

Exceptional Winterhardiness and Outstanding Profitability

University of Wisconsin Arlington		University of Minnesota Plainview		Boone, Iowa		Rock Springs, Pennsylvania	
Variety	Yield (T/A)	Variety	Yield (T/A)	Variety	Yield (T/A)	Variety	Yield (T/A)
WL 319 HQ	8.73	WL 319 HQ	7.53	WL 319 HQ	15.80	WL 319 HQ	11.67
Ascend	8.60	Somerset	7.40	Magnum V	15.46	Mariner	10.47
Pioneer 5312	8.37	TMF Multiplier 3	7.36	Affinity +Z	15.11	Affinity +Z	10.24
Harvestar 812HY	8.19	Magnum V-Wet	7.16	Pioneer 5312	14.93	Pioneer 53Q60	10.20
Oneida VR	8.17	DK 124	7.06	Pioneer 53Q60	14.81	Pioneer 54H69	9.77
Vernal	7.87	Pioneer 53Q60	6.97	Oneida VR	14.28		
		Vernal	6.58				

La Crosse, Wisconsin	
Variety	Yield (T/A)
WL 319 HQ	16.09
Magnum V	14.34
Pioneer 53Q60	13.95
Affinity +Z	13.35
Oneida VR	12.98
Pioneer 54H69	11.94

Marshfield, Wisconsin	
Variety	Yield (T/A)
WL 319 HQ	11.39
Affinity +Z	10.55
Magnum V	10.49
Pioneer 53Q60	10.29
Oneida VR	9.57

WL319HQ

Proven in University and regional tests all across the country, WL 319 HQ consistently delivers exceptional yields and outstanding feed value. WL 319 HQ also provides producers with the highest levels of cold tolerance and winterhardiness available in the WL lineup today. And when fed to dairy or beef cattle, WL 319 HQ easily beats the competition in head-to-head comparisons for palatability, digestibility, and overall profitability.

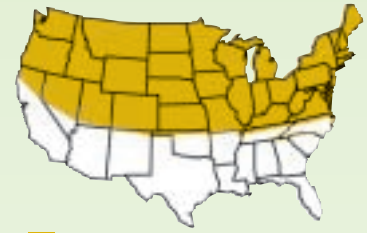
WL 319 HQ Advantages:

- Very high-yielding under both 3- and 4-cut harvest managements.
- Group 1.3 winterhardiness and Group 2.8 fall dormancy delivers fast recovery after cutting, high yields, long stand life, and superior cold tolerance.

- Proven ability to “hold” high forage quality over a longer period of time; WL 319 HQ delivers higher forage quality and greater harvest flexibility with less risk of damaged hay or haylage when harvest is delayed.
- A “perfect” disease resistance index (DRI) of 30/30 and strong resistance to insects and nematodes provides for big yields and long stand life across a wide range of soil types and climates.
- Superior ration economics for both dairy and beef: high forage yield plus high feed quality delivers significantly greater profitability when fed.
- WL 319 HQ consistently beats the competition in head-to-head digestibility and feed value comparisons.
- Excellent medium maturity companion variety to WL 327 and WL 342.
- Dark green, fine-stemmed, and highly digestible.
- Fast recovery after cutting and outstanding winterhardiness allows intensive harvest management for maximum quality and yield with no sacrifices in stand life.



WL319 HQ



■ Area of Primary Adaptation

FORAGE QUALITY AND MILK ECONOMICS

Boone, Iowa

Variety	%CP	%IVTD*	\$ Per Acre
WL 319 HQ	23.4	79.4	\$2,444
Geneva	22.6	78.1	\$2,388
Magnum V	21.9	76.2	\$2,228
Pioneer 53Q60	21.9	78.2	\$2,208

WL 319 HQ beat Magnum V by \$216 per acre!

La Crosse, Wisconsin

Variety	%CP	%IVTD*	\$ Per Acre
WL 319 HQ	22.3	77.1	\$2,430
Magnum V	20.6	75.1	\$2,156
Affinity +Z	21.8	75.2	\$2,075
Pioneer 53Q60	21.0	74.9	\$2,063

WL 319 HQ beat Pioneer 53Q60 by \$367 per acre!

Mt. Joy, Pennsylvania

Variety	%CP	%IVTD*	\$ Per Acre
WL 319 HQ	25.2	82.6	\$2,180
Geneva	25.0	82.4	\$2,112
Magnum V	24.3	81.6	\$2,063
Pioneer 54V54	24.0	81.0	\$1,803

WL 319 HQ beat Pioneer 54V54 by \$377 per acre!

* In Vitro True Digestibility



W-L Research

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Agronomic Traits

Maturity	Medium
Fall Dormancy	2.8
Winterhardiness	1.3
Forage Yield Index	Very High
Persistence Index	Very High
Disease Resistance Index	30/30
Standability	Excellent
Digestibility	Excellent
Recovery After Harvest	Very Fast
Multileaf Expression	78%

Pest Resistance Traits

Bacterial Wilt	HR (82%)
Fusarium Wilt	HR (82%)
Anthracoze	HR (79%)
Phytophthora Root Rot	HR (77%)
Aphanomyces Root Rot	HR (59%)
Verticillium Wilt	HR (74%)
Leaf Disease	R
Aphids	R
Nematodes	MR

HR = High Resistance R = Resistance MR = Moderate Resistance