



## ★CLIMATE READY ALFALFA★

Majestic 425 is a high forage yielding and very high forage quality alfalfa variety. It expresses branch root trait to be productive in areas of hard pan and high water table. Its sunken crown reduces traffic injury to the crown and stem buds while improving winter survival. Majestic 425 is protected by a broad base of disease resistance with high resistance to Aphanomyces Races 1 and 2.



### EXCEPTIONALLY HIGH FORAGE YIELD

### OUTSTANDING FORAGE QUALITY

### SUNKEN CROWN

*Shown in image 1*

*Improves winter survival*

*Reduces traffic injury to crown and stem buds*

### BRANCH ROOT TRAIT

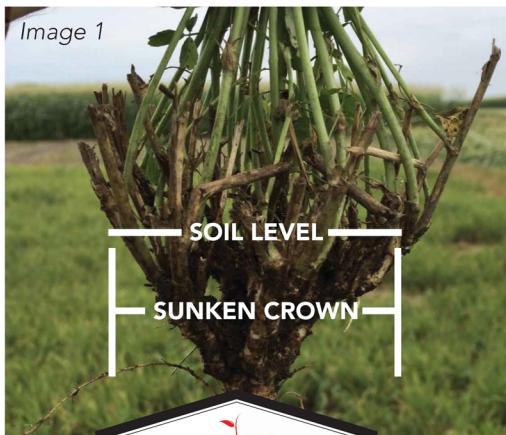
*Shown in image 2*

*Advantage in problem soil: high water table, hard pan or plow pan, heavy soils that don't drain well*

*Resistance to "Frost Heaving"*

### AGRONOMIC CHARACTERISTICS

Bacterial Wilt	HR	Winter Survival Index Rating	1.5
Fusarium Wilt	HR	Recovery After Cutting	Good
Verticillium Wilt	HR	Root	Branch/Tap
Anthracnose Race 1	HR	Crown	Sunken
Phytophthora Root Rot	HR	Leaf Type	50% Multi-Leaf
Aphanomyces Root Rot Race 1	HR	Forage Yield Potential	Excellent
Aphanomyces Root Rot Race 2	HR	Forage Quality	Excellent
Anthracnose Race 5 (New)	HR	Salt Tolerance (germ)	T
Disease Resistance Index (DRI)	40/40	Traffic Tolerance	T
Fall Dormancy	3.9		



# SUNKEN CROWN TRAIT IMPROVES TRAFFIC TOLERANCE

## WHEEL TRAFFIC FACTS

- 40-70% of field is run over in a season
- 16-26% yield loss in traffic areas
- Poor forage quality in traffic damaged areas
- Increased crown rot and stand loss

## HEAD-TO-HEAD FORAGE YIELD SUMMARY

Variety	S Central WI	N Central WI-1	N Central WI-2	Southwest WI	Total Tons	% Adv	Extra Tons/Yr	Per Yr x \$200/Ton
<b>Majestic 425</b>	-	-	<b>7.34</b>	<b>7.89</b>	<b>15.23</b>	<b>105.69</b>	<b>0.41</b>	<b>\$82.00</b>
54Q14	-	-	6.72	7.69	14.41			
<b>Majestic 425</b>	<b>8.46</b>	<b>9.26</b>	<b>7.34</b>	<b>7.89</b>	<b>32.95</b>	<b>103.71</b>	<b>0.29</b>	<b>\$59.00</b>
Rebound AA	8.12	9.01	7.05	7.59	31.77			
<b>Majestic 425</b>	<b>8.46</b>	<b>9.26</b>	<b>16.21*</b>	-	<b>33.93</b>	<b>103.04</b>	<b>0.25</b>	<b>\$50.00</b>
AFX 460	8.44	8.87	15.62*	-	32.93			
<b>Majestic 425</b>	<b>8.46</b>	<b>9.26</b>	<b>7.34</b>	<b>7.89</b>	<b>32.95</b>	<b>103.52</b>	<b>0.28</b>	<b>\$56.00</b>
Hybriforce 4400	8.12	8.99	7.09	7.63	31.83			
<b>Majestic 425</b>	<b>8.46</b>	<b>9.26</b>	<b>7.34</b>	<b>7.89</b>	<b>32.95</b>	<b>109.91</b>	<b>0.74</b>	<b>\$148.50</b>
Megatron HarvXtra	7.70	8.62	6.55	7.11	29.98			

\*2-Year Yield Total

## FORAGE YIELD & QUALITY DATA

Variety	WI TRIAL 1		WI TRIAL 2	
	DM Yield Ton/Acre	Milk/Acre	DM Yield Ton/Acre	Milk/Acre
<b>Majestic 425</b>	<b>5.08</b>	<b>16,331</b>	<b>6.58</b>	<b>22,686</b>
Rebound AA	4.96	16,153	6.42	22,258
Hybriforce 4400	4.84	15,509	6.31	21,746
Megatron HarvXtra	4.68	15,402	6.26	22,021
Pioneer 54Q14	4.76	15,326	-	-
AFX 460	-	-	6.39	22,288
Full Trial Average	5.12		6.48	

## SEEDING

Alfalfa is a very "foundational" crop; start with adequate fertility levels; pH 6.5-7.5; P ≥ 50 lbs/ac; K ≥ 220-250 lbs/ac. Plant into well-drained soil type, firm seedbed, seeding depth 1/4" to 1/2". Planting rate, regardless of nurse or companion crop is 17-22 lbs/ac; if broadcast or no-till seeded, consider increasing seeding rate 10-20%. Keep nurse crop < 1 bu.; companion crop < 2 lbs. Imperative to plant into moist soils where irrigation not available, not in dry soil soils anticipating rainfall. GOAL: optimal stand density 5 weeks after planting, 25-35 plants per sq. ft.

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