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Selecting Alfalfa Varieties for Nebraska

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Yield potential, pest resistance and seed price all should be considered in selecting alfalfa varieties in Nebraska. This NebGuide discusses them.

The most important variety decision made on many farms and ranches is the selection of alfalfa varieties. The choice of alfalfa variety affects production for three to 10 or more years, whereas varieties of annual crops can be changed every year.

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 presently marketed in the state.

The originator or distributor of each variety is listed in *Table I* as a source of seed information. Public varieties are usually available in certified seed channels. Some varieties may be difficult to obtain due to low seed supply or limited distribution. Purchase seed only of certified quality to assure genetic identity of the variety. Common seed should not be planted for forage production.

Select alfalfa varieties according to three criteria:

1. Yield potential
2. Pest resistance
3. Seed price

Use *Table I* to identify high yield varieties. Then select from this list those varieties with desirable pest resistance. Finally, compare seed price.

Fall Dormancy

Low dormancy ratings indicate varieties have slower regrowth after harvest and grow slowly in the fall. Slow fall growth has been considered desirable for developing winter hardiness, but some recently released varieties have high winterhardiness and higher dormancy ratings (faster fall growth).

Resistance to Disease

Bacterial wilt. Historically, this has been the primary disease of alfalfa in Nebraska. All varieties in this NebGuide have sufficient bacterial wilt resistance for most long-term stands. There are different degrees of resistance within varieties classified as bacterial wilt resistant.

Anthracnose. Anthracnose is a fungal disease often occurring in alfalfa under irrigation or high moisture conditions. Varieties with anthracnose resistance should be selected.

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 blackstem are foliar diseases that cause leaf losses and reduce both total alfalfa yield and quality. Fusarium wilt and verticillium wilt are diseases that have not caused severe problems in Nebraska.

Varieties listed in *Table I* have been developed with resistance to some of these diseases. Select varieties that 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. Several varieties have low to moderate resistance or tolerance to potato leafhopper yellowing. Varieties with high levels of resistance to pea aphids or spotted alfalfa aphids, or both, are available.

Alfalfa Yields

Varieties that have been tested since 1990 for two or more years at locations in Nebraska and marketed in the state are shown in *Table I*. Data collected from these varieties since 1963 are included in the table. Yield comparisons are relative to production from the check varieties Dawson and Vernal included in the same tests. A yield of 115 percent indicates that the variety produced 15 percent more yield than the average yield of Dawson and Vernal. 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 (two or three 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 changes substantially with additional testing.

Table I. Characteristics and relative yields (percent) of alfalfa varieties in selected Nebraska tests, 1963-1994.

Variety	Originator or Distributor	Pest Resistance										Saunders County Irr.		Dixon County Dryland		Clay County Irr.		Dawson County Sub-irri.		Panhandle Irr.	
		FD	Bw	An	Prr	Fw	Vw	Saa	Pa	Plh	S/Y	%	S/Y	%	S/Y	%	S/Y	%	S/Y	%	
Achieva ^{1,2}	AgWay	3	R	HR	HR	HR	R	R	R	—	3	122	—	—	—	—	—	—	—	—	
AF-21	Asgrow Seed	4	HR	HR	R	R	R	R	R	—	4	106	2	97	—	—	—	—	—	—	
Aggressor	America's Alfalfa ³	4	HR	HR	HR	HR	R	MR	HR	R	3	116	2	110	—	—	2	103	2	109	
Alfagraze	America's Alfalfa ³	2	MR	MR	LR	R	—	—	R	—	2	105	—	—	—	—	—	—	—	—	
Alfaleaf	Arrow Seed	4	HR	R	HR	R	R	R	R	—	6	113	3	105	—	—	2	111	4	113	
Allegiance	Keltgen/Lynks	3	R	HR	R	R	R	LR	R	—	6	110	4	100	—	—	—	—	—	—	
Allegro ^{1,2}	Keltgen/Lynks	4	HR	HR	HR	HR	R	MR	HR	—	2	114	—	—	—	—	—	—	—	—	
Apollo Supreme	America's Alfalfa ³	4	HR	HR	R	HR	R	—	HR	R	9	116	1	99	—	—	4	108	2	114	
Arrow	America's Alfalfa ³	3	HR	MR	HR	HR	R	—	R	R	12	115	3	102	2	114	2	105	4	107	
Asset	Allied/Agway	4	HR	R	HR	R	R	R	R	—	4	113	2	107	—	—	—	—	2	119	
Attainer ^{1,2}	W-L Research	3	HR	HR	HR	HR	HR	R	R	—	2	109	—	—	—	—	—	—	—	—	
Baker	Public	2	HR	LR	S	R	S	HR	HR	MR	42	101	15	102	11	102	7	98	15	102	
Belmont	Great Plains/Arrow Seed	5	HR	HR	R	HR	R	HR	HR	—	2	108	2	101	—	—	—	—	2	113	
Bolt ML ^{1,2}	Jung Farms	3	R	HR	HR	HR	R	—	—	—	3	117	—	—	—	—	—	—	—	—	
Centurion	Agway	3	HR	R	R	R	R	MR	R	—	2	127	2	108	—	—	—	—	2	113	
Cheesman 29VR	Stine	3	R	R	R	HR	HR	R	R	—	2	121	2	105	—	—	—	—	—	—	
Chief	Mycogen	4	HR	R	HR	R	R	R	R	—	14	114	3	103	—	—	2	107	4	114	
Cimarron VR	Great Plains/Holdrege Seed	4	HR	HR	R	HR	R	HR	HR	—	5	111	2	101	—	—	4	108	2	108	
Class ^{1,2}	ConAgra	3	HR	HR	HR	R	R	R	R	—	3	122	—	—	—	—	—	—	—	—	
Clipper	Interstate/Payco	2	HR	R	R	HR	R	—	R	—	4	114	—	—	2	112	2	111	2	108	
Columbo	PGI/MBS	3	R	R	R	HR	HR	R	HR	—	2	110	—	—	—	—	—	—	—	—	
Crown II	Cargill	3	HR	HR	HR	HR	R	MR	R	—	2	109	2	110	—	—	—	—	—	—	
Crystal ¹	PGI/MBS	4	HR	R	HR	HR	R	LR	R	—	3	127	—	—	—	—	—	—	—	—	
Cutter	Interstate/Payco	4	R	R	HR	HR	R	R	R	—	5	113	—	—	—	—	2	108	2	109	
Dart	AgriPro	3	HR	R	HR	HR	R	—	R	MR	13	115	3	106	2	112	4	110	4	117	
Dawn	AgriPro	3	HR	R	HR	HR	R	MR	R	R	7	119	3	103	—	—	2	102	4	116	
Dawson	Public	2	R	S	S	R	S	R	R	LR	56	99	25	99	11	99	13	101	20	101	
120	DeKalb Genetics	3	HR	LR	R	LR	S	—	R	—	22	112	10	109	8	108	3	112	6	108	
DK125	DeKalb Genetics	3	HR	HR	R	R	R	MR	R	—	9	114	2	115	—	—	4	112	2	113	
DK133	DeKalb Genetics	4	HR	HR	HR	HR	R	R	R	—	6	117	1	95	—	—	—	—	2	116	
Dominator ^{1,2}	Agripro	4	HR	HR	HR	HR	R	—	R	—	3	115	1	95	—	—	—	—	2	111	
Echo	Callahan/ProfiSeed	4	R	MR	R	R	R	R	HR	—	2	116	—	—	—	—	—	—	—	—	
Edge	Research Seeds	4	R	HR	R	R	R	R	R	—	4	109	2	104	—	—	—	—	2	112	
Encore ^{1,2}	Spangler Bros. Seed	3	HR	HR	HR	HR	R	—	—	—	3	123	—	—	—	—	—	—	—	—	
Envy	Peterson Seed	3	HR	HR	R	HR	R	—	R	—	6	117	—	—	—	—	—	—	2	112	
Evolution ^{1,2}	Mycogen	2	HR	HR	HR	HR	R	—	R	—	4	119	—	—	—	—	—	—	—	—	
5246	Pioneer	3	HR	HR	HR	HR	R	R	R	—	3	117	1	104	—	—	—	—	2	114	
5262	Pioneer	2	HR	—	R	MR	LR	R	R	—	4	112	2	105	—	—	4	116	—	—	
5333	Pioneer	4	HR	HR	R	HR	MR	R	HR	—	2	116	2	114	—	—	—	—	2	118	
5364	Pioneer	4	R	MR	MR	R	MR	HR	HR	—	12	117	5	109	—	—	2	116	4	119	
5373	Pioneer	4	HR	HR	MR	HR	R	R	HR	—	—	—	—	—	—	—	2	115	—	—	
5432	Pioneer	4	HR	—	MR	HR	R	HR	R	—	9	112	2	104	2	102	2	103	4	108	
5454	Pioneer	4	R	HR	HR	HR	MR	R	R	—	3	112	1	96	—	—	—	—	2	121	
5472	Pioneer	4	HR	MR	MR	HR	MR	R	HR	—	2	117	—	—	—	—	2	114	—	—	
Flagship 75 ^{1,2}	Fontanelle	2	HR	R	HR	HR	R	—	MR	—	3	113	—	—	—	—	—	—	2	111	
Fortress	Northrup King	4	R	R	HR	R	R	HR	R	—	4	111	2	112	—	—	2	113	—	—	
GH 737	Golden Harvest/J.C. Robinson	4	R	MR	HR	R	R	R	R	—	2	112	—	—	—	—	2	104	2	110	
GH 755	Golden Harvest/J.C. Robinson	4	HR	HR	HR	HR	R	R	R	—	5	118	1	100	—	—	2	106	2	119	
GH 777 ¹	Golden Harvest/J.C. Robinson	3	HR	R	HR	HR	R	—	—	—	3	122	—	—	—	—	2	107	—	—	
GH 787 ^{1,2}	Golden Harvest/J.C. Robinson	3	HR	HR	HR	R	R	R	R	—	2	107	—	—	—	—	—	—	—	—	
Good as Gold	Hoegemeyer Hybrids	4	HR	R	HR	HR	R	R	—	—	4	117	2	106	—	—	2	115	—	—	
Gourmet Hay	Gutwein Seed	4	HR	HR	R	HR	R	MR	HR	—	2	117	2	99	—	—	—	—	—	—	
Green Field ^{1,2}	Peterson Seed	3	HR	HR	HR	HR	R	—	HR	—	3	124	—	—	—	—	—	—	—	—	
Husky	PGI/MBS	3	R	MR	MR	R	—	—	R	—	2	118	—	—	—	—	—	—	—	—	
Impact	Hoegemeyer Hybrids	3	HR	MR	R	HR	R	—	R	—	4	114	2	100	—	—	2	110	—	—	
Imperial ^{1,2}	IAM	—	—	—	—	—	—	—	—	—	3	125	1	98	—	—	—	—	—	—	
Jade	NC+	4	HR	R	HR	R	R	MR	—	—	2	124	—	—	—	—	2	120	2	119	
Jewel	Wilbur-Ellis	4	HR	R	HR	R	R	R	R	—	3	117	—	—	—	—	2	108	2	120	
Legacy	Green Seed	4	HR	R	HR	HR	R	HR	R	—	4	118	—	—	—	—	—	—	—	—	
Legend	Cenex/Land'O'Lakes	4	HR	HR	HR	HR	R	LR	R	—	6	113	—	—	—	—	2	108	—	—	
Legend Dairy ^{1,2}	Cenex/Land'O'Lakes	2	HR	HR	HR	HR	HR	HR	R	—	2	110	—	—	—	—	—	—	—	—	
Magnum III	Dairyland ⁴	4	R	MR	R	R	MR	MR	R	—	15	117	4	112	—	—	4	120	4	122	
Magnum IV ^{1,2}	Dairyland ⁴	4	HR	R	HR	HR	R	MR	—	—	2	122	—	—	—	—	—	—	—	—	
Majestic	Agway	3	R	HR	R	HR	HR	S	—	—	2	117	—	—	—	—	2	106	—	—	
Milkmaker	PGI/MBS	3	R	MR	MR	HR	—	—	R	—	2	111	—	—	—	—	2	108	—	—	
Milkmaker II ¹	PGI/MBS	2	R	—	R	HR	—	LR	R	—	3	117	—	—	—	—	—	—	—	—	
MultiKing I	Northrup King Co.	3	HR	R	R	HR	R	MR	MR	—	3	117	2	106	—	—	2	106	—	—	

Table I. Continued.

Variety	Originator or Distributor	FD	Pest Resistance							Saunders County Irrig.		Dixon County Dryland		Clay County Irrig.		Dawson County Sub-irrig.		Panhandle Irrig.		
			Bw	An	Prr	Fw	Vw	Saa	Pa	Plh	S/Y	%	S/Y	%	S/Y	%	S/Y	%	S/Y	%
Multi-plier	Mycogen	3	HR	HR	HR	HR	R	MR	R	—	9	115	2	104	—	—	2	105	4	116
Multistar ¹	Allied	3	HR	HR	HR	HR	R	R	—	—	3	120	—	—	—	—	—	—	—	—
Multi 7+	Geertson Seed	4	—	R	MR	MR	LR	—	LR	—	—	—	—	—	—	—	—	2	106	
9323 ^{1,2}	Research Seeds	3	HR	R	HR	HR	R	—	—	—	2	105	—	—	—	—	—	—	—	—
Ogallala 633	Germain's	4	HR	HR	HR	R	R	HR	R	—	4	113	—	—	—	—	2	109	2	120
Ovation ^{1,2}	Callahan Seeds	4	HR	HR	HR	HR	HR	MR	R	—	3	119	—	—	—	—	—	—	—	—
Pacesetter ¹	Research Seeds/Brown	2	HR	HR	HR	R	R	—	—	—	2	109	—	—	—	—	—	—	—	—
Patriot ^{1,2}	Mycogen	4	R	R	R	R	R	LR	R	—	3	122	—	—	—	—	—	—	—	—
Perry	Public	3	R	LR	MR	R	S	MR	R	MR	39	108	13	105	11	105	7	107	13	111
Persist ^{1,2}	Kaltenburg Seeds	4	HR	R	HR	HR	R	R	HR	—	—	—	—	—	—	2	112	—	—	
Precedent	Wyffels/Dobblers	4	HR	R	HR	R	R	R	R	—	2	112	—	—	—	—	2	106	—	—
Premier	Wyffels/Wetsel	4	HR	HR	HR	HR	R	MR	HR	—	2	110	2	95	—	—	—	—	—	—
Premier Plus ^{1,2}	Wyffels Hybrids	4	HR	HR	HR	HR	HR	R	HR	—	2	109	—	—	—	—	—	—	—	—
Prism ^{1,2}	Wilson Seeds	4	HR	HR	HR	R	R	—	—	—	4	121	—	—	—	—	—	—	—	—
Pro-Cut 2	L. Herried Seeds/Horizon	4	HR	R	HR	R	R	R	R	—	2	119	—	—	—	—	2	107	—	—
Pro Gro 424 ^{1,2}	Casterline	4	HR	R	HR	HR	R	R	R	—	3	120	—	—	—	—	—	—	—	—
Renegade	Geertson Seed	3	R	—	R	MR	LR	R	R	—	2	115	—	—	—	—	—	—	2	115
Reward	Drussel Seed & Supply	4	HR	R	HR	HR	R	R	HR	—	2	120	—	—	—	—	—	—	—	—
RFV-2000 ^{1,2}	Custom Farm Seed	3	HR	HR	HR	HR	R	R	R	—	2	109	—	—	—	—	—	—	—	—
Riley	Public	4	HR	MR	S	S	LR	HR	HR	T	33	109	10	103	8	106	7	105	10	110
Sabre	Allied/Agway	4	HR	HR	HR	HR	HR	S	HR	—	2	115	—	—	—	—	2	110	—	—
Salute	Keltgen/Lynks	4	HR	MR	R	R	MR	LR	—	—	4	106	—	—	2	106	—	—	—	—
Sierra ^{1,2}	NC+	3	HR	R	HR	HR	R	R	—	—	2	117	—	—	—	—	—	—	—	—
Stetson II+ ¹	PGI/MBS	—	—	—	—	—	—	—	—	—	2	116	—	—	—	—	—	—	—	—
Sure	Cenex/Land'O'Lakes	3	HR	HR	R	HR	R	LR	HR	—	8	113	—	—	—	—	2	106	2	112
SX217	Sexauer	4	R	MR	MR	HR	—	HR	—	—	4	106	2	99	—	—	—	—	—	—
630	ICI Seeds	4	HR	MR	R	R	MR	MR	R	—	9	113	6	105	—	—	4	113	6	111
636	ICI Seeds	2	HR	MR	R	R	R	—	R	MR	6	111	2	105	—	—	2	109	2	109
645	ICI Seeds	3	HR	HR	HR	R	R	MR	R	—	6	116	3	99	—	—	2	106	4	108
Target II	Producers Hybrids	4	HR	R	R	R	R	R	—	—	2	112	—	—	—	—	2	111	—	—
Terminator	PGI/MBS	4	HR	R	R	HR	R	—	—	—	2	111	—	—	—	—	—	—	—	—
Trident II	Cargill	3	HR	R	HR	R	R	LR	MR	—	2	120	—	—	—	—	—	—	—	—
3324 ^{1,2}	L. Herried Seeds	—	—	—	—	—	—	—	—	—	2	114	—	—	—	—	—	—	—	—
2833	Ciba Seeds	3	HR	HR	HR	HR	R	MR	R	—	5	116	—	—	—	—	—	—	—	—
2852 ^{1,2}	Ciba Seeds	4	HR	HR	R	R	R	MR	R	—	3	116	—	—	—	—	2	112	—	—
Ultra	Seed Tec/AgriPro	3	R	HR	R	HR	R	LR	R	—	2	110	—	—	—	—	—	—	—	—
UltraLeaf 87 ^{1,2}	La Crosse Seed	3	HR	HR	HR	HR	R	R	R	—	2	108	—	—	—	—	—	—	—	—
Vernal	Public	2	R	S	S	MR	S	—	—	—	56	101	25	101	11	101	12	100	22	99
Vector	PGI/MBS	4	R	R	R	HR	MR	R	R	—	2	107	—	—	—	—	—	—	—	—
Venture	Stauffer Seeds	4	HR	HR	R	R	R	—	HR	—	4	115	—	—	—	—	2	107	—	—
Verta+	NC+	4	HR	HR	R	R	R	LR	R	—	—	—	—	—	—	2	109	2	103	
Viking 1 ^{1,2}	Northrup King Co.	2	R	R	R	HR	HR	—	MR	—	4	121	1	97	—	—	2	109	2	115
VIP	Research Seeds	3	HR	R	R	R	R	MR	HR	—	4	115	—	—	—	—	—	—	—	—
Voyager II	Bio Plant Research	4	HR	R	HR	HR	R	R	HR	—	—	—	—	—	—	2	118	—	—	
Webfoot MPR ^{1,2}	Great Lakes Hybrids	4	HR	HR	HR	HR	HR	—	R	—	5	113	—	—	—	—	2	108	2	122
WL225	Germain's	2	HR	MR	HR	HR	R	R	R	—	4	109	2	105	—	—	—	—	4	107
WL317	Germain's	3	HR	R	HR	HR	R	R	HR	—	5	115	2	104	—	—	4	111	2	117
WL320	Germain's	4	R	MR	R	R	MR	R	MR	T	10	111	2	102	2	109	2	108	—	—
WL322 HQ	Germain's	4	HR	MR	R	HR	R	HR	HR	—	5	115	1	103	—	—	2	100	—	—
WL323 ^{1,2}	Germain's	4	HR	HR	HR	HR	R	MR	R	—	4	115	1	104	—	—	—	—	—	—
Wrangler	Public	2	R	LR	HR	R	LR	HR	HR	MR	27	109	10	103	5	104	7	99	10	105
Zenith	ICI Seeds	3	HR	HR	HR	HR	R	HR	R	—	5	115	—	—	—	—	—	—	—	—

¹Ratings of these varieties likely are higher than might normally be expected. Yields comparing them to Dawson and Vernal came from wet growing seasons. This caused phytophthora root rot susceptible varieties, like Dawson and Vernal, to yield less than normal and resistant varieties to yield comparatively higher.

²Variety tested using experimental seed that may not give performance identical to commercially available seed.

³America's Alfalfa/Jirdon Agri Chemical/Arrow Seed/Kaup Seed/Horizon Seed

⁴United Seeds/Holdrege Seed/Hergert Milling/Dairyland Seed Co.

S/Y Station Years		Pest Resistance Ratings			
%	Relative yield compared to the average yield of Dawson and Vernal	Bw	Bacterial Wilt	% Resistant Plants	Resistance Class
		An	Anthraco-nose		
		Prr	Phytophthora Root Rot		
		Fw	Fusarium Wilt	0-5%	Susceptible (S)
		Vw	Verticillium Wilt	6-14%	Low Resistance (LR)
		Saa	Spotted Alfalfa Aphid	15-30%	Moderate Resistance (MR)
		Pa	Pea Aphid	31-50%	Resistant (R)
		Plh	Potato Leaf Hopper	51 + %	High Resistance (HR)

Blank spaces (—) indicate the variety is susceptible or has not been adequately tested.

Originator or Distributor	Address	City, State, Zip	Phone #
America's Alfalfa ³			
Arrow Seed Co. ³	P.O. Box 722, 126 North Tenth	Broken Bow, NE 68822	308-872-6826
Horizon Seeds ³	P.O. Box 88, Rt. 2	Tekamah, NE 68061	800-752-6574
Jirdon Agri Chemicals ³	P.O. Box 516, 70927 Hwy. 26	Morrill, NE 69358	800-445-5454
Kaup Seed & Fertilizer ³	133 West Park St.	West Point, NE 68788	402-372-5588
AgriPro Seeds	P.O. Box 789, East Hwy. 30	Grand Island, NE 68802	800-776-4776
Agway, Inc.	P.O. Box 4741	Syracuse, NY 13221	208-466-9218
Allied Seed Cooperative	1917 E. Fargo	Nampa, ID 83687	800-624-8904
Asgrow Seed Co.	7000 Portage Rd.	Kalamazoo, MI 49001	616-385-6633
Bio-Plant Research	P.O. Box 300	Camp Point, IL 62320	217-593-7707
Callahan Seeds	P.O. Box 367	Westfield, IN 46074	317-896-5551
Cargill Hybrid Seeds	P.O. 405, Hwy. 34 west	Seward, NE 68434	800-346-4853
Casterline & Sons Seed, Inc.	P.O. Box 1377	Dodge City, KS 67801	800-444-4137
Cenex/Land'O'Lakes	2827 8th Ave. S.	Fort Dodge, IA 50501	800-369-3060
Ciba Seeds	P.O. Box 18300	Greensboro, NC 27419-8300	800-447-2391
ConAgra	P.O. Box 978	Pekin, IL 61554	309-382-3111
Custom Farm Seed	P.O. Box 160	Momence, IL 60954	815-472-2433
Dairyland Seed Co. ⁴	P.O. Box 958	West Bend, WI 53059	800-236-0163
Dekalb Genetics	3100 Sycamore Rd.	Dekalb, IL 60115	815-756-7333
Dobblers	Rt. 1 Box 424A	Jersey Shore, PA 17740	717-753-3210
Drussel Seed & Supply	2197 W. Parallel Rd.	Garden City, KS 67846	800-597-2998
Fontanelle Hybrids	Rt. 1 Box 18	Nickerson, NE 68044	800-279-4353
Geertson Seed Farms	1665 Burroughs Rd.	Adrian, OR 97901	800-843-0390
Germain's, Inc.	P.O. Box 373	Hill City, KS 67642	913-674-2062
Golden Harvest/J.C. Robinson	100 J.C. Robinson Blvd.	Waterloo, NE 68069	800-228-9906
Great Lakes Hybrids, Inc.	9915 W. M-21	Ovid, MI 48866	800-257-7333
Great Plains Research Co.	3624 Kildaire Farm Road	Apex, NC 27502-8836	800-874-7945
Green Seed Co.	309 North Main	Springfield, MO 65805	800-641-4206
Gutwein Seed (Larry DeNeve)	Rt. 1, Box 188	Prophetstown, IL 61277	815-537-5388
Hergert Milling ⁴	P.O. Box 240, 1415 Ave. B	Scottsbluff, NE 69361	308-632-2315
Hoegemeyer Hybrids	Rt. 2, Box 126	Hooper, NE 68031	800-245-4631
Holdrege Seed & Farm Supply ⁴	West Hwy. 6 & 34, P.O. Box 530	Holdrege, NE 68949	308-995-4465
IAM	P.O. Box 2962	Shawnee Mission, KS 66201	913-384-4940
ICI Seeds	6945 Vista Dr.	West DesMoines, IA 50266	800-348-2742
Interstate/Payco	P.O. Box 338, 1215 Prairie Pkwy	West Fargo, ND 58078	800-437-4120
Jung Farms, Inc.	335 S. High St.	Randolph, WI 53957	800-242-1855
Kaltenberg Seed Farms	5506 State Rd. 19	Waunakee, WI 53597-0278	800-383-3276
Keltgen Seed	P.O. Box 209	Olivia, MN 56277-0209	800-325-5759
L. Herried Seed	925 Dexter, P.O. Box 216	Prescott, WI 54021	800-637-2887
La Crosse Seed Corp.	P.O. Box 187	La Crosse, WI 54601	800-658-9428
Lynks Seeds	P.O. Box 637	Marshalltown, IA 50158	800-798-2676
Mycogen Plant Sciences	720 St. Croix St.	Prescott, WI 54021	800-321-2867
NC+ Hybrids	Box 4408	Lincoln, NE 68504	402-467-2517
Northrup King Co.	P.O. Box 959	Minneapolis, MN 55440	800-445-0956
PGI/MBS	2055 Ironwood Ct., Box 308	Ames, IA 50010	800-247-3967
Peterson Seed Co., Inc.	P.O. Box 346	Savage, MN 55378	800-328-5898
Pioneer Hi-Bred Intl., Inc.	210 Gateway North, P.O. Box 5307	Lincoln, NE 68505	402-467-5458
Producers Hybrids	Rt. #1, Box C	Battle Creek, NE 68715	402-675-2975
Research Seeds	Box 1393	St. Joseph, MO 64502	800-821-7666
The Sexauer Co.	2019 Riverside	Norfolk, NE 68701	800-642-6077
Spangler Bros. Seed Co.	803 W. Racine St.	Jefferson, WI 53549	800-284-1080
Stauffer Seeds	P.O. Box 68, 1118 N. 57	Aurora, NE 68818	800-676-7759
Stine Seed Co.	2225 Laredo Trail	Adel, IA 50003	800-362-2510
United Seeds ⁴	P.O. Box 27322	Omaha, NE 68127	402-331-4800
WILBUR-ELLIS COMPANY	P.O. Box 1017	Lamar, CO 81052	800-456-0169
Wilson Seeds Inc.	P.O. Box 391, 1408 Hwy. 44 East	Harlan, IA 51537	800-747-1200
W-L Research, Inc.	8701 Hwy. 14	Evansville, WI 53536	608-882-4100
Wyffels Hybrids, Inc.	P.O. Box 246	Atkinson, IL 61235	309-936-7833

File under: FIELD CROPS

B-13, Forages

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