

Selecting Alfalfa Varieties for Nebraska 2011

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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.

Alfalfa variety selection affects production for three to ten 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. Some varieties may be difficult to obtain due to low seed supply or limited distribution. Only buy seed of certifiable 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 *Table I* 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 II* to identify sources of seed. Finally, compare seed price.

Fall Dormancy (FD) and Winter Survival (WS)

Varieties with low fall dormancy scores tend to begin growth later in spring, have slower re-growth after harvest and produce less growth in the fall. Low fall growth once was considered desirable for developing winter hardiness, but some recently released varieties have both high winter survival (lower WS score) and faster fall growth (higher FD score).

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 the average 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 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://cropwatch.unl.edu/web/varietytest/forages>.

Table I. Characteristics and relative yields (percent) of alfalfa varieties in selected Nebraska tests, 1995-2010.

Variety	Originator or Distributor	Pest Resistance										Testing Location - Region of Nebraska							
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	Northeast		Platte Valley		East Central		Panhandle		
											S/Y	%	S/Y	%	S/Y	%	S/Y	%	
620	Garst Seed Co.	2	2.5	HR	HR	HR	HR	R	-	MR	3	103	-	-	3	103	-	-	
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	-	-	3	114	6	100	2	105	
6530	Garst Seed Co.	5	-	HR	HR	HR	HR	HR	-	HR	3	102	-	-	8	101	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	-	-	-	-	
425RR ^R	Arrow Seed/Simplot Grower Solutions	4	-	HR	HR	HR	HR	HR	-	R	-	-	-	-	3	101	-	-	
4A421	Mycogen Seed	4	2.5	HR	HR	HR	HR	HR	HR	HR	3	108	-	-	-	-	-	-	
4G418RR ^R	Mycogen Seed	4	-	HR	HR	HR	HR	HR	-	-	3	110	-	-	3	102	-	-	
4S419	Mycogen Seed	4	3	HR	HR	HR	HR	HR	R	R	3	108	-	-	3	105	-	-	
5347LH	Pioneer Hi-Bred	3	-	HR	HR	HR	HR	R	-	-	3	103	-	-	-	-	-	-	
53Q30	Pioneer Hi-Bred	3	2.5	HR	HR	HR	HR	HR	-	R	3	104	-	-	3	98	-	-	
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	108	2	118	
54H46	Pioneer Hi-Bred	4	-	R	HR	HR	HR	R	R	R	-	-	3	108	3	102	-	-	
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	-	-	-	-	9	97	-	-	
54Q25	Pioneer Hi-Bred	4	-	HR	HR	HR	HR	HR	R	R	3	103	-	-	5	106	2	110	
54Q53	Pioneer Hi-Bred	4	-	HR	R	HR	R	HR	MR	MR	3	106	3	97	9	107	2	110	
54V46	Pioneer Hi-Bred	4	3.0	R	HR	HR	HR	HR	R	R	6	104	-	-	11	104	2	118	
54V54	Pioneer Hi-Bred	4	2.5	HR	HR	HR	HR	HR	-	.	-	-	3	107	6	99	2	109	
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	-	-	8	101	2	109	
A 30-06 ^G	Producers Hybrids	3	2.0	HR	HR	HR	HR	HR	-	R	6	103	-	-	5	103	-	-	
A 4440	Producer's Choice	4	1.5	HR	HR	HR	HR	HR	-	R	3	108	-	-	3	100	-	-	
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	Ziller Seed Company	4	3.5	HR	R	HR	HR	R	R	R	-	-	-	-	3	107	-	-	
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	103	-	-	
Alpine II	Oasis Seed Cooperative	2	-	HR	R	HR	HR	R	R	R	-	-	-	-	4	106	-	-	

Table I. continued.

Variety	Originator or Distributor	Pest Resistance									Testing Location - Region of Nebraska							
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	Northeast		Platte Valley		East Central		Panhandle	
											S/Y	%	S/Y	%	S/Y	%	S/Y	%
AmeriGraze 401 +Z	America's Alfalfa	4	-	HR	HR	HR	HR	R	-	R	-	-	-	-	3	100	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
Ameristand 407TQ	America's Alfalfa	4	.	HR	HR	HR	HR	HR	-	R	3	107	-	-	-	-	-	-
Arapaho	Dairyland Seed Co.	3	2.0	HR	HR	HR	HR	R	-	MR	3	98	-	-	5	103	-	-
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	108	-	-
Choice	Allied Seed	4	-	HR	R	HR	R	HR	-	MR	-	-	-	-	4	104	-	-
CK2000	Cimarron USA	4	-	HR	HR	HR	HR	HR	MR	HR	-	-	-	-	3	93	-	-
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	Producer's Choice	4	3.5	R	MR	HR	R	MR	-	R	-	-	3	116	3	99	-	-
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	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	2	99	-	-	-	-	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	102	-	-
DKA 33-16	Monsanto/Dekalb	3	1	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	104	2	111
DKA 43-13	Monsanto/Dekalb	4	-	HR	HR	HR	HR	HR	-	HR	-	-	-	-	3	113	-	-
DKA 50-18	Monsanto/Dekalb	5	-	HR	HR	HR	HR	HR	R	R	3	96	-	-	-	-	-	-
DKA41-18RR ^B	Monsanto/Dekalb	4	-	HR	HR	HR	HR	HR	-	-	3	104	-	-	3	101	-	-
Dominator	Garst Seed Co.	4	-	HR	HR	HR	HR	R	-	R	5	107	-	-	4	105	-	-
DU 200	Cimarron USA	5	-	HR	HR	HR	HR	MR	HR	HR	-	-	-	-	3	103	-	-
Emperor	Forage Genetics	4	2.5	HR	HR	H	HR	HR	-	R	-	-	-	-	6	100	-	-
Empire	Brunner Seed	2	2.5	HR	HR	HR	HR	R	-	-	-	-	-	-	4	105	-	-
Enhancer	Arrow Seed/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	-	-	-	-	-	3	100	-	-
Evermore	Allied Seed	5	2	HR	HR	HR	HR	HR	HR	R	-	-	-	-	2	104	-	-
Evolution	Mycogen Seed	2	-	HR	HR	HR	HR	R	-	R	-	-	-	-	-	-	2	109
Excel	Dairyland Seed Co.	4	-	HR	R	HR	HR	R	R	R	-	-	-	-	3	107	-	-
Feast	Forage Genetics	3	-	HR	HR	HR	HR	R	-	MR	3	106	-	-	-	-	-	-
Feast +EV	Garst Seed Co.	3	2	HR	R	HR	HR	HR	-	MR	3	108	6	106	12	102	4	111
FK421	Donely Seed Co.	4	-	HR	HR	HR	HR	HR	-	R	-	-	-	-	3	102	-	-
FQ314	Mycogen Seed	3	3	HR	HR	HR	HR	HR	-	R	-	-	3	98	-	-	2	110

Table I. continued.

Variety	Originator or Distributor	Pest Resistance									Testing Location - Region of Nebraska							
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	Northeast		Platte Valley		East Central		Panhandle	
											S/Y	%	S/Y	%	S/Y	%	S/Y	%
FQ315	Mycogen Seed	3	-	H	H	H	H	R	H	R	-	-	3	101	-	-	-	-
FSG 351	Allied Seed	3	2	HR	R	HR	HR	R	R	HR	-	-	-	-	6	105	2	112
FSG 406	Allied Seed	4	2	HR	HR	HR	HR	HR	-	R	3	102	-	-	5	100	-	-
FSG 408 DP	Arrow Seed/Allied Seed	4	-	HR	HR	HR	HR	R	-	R	-	-	-	-	6	101	2	112
FSG 505	Allied Seed	5	2	HR	H	HR	HR	HR	R	R	-	-	-	-	5	105	-	-
Geneva	NK Brand/Syngenta Seeds	4	2.5	HR	HR	HR	HR	HR	-	R	-	-	3	104	6	102	-	-
Genoa	NK Brand/Syngenta Seeds	4	2	HR	HR	HR	HR	HR	-	-	3	102	-	-	-	-	-	-
GH 711	Golden Harvest Seeds, Inc.	3	2	HR	HR	HR	HR	HR	-	R	3	98	-	-	2	103	-	-
GH 727	Golden Harvest Seeds, Inc.	4	-	HR	HR	HR	HR	HR	-	R	3	106	-	-	-	-	-	-
GH 750	Golden Harvest Seeds, Inc.	4	-	HR	HR	HR	HR	HR	R	R	-	-	3	101	3	101	-	-
GH 766	Golden Harvest Seeds, Inc.	3	-	HR	HR	HR	HR	R	-	R	-	-	3	104	3	110	2	107
GH 797	Golden Harvest Seeds, Inc.	3	-	HR	HR	HR	HR	HR	-	HR	-	-	-	-	4	107	-	-
GoldLeaf	Dairyland Seed Co.	3	3	HR	R	HR	HR	R	-	R	3	101	-	-	2	106	-	-
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
Greenfield	Hoegemeyer Hybrids	3	-	HR	HR	HR	HR	R	-	HR	2	92	-	-	4	100	-	-
Hybri+421	NC+ Hybrids	4	2	HR	HR	HR	HR	R	R	R	3	110	-	-	6	104	-	-
Hybriforce400	Dairyland Seed Co.	4	3	HR	R	HR	HR	R	HR	R	-	-	3	114	6	100	2	105
Hybriforce-420/Wet	Dairyland Seed Co.	4	3	HR	R	HR	HR	R	R	R	3	103	-	-	5	106	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	-	-	-	-	-	-	3	102	-	-
Jade II	NC+ Hybrids	4	-	HR	R	HR	HR	R	R	R	6	108	-	-	8	106	2	112
Jade III	NC+ Hybrids	4	2	HR	HR	HR	HR	R	R	R	-	-	-	-	3	110	2	112
Journey Brand 204	Arrow Seed/Fontanelle Hybrids	4	-	HR	HR	HR	HR	R	-	-	3	103	3	112	5	105	-	-
Legacy 447HD	Arrow Seed	4	2	HR	HR	HR	HR	R	-	R	3	104	-	-	3	103	-	-
Legendairy 2.0	Croplan Genetics	3	3	HR	HR	HR	HR	R	-	HR	-	-	-	-	4	102	-	-
Lightning II	Jung Seed Genetics	4	-	HR	HR	HR	HR	R	-	MR	-	-	-	-	3	104	-	-
Macon	Allied Seed	4	-	HR	HR	HR	HR	HR	-	HR	-	-	-	-	3	106	2	106
Magnum IV	Dairyland Seed Co.	4	2	HR	R	HR	HR	R	-	R	-	-	2	105	8	106	-	-
Magnum V	Dairyland Seed Co.	4	2	HR	R	HR	HR	R	R	R	-	-	3	103	6	103	2	117
Mariner III	Allied Seed	4	-	HR	HR	HR	HR	HR	-	-	3	103	-	-	3	101	-	-
Marvel	Albert Lea Seed House	4	-	HR	HR	HR	HR	HR	R	R	-	-	-	-	3	103	-	-
Masterpiece	J.R. Simplot Company	4	3	HR	HR	HR	HR	R	R	-	3	99	3	112	-	-	2	110
Maximizer	Taylor Seed	4	1	HR	HR	HR	HR	HR	R	-	3	100	-	-	-	-	-	-
Meadowlark	Blue River Hybrids	4	-	HR	R	HR	HR	R	-	R	-	-	-	-	3	101	-	-
Multiplier 3	Mycogen Seed	3	2.5	HR	HR	HR	HR	R	-	-	3	107	-	-	-	-	-	-
MultiQueen	Miller Seed and Supply Co.	4	-	HR	HR	HR	HR	R	R	HR	-	-	-	-	3	101	-	-
Notice II	Crow's Hybrids	4	-	HR	HR	HR	HR	HR	HR	-	3	98	-	-	-	-	-	-
Onedia VR	Public	3	-	R	MR	MR	HR	HR	-	S	3	102	-	-	3	103	-	-

Table I. continued.

Variety	Originator or Distributor	Pest Resistance									Testing Location - Region of Nebraska							
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	Northeast		Platte Valley		East Central		Panhandle	
											S/Y	%	S/Y	%	S/Y	%	S/Y	%
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	Public	3	-	R	LR	MR	R	S	-	R	15	106	15	105	21	104	6	105
Phirst	Dairyland Seed Co.	4	2	HR	HR	HR	HR	R	R	R	3	105	-	-	2	106	-	-
Power 4.2	Grassland Central	4	-	HR	HR	HR	HR	R	R	R	3	96	-	-	2	104	-	-
Prism II	Midwest Seed Genetics	3	-	HR	HR	HR	HR	R	-	HR	3	104	-	-	7	107	-	-
Pristine	Trelay Seeds	4	-	HR	HR	HR	HR	HR	R	HR	-	-	-	-	3	98	2	113
ProGro	Renze Hybrids	4	-	HR	HR	HR	HR	R	R	R	-	-	2	102	3	105	2	122
Prolific	Dairyland Seed Co.	3	3	HR	R	HR	HR	R	-	-	3	103	-	-	2	107	-	-
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	102	-	-
Rainier	NK Brand/Syngenta Seeds	3	3	HR	HR	HR	HR	R	-	HR	3	111	-	-	-	-	2	108
Rebound 4.2	Croplan Genetics	4	2	HR	HR	HR	HR	HR	R	R	-	-	6	106	3	104	2	108
Rebound 5.0	Croplan Genetics	4	2.5	HR	HR	HR	HR	HR	R	-	-	-	-	-	3	102	-	-
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	HR	R	HR	HR	R	R	R	-	-	-	-	6	104	-	-
Rhino	Geertson Seed Farm	3	-	HR	R	R	R	R	-	HR	3	104	3	100	4	107	2	109
Riley	Public	4	-	HR	S	S	S	LR	-	HR	5	101	3	102	-	-	4	105
Ripin	Dairyland Seed Co.	4	-	HR	R	HR	HR	R	-	R	-	-	-	-	3	106	-	-
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	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	107	2	102
TMF Generation	Mycogen Seed	2	-	HR	HR	HR	R	HR	-	-	5	106	-	-	-	-	-	-
TMF421	Mycogen Seed	4	-	HR	HR	HR	HR	HR	-	-	-	-	-	-	-	-	2	108
TMF4464	Mycogen Seed	4	-	HR	HR	HR	HR	HR	-	-	-	-	3	104	-	-	-	-
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	-	-	-	-	-	-
US A4230	United Suppliers	4	-	HR	HR	HR	HR	HR	R	R	-	-	-	-	3	105	2	106
Vernal	Public	2	2	R	S	S	MR	S	-	S	14	100	6	99	33	99	8	101
Viking 1	NK Brand/Syngenta Seeds	2	3.5	R	R	R	HR	HR	-	MR	5	97	2	109	8	108	-	-

Table I. continued.

Variety	Originator or Distributor	Pest Resistance									Testing Location - Region of Nebraska							
		FD	WS	Bw	An	Prr	Fw	Vw	Saa	Pa	Northeast		Platte Valley		East Central		Panhandle	
											S/Y	%	S/Y	%	S/Y	%	S/Y	%
Wetland	Dairyland Seed Co.	3	-	R	R	HR	R	MR	-	-	-	-	-	-	6	111	-	-
Wintercrown	Ampac Seed	3	-	HR	R	HR	HR	R	-	-	-	-	-	-	3	105	-	-
WL 232HQ	W-L Research	2	3	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	HR	HR	HR	HR	HR	R	HR	3	97	3	106	5	103	8	115
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	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	HR	HR	HR	HR	HR	R	HR	-	-	-	-	3	109	8	116
WL 342	W-L Research	4	1	HR	HR	HR	HR	HR	HR	HR	-	-	3	115	-	-	8	109
WL 343HQ	W-L Research	4	-	HR	HR	HR	HR	HR	-	R	3	107	-	-	4	100	-	-
WL 355RR ^R	W-L Research	4	-	HR	HR	HR	HR	HR	-	R	3	105	-	-	3	103	-	-
WL 357HQ	W-L Research	5	2	HR	HR	HR	HR	HR	-	HR	3	100	-	-	3	102	8	124
Wrangler	Public	2	-	R	LR	HR	R	LR	-	HR	20	100	6	101	33	100	8	99
Yielder	Garst Seed Co.	3	-	HR	R	HR	HR	R	-	R	-	-	3	98	3	98	8	100

^PDenotes potato leafhopper resistance
^CDenotes continuous grazing tolerance
^RDenotes possession of RoundReady Traits

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.

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)

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.

Table II. Seed Sources for 2011.

<i>Originator or Distributor</i>	<i>Address</i>	<i>City, State, Zip</i>	<i>Internet</i>	<i>Phone</i>
Albert Lea Seed House	1414 W. Main St	Albert Lea, MN 56007	http://www.alseed.com/farm_seed/alfalfa/	507.373.3161
Allied Seed	716 Carriage Crossing	Nixa, MO 65714	http://www.alliedseed.com/products/Alfalfa/index.php	800.880.8127
America's Alfalfa	1870 Backbone Rd. W.	Princeton, IL 61356	http://www.americasalfalfa.com/	800.873.2532
Ampac Seed	32727 Hwy. 99E - P.O. Box 318	Tangent, OR 97389	http://www.ampacseed.com/alfalfa.htm	541.928.2430
Arrow Seed	P.O. Box 722	Broken Bow, NE	http://www.arrowseed.com/alfalfa/index.php	800.622.4727
Barenbrug	33477 Hwy. 99E - P.O. Box 239	Tangent, OR 97389	http://www.barenbrug.com/barusa/EN/forage.php	800.547.4101
Bellamy Grain Corp.	P.O. Box 246	Cozad, NE 68930-9556	n/a	308.784.2666
Blue River Hybrids	27087 Timber Rd.	Kelley, IA 50134	http://www.blueriverseed.com/products-seed-coating/organic-cnv-alfalfa.aspx	800.370.7979
Chemgro Seeds	P.O. Box 218	East Petersburg, PA 17520-0218	http://www.chemgro.com/	800.346.4769
Cimarron USA	3624 Kildaire Farm Rd	Cary, NC 27518	http://www.cimarronusa.com/Varieties.html	800.874.7945
Crow's Hybrids - Channel Bio Corp.	P.O. Box 157	Kentland, IN 47951	http://www.crowshybrid.com/products/alfalfa.asp	800.331.7201
Croplan Genetics	http://www.croplangenetics.com/FINDADEALER/default.aspx?state=ne&SearchType=MR		http://www.croplangenetics.com/FINDSEED/ALFALFA/default.aspx	888.295.3011
Dairyland Seed Co.	P.O. Box 958	West Bend, WI 53095-0958	http://www.dairylandseed.com/alfalfa.aspx	800.236.0163
Fontanelle Hybrids	1955 E. Military Ave.	Fremont, NE 68025	http://www.fontanelle.com/products/alfalfa	800.279.4353
Forage Genetics International	P.O. Box 339	Nampa, ID 83653-0339	http://www.foragegenetics.com/	800.635.5701
Garst Seed Co.	2369 330th St.	Slater, IA 50244	http://www.garstseed.com/GarstClient/Products/Alfalfa/	888.464.2778
Geertson Seed Farm	P.O. Box 205	Greenleaf, ID 83626	n/a	800.843.0390
Golden Harvest Seeds, Inc.	100 JC Robinson Blvd - P.O. Box 307	Waterloo, NE 68069	http://www.goldenharvestseeds.com/Profile_Chooser_Alfalfa.asp	800.228.9906
Hoegemeyer Hybrids	1755 Hoegemeyer Rd.	Hooper, NE 68031	http://www.therightseed.com/products	800.245.4631
Jirdon Agri-Chemicals/WestCo.	70927 Highway 26 - P.O. Box 516	Morrill, NE 69358	http://www.ampacseed.com/central-plains-dealers.htm	308.247.2129
Simplot Grower Solutions	1018 W. 26th St.	Scottsbluff, NE 69361	http://www.simplot.com/agricultural/grower_solutions/products/alfalfa.cfm	see website
Jung Seed Genetics	341 S. High St.	Randolph, WI 53956	http://www.jungseedgenetics.com/downloads/2009_Alfalfa.pdf	800.242.1855
Kaup Forage & Turf	P.O. Box 2218	Norfolk, NE 68701	n/a	866.895.7733
Kelliher Seed and Supply	P.O. Box 692	Kearney, NE 68848-0692	n/a	308.237.3639
La Crosse Forage & Turf Seed Corp.	2541 Commerce St.	La Crosse, WI 54603	http://www.lftseed.com/agricultural/alfalfa.php	800.328.1909
Legend Seeds	P.O. Box 241	De Smet, SD 57231	http://www.legendseeds.net/products/alfalfa/index.html	800.678.3346
LG Seeds	22827 Shissler Rd.	Elmwood, IL 61529	http://www.lgseeds.com/products/alfalfa/	800.752.6847
Midwest Seed Genetics	1617 E. 10th St - P.O. Box 518	Carroll, IA 51401	http://www.midwestseed.com/products/alfalfa.asp	800.369.8218
Miller Seed and Supply Co.	1600 Cornhusker Hwy.	Lincoln, NE 68521-1894	n/a	402.438.1232
Monsanto/Dekalb	800 N. Lindbergh Blvd.	St. Louis, MO 63167	http://www.monsanto.com/default.asp	314.694.1000
Mycogen Seed	2220 W. Lincoln Ave.	Olivia, MN 56277	http://www.dowagro.com/mycogen/alfalfa/	800.535.8436
NC+ Hybrids	3820 N. 56th St.	Lincoln, NE 68504	http://www.nc-plus.com/products/detail.cfm?crop=a	800.279.7999
NK Brand/Syngenta Seeds	7500 Olson Memorial Hwy.	Golden Valley, MN 55427	http://www.nk-us.com/helper/1998/homeworkhelper_plh.asp	763.593.7333

Table II. continued.

<i>Originator or Distributor</i>	<i>Address</i>	<i>City, State, Zip</i>	<i>Internet</i>	<i>Phone</i>
Pioneer Hi-Bred	P.O. Box 1000	Johnston IA 50131-0184	http://www.pioneer.com/home/site/us/products/alfalfa	515.270.3200
Producer's Choice	16690 Greystone Ln.	Jordan, MN 55352	http://www.producerschoiceseed.com/products/index.html	952.492.2990
Producers Hybrids	P.O. Box C	Battle Creek, NE 68715	http://www.producershybrids.com/index.php/www/products/alfalfa	888.675.3190
Renze Hybrids	27410 Kittyhawk Ave.	Carroll, IA 51401	http://www.renzeeds.com/main/productdivision.asp?division=alfalfa	800.634.2676
Trelay Seeds	11623 State Rd. 80	Livingston, WI 53554	http://www.trelay.com/products/alfalfa	800.421.0397
Sharp Bros. Seed Co.			http://www.sharpseed.com/seeds.php?catID=8	
W-L Research	P.O. Box 8112	Madison, WI 53708-8112	http://www.wlresearch.com/products/product1.htm	800.406.7662
Ziller Seed Company	76374 380th St.	Bird Island, MN 55310	http://www.zillerseed.com/newalfalfa.html	800.752.1797

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