



AmeriStand 420LH RR Brand

FALL DORMANCY: 3.9

WINTERHARDINESS: 2.2

CUTTINGS/SEASON: 3-4

PERFORMANCE PROFILE

Yield Potential: Excellent

Forage Quality: Very Good

Stand Persistence: Excellent

Recovery After Cutting: V. Fast

RESISTANCE RATINGS

Leafhopper: HR

Phytophthora Root Rot: HR

Aphanomyces Root Rot

RACE 1: HR

RACE 2: R

Anthracnose: HR

Verticillium Wilt: HR

Bacterial Wilt: HR

Fusarium Wilt: HR

Pea Aphid: R

Spotted Alfalfa Aphid: R

Stem Nematode: R

HR = >51% Resistance

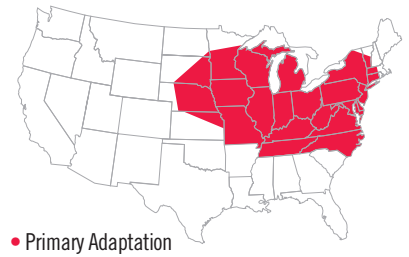
R = 31-50% Resistance

MR = 15-30% Resistance

LR = 6-14% Resistance

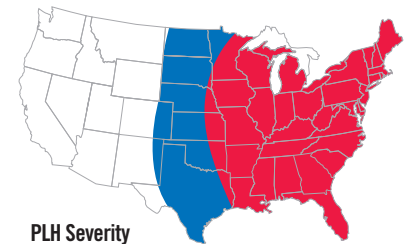
Roundup Ready Alfalfa with High Resistance to Potato Leafhopper

- High potato leafhopper resistance that delivers high yield potential and forage quality, even under heavy leafhopper pressure
- High establishment success with glyphosate application shortly after emergence. Broad spectrum weed control reduces competition for water and nutrients allowing alfalfa to canopy and develop a strong root foundation
- Winterhardy (WH=2.2); AmeriStand 420LH RR Brand delivers good winter survival, even under harsh winter conditions
- An almost perfect disease resistance index (DRI) of 34/35 for good yield potential and stand persistence across a wide range of soil types and climates



ALFALFA STANDS SUFFER LOSS BEFORE YELLOWING

Potato leafhopper attacks can reduce crude protein, lower dry matter yield and reduce winter survival. These mid-to-late season alfalfa pests suck sap from plants and damage leaflets. Restriction of water and nutrient flow causes yellowing of leaf tips. Severely damaged plants will be stunted, if leafhoppers are not controlled. Damage typically first appears along the edge of fields, but field scouting is recommended to detect leafhoppers before yellowing appears. Highly resistant varieties suffer significantly less damage and inhibit leafhopper populations. Leafhopper burn appears as yellow wedge-shaped areas on leaf tips.



Due to the unique cropping practices do not plant Roundup Ready® Alfalfa in Imperial County, California, pending import approvals and until Forage Genetics International, LLC (FGI) grants express permission for such planting.

Forage Genetics International, LLC ("FGI") is a member of Excellence Through Stewardship® (ETS). FGI products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with FGI's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. As of June 2017, Roundup Ready® Alfalfa has pending import approvals. 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. Growers should refer to <http://www.biotradestatus.com/> for any updated information on import country approvals. 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. Glyphosate herbicides will kill crops that are not tolerant to glyphosate.

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