



## Dormant Alfalfas – Agronomic and Pest Resistance Traits

Trait	WL 319HQ	WL 335HQ	WL 347LH <i>New</i>	WL 348AP	WL 357HQ	Dairy Choice Blend
Fall Dormancy	2.8	3.8	4.1	3.5	4.7	3.3
Winterhardiness	<b>1.3</b>	1.5	2.8	1.8	1.6	2.3
Feed Value (Digestibility)	<b>VH</b>	VH	H	H	VH	H
Recovery After Cutting	F	EF	F	EF	<b>EF</b>	F
Phytophthora Root Rot	HR	HR	HR	<b>HR</b>	HR	R
Verticillium Wilt	<b>HR</b>	HR	HR	HR	HR	R
Anthracnose	HR	<b>HR</b>	HR	HR	HR	MR
Bacterial Wilt	<b>HR</b>	HR	HR	HR	HR	R
Fusarium Wilt	HR	<b>HR</b>	HR	HR	HR	R
Aphanomyces Race 1	HR	HR	HR	<b>HR</b>	HR	MR
Aphanomyces Race 2	NR	NR	NR	<b>HR</b>	NR	NR
Potato Leafhopper	NR	NR	<b>HR</b>	NR	NR	NR
Pea Aphid	R	R	MR	R	<b>HR</b>	NR
Total DRI	30/30	30/30	30/30	<b>35/35</b>	30/30	22/30

### RATINGS:

Fall Dormancy: 1=Most Dormant; 9=Least Dormant

Winterhardiness: 1=Most Hardy; 9=Least Hardy

Feed Value (Digestibility): H=High; VH=Very High

Recovery After Cutting: EF=Extremely Fast; F=Fast

HR=Highly Resistant; R=Resistant; MR=Moderately Resistant; NR=Not Rated

DRI=Disease-Resistance Index

Bold=Best expression of trait in lineup

## NON-DORMANT ALFALFAS

The W-L Research breeding program located throughout the major alfalfa production areas of the western United States turns out high-yielding, non-dormant varieties while focusing on issues (e.g., persistence) unique to growers of winter-active alfalfas.

Under intensive harvesting, non-dormant alfalfa stands may last only two years. This level of persistence is unacceptable. W-L Research's non-dormant breeding program is focused on delivering high-yielding, elite varieties that can be cut seven to 11 times a year and still yield three to four years of production.

Another goal of the W-L Research non-dormant breeding program is to develop varieties with a high level of resistance to the three major types of aphids found in the West: blue, pea and spotted. While some breeders try to get by with lower resistance to one or more of these insects, W-L Research has an ironclad resolve to release only varieties with high resistance to all three aphids.

Another major focus of the W-L Research non-dormant program is to develop and release varieties with high resistance to stem and root-knot nematodes.

## Non-dormant Alfalfa

	Variety			
	WL 442	WL 530HQ	WL 535HQ <i>NEW</i>	WL 625HQ
Fall Dormancy	6.8	7.8	8.2	9.2
Feed Value (Digestibility)	H	<b>VH</b>	VH	VH
Hay Quality (% TDN)	H	VH	VH	<b>VH</b>
Spotted Aphid	HR	HR	<b>HR</b>	HR
Pea Aphid	<b>HR</b>	HR	HR	HR
Blue Aphid	HR	HR	HR	<b>HR</b>
Phytophthora Root Rot	HR	<b>HR</b>	HR	HR
Fusarium Wilt	HR	<b>HR</b>	HR	HR
Stem Nematode	<b>HR</b>	R	R	R
Root-Knot Nematode	HR	R	R	<b>HR</b>

### RATINGS:

Fall Dormancy: 1=Most Dormant; 9=Least Dormant

Feed Value (Digestibility): H=High; VH=Very High

HR=Highly Resistant; R=Resistant

Bold=Best expression of trait in lineup