



RUGGED Alfalfa

One Tough Alfalfa

- ✓ Excellent Salt Tolerance
- ✓ Excellent Persistence
- ✓ Excellent Traffic-Compaction Tolerance



Management Profile

- Parent stock was specially selected for Phytophthora Root Rot, Aphanomyces Root Rot and winter injury pressure.
- Fine stems for superior milk per acre.
- Excellent persistence ensures thick, high quality alfalfa over long rotations.
- Superior winter survival index over Vernal and other competitive varieties based on trials in Iowa, Wisconsin and Minnesota.
- Large, broad, deep-set crowns with more stems.

Broad Spectrum Pest Resistance

- Resists Phytophthora Root Rot and Aphanomyces Root Rot along with additional crown rot resistance to help this variety produce top yields over long rotations.
- Screening techniques have led to seedlings with higher resistance to root rots.

Key Agronomic Characteristics

Fall Dormancy		3
Winter Hardiness Index		1.2
Wisconsin Disease Rating Index		30 of 30
Pest Package		
		S LR MR R HR
Disease Ratings	Anthraxnose	
	Aphanomyces Race 1	
	Aphanomyces Race 2	
	Bacterial Wilt	
	Fusarium Wilt	
	Phytophthora Root Rot	
	Verticillium Wilt	
Insect Ratings	Pea Aphid	
	Spotted Alfalfa Aphid	
	Leaf Hopper Yellowing	
Nematode Ratings	Stem	IT LT MT T HT
Soil Condition	Traffic Compaction	
	Salt	



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.

Fall Dormancy: The reaction of alfalfa varieties to decreasing day length and temperatures in the fall versus check varieties. FD 1 Norseman, FD 2 Vernal, FD 3 Ranger, FD 4 Saranac, FD 5 Archer, etc.

Pest Resistance Ratings: S = Susceptible with 0-5% resistant plants; LR = Low Resistance with 6-14% resistant plants; MR = Moderate Resistance with 15-30% resistant plants, R = Resistance with 31-50% resistant plants; and HR = High Resistance with greater than 50% resistant plants.

Wisconsin Disease Rating Index: For the six major diseases of alfalfa, a variety is awarded 5 points for each HR, 4 points for each R, 3 points for each MR, 2 points for each LR and 1 point for each S. A perfect score is 30 of 30.

Winter Hardiness Index: 1 = most hardy and least winter injury, 6 = least hardy and injury resulting in plant death. Ratings are in relationship to the winter injury incurred by standard check varieties.

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