

Selecting Alfalfa Varieties for Nebraska 2008

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Yield potential, winter survival and fall dormancy, pest resistance, and seed price should be considered when selecting alfalfa varieties in Nebraska.

The choice of alfalfa variety affects production for three to 10 or more years. Many alfalfa varieties are available from private and public plant breeders. Over the years, yield trials conducted at widely distributed Nebraska locations have tested most varieties sold in the state.

The originator or distributor of each variety is listed in *Tables I and II* as a source of seed information. Public varieties usually are available in certified seed channels. Some varieties may be difficult to obtain due to low seed supply or limited distribution. Only buy seed of certified quality to assure genetic identity of the variety and avoid planting common seed for forage production.

Select alfalfa varieties using these main criteria:

1. yield potential
2. winter survival and fall dormancy
3. pest resistance
4. seed price

Use *Tables I and II* to identify high yield varieties adapted to your area. Then, select from this list those varieties with desirable winter survival, fall dormancy and pest resistance. Next, use *Table III* to identify sources of seed. Finally, compare seed price.

Fall Dormancy (FD) and Winter Survival (WS)

Low dormancy ratings identify varieties that tend to begin growth later in spring, have slower regrowth after harvest and grow slowly in the fall. Slow fall growth once was considered desirable for developing winter hardiness, but some recently released varieties have both high winter survival (lower WS rating) and faster fall growth (higher FD rating).

Resistance to Disease

Bacterial wilt. Historically, this has been the primary disease of alfalfa in Nebraska. All varieties listed in this publication have sufficient bacterial wilt resistance for most long-term stands.

Anthracnose. Anthracnose is a fungal disease often occurring in alfalfa under irrigation or high moisture conditions. Select varieties with anthracnose resistance.

Phytophthora root rot. Phytophthora root rot is a serious disease, especially on poorly drained soils. It can make stand

establishment difficult and often kills young seedlings during wet seasons. It also can reduce the productivity and longevity of established stands.

Other diseases. Common leafspot, lepto leafspot and black-stem are foliar diseases that cause leaf losses and reduce alfalfa yield and quality. Fusarium wilt and verticillium wilt have not caused severe problems in Nebraska.

Varieties listed in *Tables I and II* have been developed with resistance to many of these diseases. In Nebraska, select varieties that at least have resistance to anthracnose, phytophthora root rot and bacterial wilt.

Resistance to Insects

Insects can cause losses in hay yield and quality, stand establishment and persistence. Varieties with high levels of resistance to pea aphids or spotted alfalfa aphids, or both, are available. Tolerance to potato leaf hoppers also is available in a few varieties.

Grazing Tolerance

Alfalfa varieties are available that will persist longer under grazing than most other varieties. Grazing tolerant varieties still can cause bloat. No alfalfa varieties currently recommended for Nebraska have reduced bloat potential.

Alfalfa Yields

Table I lists varieties that have been tested in Nebraska with commercial seed for two or more years since 1995 and are marketed in the state. Data collected from these varieties since 1987 are included in the table. Yield comparisons are relative to production from the check varieties Vernal and Wrangler included in the same tests. A yield of 115 percent indicates that the variety produced 15 percent more yield than the average yield of Vernal and Wrangler. Each station year represents data from one location during one year. Greater confidence can be placed in data from four or more station years. Small yield differences (2 percent or 3 percent) may be due to natural variation, especially for varieties tested three station years or less.

The ratings of varieties tested only two years often change substantially with additional testing. Results from alfalfa variety tests are available annually at <http://varietytest.unl.edu/alfalfa.html>.

Table I. Characteristics and relative yields (percent) of alfalfa varieties in selected Nebraska tests, 1995-2006.

Variety	Originator or Distributor	Pest Resistance									Northeast		Platte Valley		East Central		Panhandle	
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	S/Y	%	S/Y	%	S/Y	%	S/Y	%
620	Garst Seed Co.	2	2.5	HR	HR	HR	HR	R	-	MR	3	103	-	-	3	113	-	-
630	Garst Seed Co.	4	-	HR	MR	R	R	MR	-	R	4	103	-	-	20	109	2	109
631	Garst Seed Co.	4	2.0	HR	R	HR	HR	R	R	HR	6	105	2	108	15	111	2	108
645	Garst Seed Co.	3	-	HR	HR	HR	R	R	-	R	5	97	4	106	13	108	-	-
6410	Garst Seed Co.	4	1.0	HR	HR	HR	HR	HR	R	R	-	-	3	103	3	102	-	-
6420	Garst Seed Co.	4	2.0	HR	R	HR	HR	R	R	R	-	-	15	123	6	106	2	105
6530	Garst Seed Co.	5	-	HR	HR	HR	HR	HR	-	HR	3	102	-	-	7	110	2	113
9429	LG Seeds	4	-	HR	HR	HR	HR	R	R	R	-	-	3	105	4	106	-	-
9701	Geertson Seed Farm	3	-	R	R	R	R	R	-	R	-	-	3	103	-	-	-	-
3452ML	LL Olds	3	-	HR	HR	HR	HR	R	-	R	2	105	2	107	12	108	-	-
4A421	Mycogen Seeds	4	2.5	HR	HR	HR	HR	HR	R	R	-	-	-	-	-	-	2	114
51M143	Mycogen Seeds	5	-	HR	HR	HR	HR	HR	-	-	-	-	-	-	-	-	2	119
53Q60	Pioneer Hi-Bred	3	3.0	HR	HR	HR	R	R	-	MR	-	-	-	-	3	103	2	97
53V08	Pioneer Hi-Bred	3	2.0	HR	HR	HR	HR	HR	R	HR	3	112	3	100	9	103	2	118
54H46	Pioneer Hi-Bred	4	-	R	HR	HR	HR	R	R	R	-	-	3	108	3	112	-	-
54H69	Pioneer Hi-Bred	4	-	R	HR	HR	HR	R	-	-	-	-	-	-	3	106	-	-
54H91 ^P	Pioneer Hi-Bred	4	3.0	HR	HR	HR	R	HR	HR	R	-	-	-	-	8	104	-	-
54Q25	Pioneer Hi-Bred	4	-	HR	HR	HR	HR	HR	R	R	3	103	-	-	5	109	2	110
54Q53	Pioneer Hi-Bred	4	-	HR	R	HR	R	HR	MR	MR	3	106	3	97	9	103	2	110
54V46	Pioneer Hi-Bred	4	3.0	R	HR	HR	HR	HR	R	R	4	102	-	-	8	113	2	118
5-Star	Croplan Genetics	5	3.0	R	R	R	HR	R	R	R	-	-	3	113	-	-	-	-
6400HT ^G	Garst Seed Co.	4	2.0	HR	HR	HR	HR	HR	-	HR	3	98	-	-	7	110	2	109
A 30-06 ^G	Producers Hybrids	3	2.0	HR	HR	HR	HR	HR	-	R	6	103	-	-	5	106	-	-
A 4440	Producer's Choice	4	1.5	HR	HR	HR	HR	HR	-	R	-	-	-	-	2	110	-	-
A-395	Producer's Choice	3	-	HR	HR	HR	HR	R	-	MR	-	-	-	-	4	107	2	109
Abilene +Z	America's Alfalfa	5	-	HR	HR	HR	HR	HR	-	HR	-	-	3	104	-	-	-	-
Abound	Monsanto/Dekalb	3	-	HR	HR	HR	HR	HR	HR	HR	-	-	3	105	7	102	-	-
ABT350	W-L Research	3	-	HR	HR	HR	HR	HR	R	R	-	-	-	-	3	107	-	-
ABT400SCL	Allied Seed	4	-	HR	HR	HR	HR	HR	R	R	-	-	-	-	3	103	-	-
Abundance	Cascade Hybrid	4	3.5	HR	R	HR	HR	R	R	R	-	-	-	-	3	105	-	-
Ace	W-L Research	4	-	HR	HR	HR	HR	R	-	R	3	94	-	-	6	104	-	-
Affinity +Z	America's Alfalfa	4	2.5	HR	HR	HR	HR	HR	-	R	3	106	3	105	3	107	-	-
Alfalfa Leaf II	Monsanto/Dekalb	4	-	R	HR	HR	HR	R	-	-	2	99	-	-	8	103	2	105
AlfaStar	Hoffman Seed/The Sexauer Co.	4	-	HR	HR	HR	HR	R	R	HR	-	-	-	-	7	103	-	-
Alpha 2001	W-L Research	4	-	HR	HR	HR	HR	HR	R	R	2	101	-	-	4	102	-	-
Alpine II	Oasis Seed Cooperative	2	-	HR	R	HR	HR	R	R	R	-	-	-	-	4	106	-	-
AmeriGraze 401 +Z	America's Alfalfa	4	-	HR	HR	HR	HR	R	-	R	-	-	-	-	6	104	4	109
AmeriGuard 302 +Z	America's Alfalfa	3	-	HR	HR	HR	HR	HR	-	R	-	-	-	-	3	98	-	-
AmeriStand 403T ^G	America's Alfalfa	4	2.0	HR	HR	HR	HR	HR	MR	R	-	-	-	-	-	-	2	102
Arapaho	Dairyland Seed Co.	3	2.0	HR	HR	HR	HR	R	-	MR	3	98	-	-	5	104	-	-

Table I. continued.

Variety	Originator or Distributor	Pest Resistance										Northeast		Platte Valley		East Central		Panhandle	
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	S/Y	%	S/Y	%	S/Y	%	S/Y	%	
Arrowhead	Tri-West, Inc.	2	2.0	HR	R	HR	HR	R	R	R	5	99	-	-	3	112	-	-	
Aspen	Superior/Fonantelle Hybrids	4	-	HR	HR	HR	HR	R	-	HR	-	-	-	-	4	104	-	-	
Avalanche +Z	America's Alfalfa	2	2.5	HR	HR	HR	HR	HR	-	R	-	-	2	102	-	-	2	114	
Award	Monsanto/Dekalb	4	-	HR	HR	HR	HR	HR	-	HR	-	-	3	104	7	109	-	-	
Awesome	LG Seeds	4	-	HR	HR	HR	HR	HR	-	R	-	-	-	-	3	99	-	-	
Baralfa 32IQ	Barenbrug	3	3.0	HR	HR	HR	HR	R	-	R	-	-	-	-	3	97	-	-	
BPR 380	Dairyland Seed Co.	3	-	HR	R	HR	HR	R	-	-	-	-	-	-	3	114	-	-	
Choice	Allied Seed	4	-	HR	R	HR	R	HR	-	MR	-	-	-	-	4	104	-	-	
CK2000	Cimarron USA	4	-	HR	HR	HR	HR	HR	MR	HR	-	-	-	-	3	84	-	-	
Columbia 2000	Kaltenberg Seed Farm	4	3.0	R	LR	LR	R	R	-	MR	-	-	-	-	3	104	-	-	
Complete	Arrow Seed/Fontanelle Hybrids	3	3.0	HR	HR	HR	HR	HR	-	R	3	104	-	-	7	104	2	110	
Crystal	Producer's Choice	4	-	HR	R	HR	HR	R	-	R	-	-	-	-	11	109	-	-	
Dakota	Grassland Central	4	3.5	R	MR	HR	R	MR	-	R	-	-	3	116	3	96	-	-	
Defense +EV	Garst Seed Co.	3	-	HR	HR	HR	HR	HR	-	R	3	96	-	-	-	-	-	-	
Demand	Garst Seed Co.	3	-	HR	HR	HR	HR	HR	-	R	-	-	2	101	4	104	-	-	
Depend +EV	Garst Seed Co.	4	-	HR	HR	HR	HR	HR	-	HR	5	107	-	-	7	107	2	113	
DK 127	Monsanto/Dekalb	3	3.0	HR	HR	HR	R	R	-	HR	2	104	3	105	4	104	2	110	
DK 133	Monsanto/Dekalb	4	-	HR	HR	HR	HR	R	R	R	5	98	2	111	18	107	2	110	
DK 134	Monsanto/Dekalb	3	2.5	HR	HR	HR	HR	HR	-	R	-	-	3	104	3	103	2	114	
DK 140	Monsanto/Dekalb	4	2.5	HR	HR	HR	HR	HR	-	R	3	107	3	105	6	108	-	-	
DK 141	Monsanto/Dekalb	4	-	HR	HR	HR	HR	HR	-	R	3	103	-	-	6	102	-	-	
DK 142	Monsanto/Dekalb	4	-	HR	HR	HR	HR	HR	-	HR	3	112	3	105	9	102	2	108	
DK 143	Monsanto/Dekalb	4	-	HR	HR	HR	HR	HR	-	HR	3	100	-	-	3	103	-	-	
DKA 33-16	Monsanto/Dekalb	3	1.0	HR	HR	HR	HR	HR	R	R	3	101	-	-	-	-	-	-	
DKA 42-15	Monsanto/Dekalb	4	2.5	HR	HR	HR	HR	HR	R	HR	-	-	-	-	3	105	2	111	
DKA 50-18	Monsanto/Dekalb	5	-	HR	HR	HR	HR	HR	R	R	3	96	-	-	-	-	-	-	
Dominator	Garst Seed Co.	4	-	HR	HR	HR	HR	R	-	R	8	103	-	-	15	108	-	-	
DU 200	Cimarron USA	5	-	HR	HR	HR	HR	MR	HR	HR	-	-	-	-	3	104	-	-	
Emperor	Forage Genetics	4	2.5	HR	HR	HR	HR	HR	-	R	-	-	-	-	6	100	-	-	
Empire	Brunner Seed	2	2.5	HR	HR	HR	HR	R	-	-	-	-	-	-	4	105	-	-	
Enhancer	Fontanelle Hybrids	4	2.5	HR	R	R	HR	HR	-	R	2	112	3	103	11	111	-	-	
Escalade	Albert Lea Seed House	5	-	HR	R	HR	R	R	MR	-	-	-	-	-	2	85	-	-	
Evermore	Allied Seed	5	2.0	HR	HR	HR	HR	HR	HR	R	-	-	-	-	2	98	-	-	
Excel	Dairyland Seed Co.	4	-	HR	R	HR	HR	R	R	R	-	-	-	-	3	112	-	-	
Feast	Forage Genetics	3	-	HR	HR	HR	HR	R	-	MR	3	106	-	-	-	-	-	-	
Feast +EV	Garst Seed Co.	3	2.0	HR	R	HR	HR	HR	-	MR	3	108	6	106	12	101	4	111	
FK421	Donely Seed Co.	4	-	HR	HR	HR	HR	HR	-	R	-	-	-	-	3	102	-	-	
FSG 351	Allied Seed	3	2.0	HR	R	HR	HR	R	R	HR	-	-	-	-	5	106	2	112	
FSG 406	Allied Seed	4	2.0	HR	HR	HR	HR	HR	-	R	-	-	-	-	3	92	-	-	
FSG 408 DP	Allied Seed	4	-	HR	HR	HR	HR	R	-	R	-	-	-	-	5	104	-	-	

Table I. continued.

Variety	Originator or Distributor	Pest Resistance										Northeast		Platte Valley		East Central		Panhandle	
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	S/Y	%	S/Y	%	S/Y	%	S/Y	%	
FSG 505	Allied Seed	5	2.0	HR	HR	HR	HR	HR	R	R	-	-	-	-	4	95	-	-	
Geneva	NK Brand/Syngenta Seeds	4	2.5	HR	HR	HR	HR	HR	-	R	-	-	3	104	6	102	-	-	
GH 711	Golden Harvest Seeds, Inc.	3	2.0	HR	HR	HR	HR	HR	-	R	3	98	-	-	2	94	-	-	
GH 750	Golden Harvest Seeds, Inc.	4	-	HR	HR	HR	HR	HR	R	R	-	-	3	101	3	89	-	-	
GH 766	Golden Harvest Seeds, Inc.	3	-	HR	HR	HR	HR	R	-	R	-	-	3	104	7	108	2	107	
GH 797	Golden Harvest Seeds, Inc.	3	-	HR	HR	HR	HR	HR	-	HR	-	-	-	-	4	107	-	-	
GoldLeaf	Dairyland Seed Co.	3	3.0	HR	R	HR	HR	R	-	R	3	101	-	-	2	100	-	-	
GoldPlus	Producer's Choice	4	-	HR	HR	HR	HR	R	-	HR	-	-	-	-	3	98	2	107	
Good as Gold	Hoegemeyer Hybrids	4	-	HR	R	HR	HR	R	-	HR	2	103	2	112	-	-	2	107	
Grandeur	Wilson Genetics	3	2.0	HR	HR	HR	HR	-	-	-	-	-	-	3	105	-	-		
Greenfield	Hoegemeyer Hybrids	3	-	HR	HR	HR	HR	R	-	HR	2	92	-	-	8	100	-	-	
Hybri+421	NC+ Hybrids	4	2.0	HR	HR	HR	HR	R	R	R	-	-	-	-	3	106	-	-	
Hybriforce400	Dairyland Seed Co.	4	3.0	HR	R	HR	HR	R	HR	R	-	-	3	114	6	109	2	105	
Hybriforce-420/Wet	Dairyland Seed Co.	4	3.0	HR	R	HR	HR	R	R	R	3	103	-	-	4	121	2	111	
Imperial	Forage Genetics	3	-	HR	HR	HR	HR	R	-	HR	3	94	-	-	7	103	-	-	
Innovator+Z	America's Alfalfa	3	2.5	HR	HR	HR	HR	HR	MR	R	2	102	3	105	4	106	2	113	
Integrity	Producer's Choice	4	2.5	HR	HR	HR	HR	HR	-	-	-	-	-	-	2	88	-	-	
Jade II	NC+ Hybrids	4	-	HR	R	HR	HR	R	R	R	6	108	-	-	8	109	2	112	
Jade III	NC+ Hybrids	4	2.0	HR	HR	HR	HR	R	R	R	-	-	-	-	3	117	2	112	
Journey Brand 204	Arrow Seed/Fontanelle Hybrids	4	-	HR	HR	HR	HR	R	-	-	3	103	3	112	5	94	-	-	
Legendairy 2.0	Croplan Genetics	3	3.0	HR	HR	HR	HR	R	-	HR	-	-	-	-	4	102	-	-	
Lightning II	Jung Seed Genetics	4	-	HR	HR	HR	HR	R	-	MR	-	-	-	-	3	106	-	-	
Macon	Allied Seed	4	-	HR	HR	HR	HR	HR	-	HR	-	-	-	-	3	108	2	106	
Magnum IV	Dairyland Seed Co.	4	2.0	HR	R	HR	HR	R	-	R	-	-	2	105	8	106	-	-	
Magnum V	Dairyland Seed Co.	4	2.0	HR	R	HR	HR	R	R	R	-	-	3	103	6	103	2	117	
Marvel	Albert Lea Seed House	4	-	HR	HR	HR	HR	HR	R	R	-	-	-	-	2	87	-	-	
Masterpiece	J.R. Simplot Company	4	3.0	HR	HR	HR	HR	R	R	-	3	99	3	112	-	-	2	110	
Maximizer	Taylor Seed	4	1.0	HR	HR	HR	HR	HR	R	-	3	100	-	-	-	-	-	-	
Meadowlark	Blue River Hybrids	4	-	HR	R	HR	HR	R	-	R	-	-	-	-	2	86	-	-	
MultiQueen	Miller Seed and Supply Co.	4	-	HR	HR	HR	HR	R	R	HR	-	-	-	-	7	97	-	-	
Notice II	Crow's Hybrids	4	-	HR	HR	HR	HR	HR	HR	-	3	98	-	-	-	-	-	-	
Paramount	Chemgro Seeds	3	-	HR	HR	HR	HR	R	-	R	2	95	-	-	-	-	2	102	
Pasture Plus	Producer's Choice	3	-	HR	R	HR	HR	R	-	R	-	-	-	-	3	104	-	-	
Perfect	Grassland Central	4	-	HR	HR	HR	HR	HR	R	R	-	-	3	111	-	-	-	-	
Perry	NE AES/USDA	3	-	R	LR	MR	R	S	-	R	15	102	15	106	26	103	6	105	
Persist	Kaltenberg Seed Farm	4	3.5	HR	R	HR	HR	R	-	R	-	-	2	112	4	108	-	-	
Phirst	Dairyland Seed Co.	4	2.0	HR	HR	HR	HR	R	R	R	3	105	-	-	2	100	-	-	
Power 4.2	Grassland Central	4	-	HR	HR	HR	HR	R	R	R	3	96	-	-	2	97	-	-	
Prism II	Midwest Seed Genetics	3	-	HR	HR	HR	HR	R	-	HR	3	104	-	-	7	117	-	-	
Pristine	Trelay Seeds	4	-	HR	HR	HR	HR	HR	R	HR	-	-	-	-	3	98	2	113	

Table I. continued.

Variety	Originator or Distributor	Pest Resistance									Northeast		Platte Valley		East Central		Panhandle	
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	S/Y	%	S/Y	%	S/Y	%	S/Y	%
ProGro	Renze Hybrids	4	-	HR	HR	HR	HR	R	R	R	-	-	2	102	3	105	2	122
Prolific	Dairyland Seed Co.	3	3.0	HR	R	HR	HR	R	-	-	3	103	-	-	2	99	-	-
Proof	Peterson Seed Co.	3	-	HR	HR	HR	HR	R	R	R	2	102	-	-	-	-	-	-
Radiant	Ampac Seed	4	-	HR	HR	HR	HR	HR	-	R	-	-	-	-	3	101	-	-
Rainier	NK Brand/Syngenta Seeds	3	3.0	HR	HR	HR	HR	R	-	HR	3	111	-	-	-	-	2	108
Rebound 4.2	Croplan Genetics	4	2.0	HR	HR	HR	HR	HR	R	R	-	-	6	106	3	106	2	108
Rebound 5.0	Croplan Genetics	4	2.5	HR	HR	HR	HR	HR	R	-	-	-	-	-	2	88	-	-
Reliance	FS Growmark	3	-	HR	HR	HR	HR	HR	-	R	-	-	-	-	-	-	2	107
Reward	Producers Hybrids	4	-	HR	R	HR	HR	R	-	HR	2	102	2	111	10	109	-	-
Reward II	Producer's Choice	4	2.0	HR	R	HR	HR	R	R	R	-	-	-	-	6	98	-	-
Rhino	Geertson Seed Farm	3	-	HR	R	R	R	R	-	HR	3	104	3	100	4	107	2	109
Ripin	Dairyland Seed Co.	4	-	HR	R	HR	HR	R	-	R	-	-	-	-	3	110	-	-
Rustler II	Forage Genetics	4	-	HR	HR	HR	HR	HR	-	HR	-	-	-	-	7	105	-	-
Safeguard	Allied Seed	3	-	HR	HR	HR	HR	R	-	R	-	-	-	-	3	99	-	-
Samurai	Forage Genetics	3	-	HR	HR	HR	HR	R	-	R	-	-	-	-	3	103	-	-
Spartan	Allied Seed	3	-	HR	HR	HR	HR	R	-	-	2	96	-	-	4	98	-	-
Spirit	Producer's Choice	3	3.0	HR	R	HR	HR	R	-	R	-	-	-	-	4	112	2	109
Spur	Allied Seed	4	-	HR	HR	HR	HR	R	-	-	3	100	-	-	3	107	-	-
Stetson II+	Producer's Choice	4	-	HR	R	HR	HR	R	-	-	-	-	-	-	7	110	2	106
SummerGold	Tri-West, Inc.	4	-	HR	HR	HR	HR	HR	-	R	-	-	3	109	-	-	-	-
Synergy	Crow's Hybrid	-	-	HR	HR	HR	HR	R	-	MR	-	-	-	-	3	104	-	-
Target II	Bio-Plant Research	4	-	HR	R	R	R	R	-	-	-	-	4	114	9	105	-	-
Target II+	Producers Hybrids	3	-	HR	R	HR	HR	R	-	R	3	109	3	108	6	111	2	102
Total +Z	America's Alfalfa	3	-	HR	HR	HR	HR	R	-	R	2	95	2	112	-	-	-	-
Trophy	Geertson Seed Farms	4	-	R	R	HR	HR	R	-	-	3	105	-	-	-	-	-	-
Trump	Ottilie Seed	3	-	HR	HR	HR	HR	R	-	R	-	-	3	102	6	111	-	-
Trump II	Ottilie Seed	4	-	HR	HR	HR	HR	HR	-	R	3	97	-	-	-	-	-	-
US A4230	United Suppliers	4	-	HR	HR	HR	HR	HR	R	R	-	-	-	-	3	108	2	106
Vernal	Public	2	2.0	R	S	S	MR	S	-	S	19	100	15	98	34	99	8	101
Viking 1	NK Brand/Syngenta Seeds	2	3.5	R	R	R	HR	HR	-	MR	5	97	2	109	8	108	-	-
Wetland	Dairyland Seed Co.	3	-	R	R	HR	R	MR	-	-	-	-	-	-	7	117	-	-
Wintercrown	Ampac Seed	3	-	HR	R	HR	HR	R	-	-	-	-	-	-	3	108	-	-
WL 232HQ	W-L Research	2	3.0	HR	HR	HR	HR	HR	R	R	-	-	-	-	3	102	8	103
WL 252HQ	W-L Research	2	-	HR	HR	HR	HR	R	-	R	2	99	-	-	-	-	-	-
WL 319HQ	W-L Research	3	2.0	HR	HR	HR	HR	HR	R	HR	3	97	3	106	5	91	8	115

Table I. continued.

Variety	Originator or Distributor	Pest Resistance										Northeast		Platte Valley		East Central		Panhandle	
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	S/Y	%	S/Y	%	S/Y	%	S/Y	%	
WL 324	W-L Research	3	-	HR	HR	HR	HR	R	-	HR	3	110	-	-	3	110	8	106	
WL 325HQ	W-L Research	3	3.0	HR	HR	HR	HR	R	R	R	3	109	3	102	7	102	8	109	
WL 327	W-L Research	4	-	HR	HR	HR	HR	R	R	R	-	-	3	105	-	-	8	107	
WL 335HQ	W-L Research	4	1.0	HR	HR	HR	HR	HR	R	HR	-	-	-	-	3	115	8	116	
WL 342	W-L Research	4	1.0	HR	HR	HR	HR	HR	HR	HR	-	-	3	115	-	-	8	109	
WL 357HQ	W-L Research	5	2.0	HR	HR	HR	HR	HR	-	HR	3	100	-	-	3	110	8	124	
Wrangler	Public	2	-	R	LR	HR	R	LR	-	HR	19	100	15	102	34	101	8	99	
Yielder	Garst Seed Co.	3	-	HR	R	HR	HR	R	-	R	-	-	3	98	3	104	8	100	

P Denotes potato leafhopper resistance
 G Denotes continuous grazing tolerance
 WS = Winter survival index: Based on a scale of 1 to 6. A rating of 1 indicates superior winter survival while a rating of 6 means no winter survival.
 FD = Fall dormancy: Based off a scale of 2 to 10. Low fall dormancy ratings indicate varieties have slower fall regrowth. Varieties with faster fall regrowth have higher dormancy ratings.

S/Y = Station years;
 % = Relative yield compared to the average yield of Vernal and Wrangler;
 blank spaces (-) indicate the variety is susceptible or has not been adequately tested.

Pest Resistance Ratings			
		% Resistant Plants	Resistance Class
Bw	Bacterial Wilt		
An	Anthracnose		
Prr	Phytophthora Root Rot	0-5%	Susceptible (S)
Fw	Fusarium Wilt	6-14%	Low Resistance (LR)
Vw	Verticillium Wilt	15-30%	Moderate Resistance (MR)
Saa	Spotted Alfalfa Aphid	31-50%	Resistant (R)
Pa	Pea Aphid	51 + %	High Resistance (HR)

Table II. Characteristics and relative yields (percent) of alfalfa varieties using experimental generation seed in selected Nebraska tests, 1995-2007. NOTE: Yield performance using experimental seed may not be identical to yield using commercial seed. Experimental seed usually produces higher yield than commercial seed.

Variety	Originator or Distributor	Pest Resistance										Northeast		Platte Valley		East Central		Panhandle	
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	S/Y	%	S/Y	%	S/Y	%	S/Y	%	
Double Eagle	American Seed Co.	4	-	HR	HR	HR	HR	HR	R	MR	3	106	-	-	-	-	-	-	
Good as Gold II	Dairyland Seed Co.	4	-	HR	R	HR	HR	R	-	R	-	-	-	-	3	106	-	-	
Harvstar 812HY	Fielder's Choice Direct	4	-	HR	R	HR	HR	R	R	R	-	-	-	-	3	113	-	-	
Labrador	Dahlco Seeds	4	-	HR	HR	HR	HR	HR	-	R	-	-	-	-	3	107	-	-	
PGI424	Producer's Choice	4	-	HR	HR	HR	HR	-	-	R	3	110	-	-	3	112	-	-	

WS = Winter survival index: Based on a scale of 1 to 6. A rating of 1 indicates superior winter survival while a rating of 6 means no winter survival.
 FD = Fall dormancy: Based on a scale of 2 to 10. Low fall dormancy ratings indicate varieties have slower fall regrowth. Varieties with faster fall regrowth have higher dormancy ratings.

S/Y = Station years;
 % = Relative yield compared to the average yield of Vernal and Wrangler;
 blank spaces (-) indicate the variety is susceptible or has not been adequately tested.^P – Denotes potato leafhopper resistance

Pest Resistance Ratings			
		% Resistant Plants	Resistance Class
Bw	Bacterial Wilt		
An	Anthracnose		
Prr	Phytophthora Root Rot	0-5%	Susceptible (S)
Fw	Fusarium Wilt	6-14%	Low Resistance (LR)
Vw	Verticillium Wilt	15-30%	Moderate Resistance (MR)
Saa	Spotted Alfalfa Aphid	31-50%	Resistant (R)
Pa	Pea Aphid	51 + %	High Resistance (HR)

Table III. Seed sources.

<i>Originator or Distributor</i>	<i>Address</i>	<i>City, State, Zip</i>	<i>Phone</i>
Albert Lea Seed House	1414 West Main St.	Albert Lea, MN 56007	800-352-5247
Allied Seed, LLC	1108 Hilldale Drive	Macon, MO 63552	800-880-8127
American Seed Co.	6051 Carlton Ave.	Spring Grove, PA 17362	800-214-3340
America's Alfalfa	1870 POBox 404	Princeton, IL 61356	800-873-2532
AMPAC Seed Co.	PO Box 318	Tangent, OR 97389	800-547-3230
Arrow Seed Co.	PO Box 722	Broken Bow, NE 68822	800-622-4727
Asgrow/Dekalb	800 North Lindbergh Blvd.	St. Louis, MO 63167	314-694-2335
Banks Seeds	1615 L Avenue	Boone, IA 50036	877-422-6575
Barenbrug USA	PO Box 239	Tangent, OR 97389	800-547-4101
BioPlant Research	PO Box 320	Camp Point, IL 62320	800-593-7708
Blue River Hybrids	27087 Timber Road	Kelley, Iowa 50134	800-370-7979
Brunner Seed	E7110 830th Ave.	Colfax, WI 54730	715-962-4319
Cargill Hybrid Seeds	PO 405, Hwy. 34 West	Seward, NE 68434	800-346-4853
Cascade Hybrid	PO Box 684	Sunnyside, WA 98944	509-830-2443
Chemgro Seeds	PO Box 218	East Petersburg, PA 17520	800-346-4769
Cimarron USA	3624 Kildaire Farm Rd	Apex, NC 27539	800-874-7945
Croplan Genetics	PO Box 64281	St. Paul, MN 55164	800-851-8810
Crow's Hybrids	3100 Sycamore Rd.	Milford, IL 60953	815-758-9120
Dahlco Seeds	14730 15th St SW	Cokato, MN 55321	800-324-5261
Dairyland Seed Co., Inc.	PO Box 958	West Bend, WI 53095	800-236-0163
Dekalb	800 North Lindbergh Blvd.	St. Louis, MO 63167	314-694-2335
Donley Seed Co.	709 E 4th Street	New Albany, IN 47150	812-941-9822
Fielder's Choice Direct	306 North Main Street	Monticello, IN 47960	800-321-3177
Fontanelle Hybrids	10981 8th Street	Fontanelle, NE 68044	800-279-4353
Forage Genetics	PO Box 339	Nampa, ID 83653	800-635-5701
FS Growmark	1701 Tawanda Avenue	Bloomington, IL 61701	309-557-6000
Garst Seed Co.	2369 330th St.	Slater, IA 50244	888-464-2778
Geertson Seed Farms	1665 Burroughs Road	Adrian, OR 97901	800-843-0390
Golden Harvest	PO Box 57	Waterloo, NE 68069	800-228-9906
Grassland Central	16690 Greystone Lane	Jordan, MN 55352	800-323-8605
Hoegemeyer Hybrids	1755 Hoegemeyer Road	Hooper, NE 68031	800-245-4631
Hoffman Seed/The Sexauer Co.	PO Box 850	Norfolk, NE 68701	800-642-6077
J.R. Simplot Seed Co., Inc.	PO Box 70013	Boisie, ID 83707	800-635-9444
Jung Seed Genetics	341 South High Street	Randolph, WI 53956	800-242-1855
Kaltenberg Seed Farms	PO Box 278	Waunakee, WI 53597-0278	800-383-3276
Kaup Seed Co.	PO Box 2218	Norfolk, NE 68701	866-895-7733
Kussmaul Seeds	9020 Highway 18	Mt. Hope, WI 53816	866-587-7628
Legacy Seeds	E664 State Road 54	Waupaca, WI 54981	715-256-9313
L.G. Seeds Inc.	PO Box 637	Tekamah, NE 68061	800-752-6574
LL Olds Seed Co.	PO Box 7790	Madison, WI 53707	608-249-9291
Midwest Seed Genetics	PO Box 391	Harlen, IA 51537	800-369-8218
Midwest Seed Genetics	P.O. Box 518	Carroll, IA 51401	800-369-8218
Miller Hybrids, Inc.	2858 470th Street SW	Iowa City, IA 52240	866-946-2676
Miller Seed and Supply Co., Inc.	327 York Avenue	York , NE 68467	402-362-5516
Mycogen Seeds	Box 4408	St. Paul, MN 55121-1428	800-692-6436
NC+ Hybrids	3820 N 56th Street	Lincoln, NE 68504	800-279-7999
NK Brand Seeds	7500 Olson Memorial Highway	Golden Valley, MN 55427	763-593-7333
Oasis Seed Cooperative	2370 W. 4000 S.	Oasis, UT 84650	800-582-3763
Ottillie Seed	1462 Sandford Avenue	Marshalltown, IA 50158	800-798-6884
Peterson Seed Co., Inc.	P.O. Box 346	Savage, MN 55378	800-328-5898

Table III. continued.

<i>Originator or Distributor</i>	<i>Address</i>	<i>City, State, Zip</i>	<i>Phone</i>
Pioneer Hi-Bred Intl., Inc.	210 Gateway Mall	Lincoln, NE 68505	402-467-5458
Producer's Choice	PO Box 1069	Woodland, CA 95776	866-744-5710
Producers Hybrids	PO Box C	Battle Creek, NE 68715	800-675-3190
Renze Hybrids	27410 Kittyhawk Ave.	Carroll, IA 51401	800-634-2676
Superior/Fonantelle Hybrids	1189 County Road T Blvd	North Bend, NE 68649	402-652-8626
Taylor Seed Farms	2467 Hwy 7	White Cloud, KS 66094	800-742-7473
Trelay Seeds	11623 State Road 80 N	Livingston, WI 53554	800-421-0397
Tri-West, Inc.	PO Box 1688	Twin Falls, ID 83303	208-352-1188
United Seeds	PO Box 27322	Omaha, NE 68127	800-456-9901
United Suppliers, Inc.	30473 260th Street	Eldora, IA 50627	800-782-5123
Wilson Genetics	P.O. Box 391	Harlan, IA 51537	800-747-1200
W-L Research	PO Box 8112	Madison, WI 53708	800-406-7662

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