

Exceptional Winterhardiness and Outstanding Profitability



Penn State University Landisville		University of Minnesota Plainview		Boone, Iowa		University of Wisconsin Marshfield	
Variety	Yield (T/A)	Variety	Yield (T/A)	Variety	Yield (T/A)	Variety	Yield (T/A)
WL 319HQ	12.93	WL 319HQ	7.53	WL 319HQ	15.80	WL 319HQ	9.81
HybriForce-400	12.75	Somerset	7.40	Magnum V	15.46	MultiPlier-3	9.62
Cimarron SR	11.87	TMF Multiplier 3	7.36	Affinity +Z	15.11	HybriForce-400	9.19
Baralfa 53HR	11.67	Magnum V-Wet	7.16	Pioneer 5312	14.93	Pioneer 54H91	8.71
Pioneer 54H91	11.56	DK 124	7.06	Pioneer 53Q60	14.81	Oneida VR	8.47
Vernal	10.16	Pioneer 53Q60	6.97	Oneida VR	14.28	Vernal	8.34
		Vernal	6.58				

Washington State University Othello	
Variety	Yield (T/A)
WL 319HQ	16.1
Pioneer 54Q25	16.0
Vitro	15.7
HybriForce-400	15.0
Reward II	14.5
Vernal	12.4

University of Illinois Freeport	
Variety	Yield (T/A)
WL 319HQ	15.09
Reward II	13.49
Garst 6420	13.40
Pioneer 54V54	13.21
Feast +EV	13.07
Vernal	11.86

WL 319HQ

Proven in University and regional tests all across the country, WL 319HQ consistently delivers exceptional yields and outstanding feed value. WL 319HQ 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 319HQ easily beats the competition in head-to-head comparisons for palatability, digestibility, and overall profitability.

WL 319HQ 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 319HQ 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 provide 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 319HQ consistently beats the competition in head-to-head digestibility and feed value comparisons (“Best In Show” winner at the World Forage Superbowl).
- Excellent medium maturity companion variety to WL 357 HQ.
- 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.



WL 319 HQ



■ Area of Primary Adaptation

Exceptional Feed Value



W-L Research

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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

Agronomic Traits

Maturity	Medium
Fall Dormancy	2.8
Winterhardiness	1.3
Forage Yield Index	Very High
Persistence Index	Very High (8.9)*
Recovery After Harvest	Very Fast (8.6)*
Standability	Excellent
Digestibility	Excellent
Traffic Tolerance	Very Good
Multileaf Expression	78%

* Scored 1 (poorest) to 9 (best)

Pest Resistance Traits

Bacterial Wilt	HR (82%)
Fusarium Wilt	HR (82%)
Anthracnose	HR (79%)
Phytophthora Root Rot	HR (77%)
Aphanomyces Root Rot	HR (59%)
Verticillium Wilt	HR (74%)
Leaf Disease	R
Aphids	R
Nematodes	MR
Disease Resistance Index (DRI)	30/30

HR = High Resistance R = Resistance MR = Moderate Resistance