

Exceptional Forage Quality and Outstanding Winterhardiness



Northfield, Minnesota 2004-2006		Iowa State University Nashua 2006		Nampa, Idaho 2005-2006		West Salem, Wisconsin 2004-2006	
Variety	Yield (T/A)	Variety	Yield (T/A)	Variety	Yield (T/A)	Variety	Yield (T/A)
WL 343HQ	4.29	WL 343HQ	3.78	WL 343HQ	9.93	WL 343HQ	6.73
Expedition	4.13	Pioneer 54V46	3.76	WL 357 HQ	9.66	DKA42-15	6.62
HybriForce-400 Wet	4.12	Pioneer 5454	3.70	Genoa	9.60	Attention	6.61
Attention	4.10	Innovator +Z	3.69	Mountaineer 2.0	9.51	Pioneer 54V46	6.58
Ameristand 403 T	4.01	Garst 6415	3.48	Boulder	8.77	HybriForce-400	6.45
Pioneer 54H91	3.76	Vernal	3.42	HybriForce-400	8.23	Pioneer 54Q25	6.43
		FSG 505	3.35				

Boone, Iowa 2004-2006	
Variety	Yield (T/A)
WL 343HQ	7.00
Genoa	6.69
Rebound 5.0	6.55
DKA42-15	6.53
HybriForce-400	6.49
Pioneer 54V46	6.37

Mount Joy, Pennsylvania 2004-2005	
Variety	Yield (T/A)
WL 343HQ	6.72
Pioneer 54V46	6.37
Phirst	6.07
Ameristand 403T	6.07
Somerset	6.03
HybriForce-400	5.76
Oneida Ultra	5.62

WL 343HQ

Superior feed value and exceptional yield potential make WL 343HQ the alfalfa variety of choice for dairy, beef, and cash hay producers looking to maximize production and profitability in their operations.

WL 343HQ Advantages:

- Superior digestibility produces more milk or beef and greater profitability when fed; **WL 343HQ** consistently beats the competition in head-to-head digestibility comparisons.
- **WL 343HQ** is the highest-quality winterhardy HQ alfalfa W-L has released to date.
- Very high yielding (FD=3.9) under 3-, 4-, and 5-cut harvest managements.
- Very winterhardy (WH=1.7); **WL 343HQ** delivers long stand life even under the toughest weather conditions.
- Proven ability to “hold” high feed value in the field over a longer period of time; **WL 343HQ** delivers higher forage quality and greater harvest flexibility with less risk of rain damage to hay and haylage when harvest is delayed.
- A “perfect” disease resistance index (DRI) of 30/30 and strong resistance to insects and nematodes produces big yields and long stand life across a wide range of soil types.
- Very fast recovery after cutting and superior standability encourages intensive harvest management; **WL 343HQ** produces higher yields and higher quality forage more often with less risk.
- Dark green, fine-stemmed, and highly palatable.
- Excellent early maturing companion variety to WL 319HQ.
- Very well-adapted for use in the Midwestern, Northeastern, Northwestern, and Central Plains regions of the U.S. for hay and haylage uses.



WL 343HQ

The Forage Quality Leader



■ Area of Primary Adaptation

Our newest winterhardy HQ (high quality-selected) alfalfa, WL 343HQ carries on in the great tradition set by WL 325HQ and WL 357HQ: Very high yield potential, outstanding winterhardiness, and unmatched forage quality and feed value set WL 343HQ apart from the competition.

West Salem, Wisconsin

Variety	%CP	%IVTD*	RFQ**	\$ Per Acre
WL 343HQ	22.4	79.8	159	\$2,308
WL 357HQ	22.4	78.5	147	\$2,278
Attention	22.4	78.8	149	\$2,077
HybriForce-400	22.0	78.8	148	\$2,048
Pioneer 54V46	20.9	77.4	138	\$2,004

Mount Joy, Pennsylvania

Variety	%CP	%IVTD*	RFQ**	\$ Per Acre
WL 343HQ	22.8	81.4	175	\$2,975
Pioneer 54V46	21.6	79.1	158	\$2,771
WL 357HQ	23.2	80.4	168	\$2,581
Attention	22.8	80.0	161	\$2,559
HybriForce-400	22.1	80.1	165	\$2,462

Buck Creek, Indiana

Variety	%CP	%IVTD*	RFQ**	\$ Per Acre
WL 343HQ	22.4	82.2	174	\$2,293
Pioneer 54V46	21.3	80.3	152	\$2,248
Attention	20.6	79.5	145	\$2,190
HybriForce-400	21.4	80.8	161	\$1,947

* In Vitro True Digestibility

** Relative Forage Quality



W-L Research

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Agronomic Traits

Maturity	Early
Fall Dormancy	3.9
Winterhardiness	1.7
Forage Yield Index	Very High
Digestibility/Feed Value	Superior
Persistence Index	Very High
Disease Resistance Index	30/30
Recovery After Harvest	Very Fast
Traffic Tolerance	Very Good
Standability	Excellent
Multileaf Expression	Very High (78%)

Pest Resistance Traits

Bacterial Wilt	HR (60%)
Fusarium Wilt	HR (60%)
Anthraxnose	HR
Phytophthora Root Rot	HR (61%)
Aphanomyces Root Rot	HR (59%)
Verticillium Wilt	HR (54%)
Leaf Disease	R
Aphids	HR
Nematodes (Stem, Root Knot)	R
Disease Resistance Index (DRI)	30/30

HR = High Resistance R = Resistant