready® Technology

- ✓ For aggressive 3 or 4 cut harvest systems
- ✓ Maximizes yield of high quality, weed-free forage



## Management Profile

- A variety forward-bred with the Genuity® Roundup Ready® trait
- Adapted to all U.S. production zones where fall dormancy 3, 4 or 5 varieties are normally grown for hay, haylage or greenchop
- For "best practices" aggressive management systems
- Part of the Genuity® Roundup Ready® alfalfa system
- Agronomic performance is competitive with the leading conventional alfalfas in the market

State	Number of Cuts	PGI 447RR	Pioneer 54V54	Ameristand 403T	Attention	Dairyland Hybriforce 400
Iowa	8	16.3	15.9	14.7	16.1	16.3
Idaho	8	13.6	12.5	12.1	12.9	12.6
Indiana	9	16.8	16.7	14.3	17.4	16.0
Nebraska	8	16.0	16.6	14.8	16.4	16.4
Pennsylvania	11	19.2	18.4	16.2	18.6	18.9
Washington	8	21.8	20.9	20.8	21.6	21.8
Wisconsin	9	16.4	15.0	11.9	15.9	14.8
All	Average	17.2	16.6	15.0	17.0	16.7

\*Forage yield as Tons Per Acre from 2004 and 2005 seasons.

## Performance For the Way You Farm

- Outstanding head to head forage quality versus widely grown competitive alfalfas

State	Number of Cuts*	PGI 447RR	Pioneer 54V54	Ameristand 403T	Attention	Dairyland HybriForce 400
Iowa	2	160	150	144	135	145
Indiana	2	152	144	141	138	142
Pennsylvania	2	147	138	143	141	137
Wisconsin	2	154	140	150	145	143
All	Average	153	143	145	140	142

\*Relative Forage Quality (RFQ) during the 2004 season



# PGI 447RR Alfalfa

## Field Appearance at Harvest Maturity

- Tall, upright growth habit
- Medium dark green foliage

## Key Agronomic Characteristics

Fall Dormancy	4
Winter Hardiness Rating	2
Multifoliolate Leaf Expression	Yes
Wisconsin Disease Rating Index	30 of 30

		S	LR	MR	R	HR
Disease Ratings	Anthracnose					
	Bacterial Wilt					
	Fusarium Wilt					
	Phytophthora Root Rot					
	Verticillium Wilt					
	Aphanomyces Race 1					
Insect Ratings	Pea Aphid					
	Spotted Alfalfa Aphid		Testing in Progress			
Nematode Ratings	Stem					
	Northern Root Rot					

Breeder ratings are based on average performance of the variety over a wide range of climate and soil types. Actual performance may be adversely affected by extreme conditions. Unless stated, ratings are based on standardized testing procedures endorsed by the North American Alfalfa Improvement Conference.



## GROW THE FEED, NOT THE WEEDS



### Easy

The Genuity® Roundup Ready® alfalfa system can deliver unsurpassed weed control and crop safety. It's the easy, flexible way to grow more, higher quality alfalfa.

### Quality

You'll have fewer weeds in your forage with Genuity® Roundup Ready® alfalfa, which means higher quality feed. You can produce more milk or beef per acre.

### Quantity

Genuity® Roundup Ready® alfalfa is the simple way to grow more high quality hay. Whether you have used herbicides in your alfalfa fields in the past or not, the Genuity® Roundup Ready® alfalfa production system will give you greater alfalfa yield potential.

Based on the decision of the U.S. Department of Agriculture (USDA) on January 27, 2011, Genuity® Roundup Ready® Alfalfa seed is available for sale and distribution by authorized seed companies or their dealers for use in the United States only. This seed may not be planted outside of the United States, or for the production of seed, or sprouts.

**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. This product has 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. **Do not export Genuity® Roundup Ready® alfalfa seed or crop, including hay or hay products, to China pending import approval.** 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.

**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. Roundup Ready® and Roundup® are registered trademarks of Monsanto Technology LLC. ©2011 Monsanto Company.