

FALL

Seed Directory

OF THE
MINNESOTA CROP IMPROVEMENT ASSOCIATION

COOPERATING WITH THE

Minnesota Agricultural Experiment Station

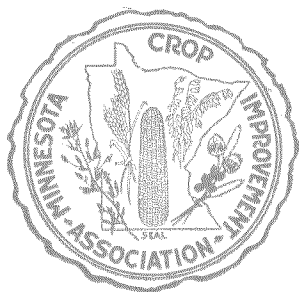
and

The Agricultural Extension Service

Fall 1951



THE FIELDS OF VARIETIES LISTED IN THIS DIRECTORY HAVE
PASSED FIELD INSPECTION



FINAL CERTIFICATION WILL DEPEND ON A SATISFACTORY LABORATORY ANALYSIS OF PROCESSED SEED. PLEASE WRITE DIRECTLY TO THE GROWERS FOR FURTHER INFORMATION.

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**1951-1952 SEED STOCKS OFFERED BY MEMBERS
OF THE MINNESOTA CROP IMPROVE-
MENT ASSOCIATION**

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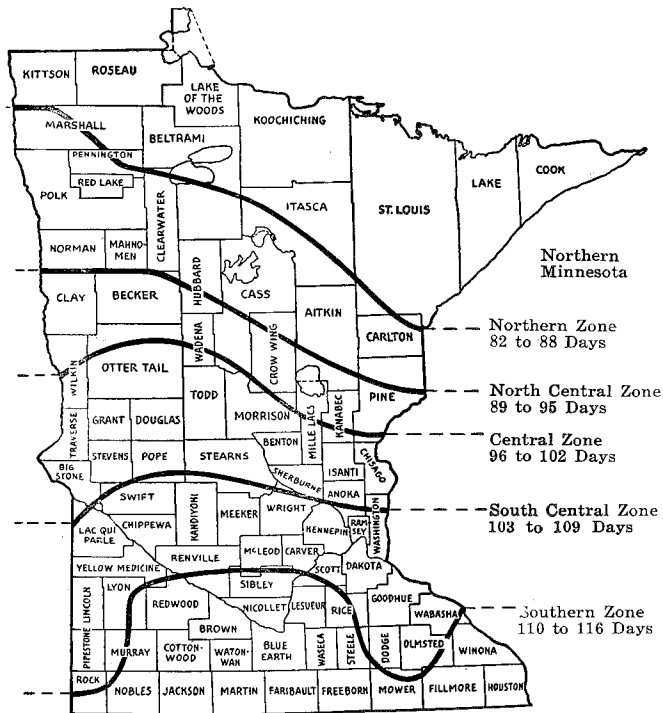
RANGER—is a winter-hardy variety developed by the United States Department of Agriculture, and the Nebraska Agricultural Experiment Station. Slightly superior to Ladak in wilt resistance, Ranger is recommended for hay production in all parts of the state.

Name of Grower	Post Office	Acreage
Anoka County		
Jacob, L. O.	Anoka	3½
Becker County		
Olson, Oscar J.	Lake Park	25
Beltrami County		
Cochran, Virgil	Bemidji	4
Blue Earth County		
Oliver, Earl D.	Amboy	20
Brown County		
Kjelshus, Erwin	Hanska	20
Clearwater County		
Darst, Delbert	Bagley	10
Cottonwood County		
Bondhus, Orval	Storden	2
Youngck, Deforest & Son	Westbrook	5
Dodge County		
Wright, Leslie L.	West Concord	12
Kittson County		
Carlson, Gunnar	Hallock	20
Sorenson, Orel	Hallock	17
Sorenson, Paul	Hallock	40
Lac Qui Parle County		
Sellin, Paul	Ortonville	15
Le Sueur County		
Guentzel, Milton	Elysian	35
Simpson, C. V.	Waterville	68
Sunderman, Kenneth	Le Sueur	75
Lyon County		
Hennen, L. J.	Minneota	25
Olsen, Lawrence	Tyler	9
Murray County		
Johnson, Herbert F.	Hadley	20
Nicollet County		
Grice, Earl	Rte. 2, Box 70, Mankato	8
Norman County		
Ingberg, Chester	Ada	20
Mukens, Hallace	Ada	15
Sharpe Bros.	Shelly	15
Ottertail County		
Cordes, Mel E.	Henning	31
Polk County		
Hanson, Herbert M.	East Grand Forks	8
Redwood County		
Lau Seed Co.	Tracy	15
Romnes, Norman	Belview	7
Renville County		
Berg, Alfred	Sacred Heart	10
Brookfield Seed Co.	Hector	27
Scott County		
Muhlenhardt, Carl	Shakopee	20
Swift County		
Carlson, Orion	Appleton	4
Starrett, E. C.	Benson	69
Out-Of-State		
Newday Seedsmen, Inc.	Fargo, N. D.	280

LADAK—is a winter-hardy variety introduced by the United States Department of Agriculture from northern India. It has averaged slightly higher in yield than Ranger. It recovers somewhat more slowly after cutting than Ranger, but the yield of the second cutting of Ladak has not been appreciably lower than that of Ranger. It is recommended for hay production in all parts of the state.

Ottertail County	Cordes, Mel E.	Henning	15
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MATURITY ZONES FOR CORN IN MINNESOTA



The adaptation of recommended soybean varieties is based on the corn maturity zones. For specific information on this crop please refer to Minnesota Extension Folder 22.

BARLEY

Name of Grower	Post Office	Acres
"L" or KINDRED is a six-rowed, rough-awned, white aleurone variety having acceptable malting quality. It has yielded well and is medium early, but it is highly susceptible to lodging. It is resistant to stem rust and moderately resistant to spot blotch and net blotch. It is moderately susceptible to mildew and scab and is susceptible to loose smut and stripe. It was selected by a North Dakota farmer.		
Blue Earth County		
Ramy Seed Co.	Mankato	50
Chippewa County		
Asche, Joest, Jr.	Clara City	8
Clay County		
Dahl, Henry L.	Borup	40
Goldberg, Max	Moorhead	160
Halverson, Henry E.	Borup	50
Faribault County		
Johnson, E. L. & Sons	Winnebago	45
Jackson County		
Schmidt, Raymond H.	Heron Lake	37
Kandiyohi County		
Oestreich, A. E. & Son	Pennock	8
Kittson County		
Britten, Earl M. L.	Kennedy	14
Le Sueur County		
Minnesota Valley Canning Co.	Le Sueur	76
Stoering, Hugo E.	Waterville	10
Lincoln County		
Evers, Gust	Lake Benton	10
Lyon County		
Hennen, L. J.	Minneota	20
Hovdesven & Son	Cottonwood	17
Marshall County		
Erickson, Elmer	Stephen	60
Malm, Willis	Argyle	15
Vansickle, Andrew	Warren	40
Martin County		
Bolstad, Paul	Odin	35
Meeker County		
Levi Haapala & Sons	Dassel	11
Norman County		
Aarestad Brothers	Halstad	55
Carlson, Milton E.	Halstad	90
Volkerding, Earl C.	Ada	60
Pennington County		
Krbechek, Leroy	Goodridge	6
Polk County		
Bauer, George W.	Crookston	30
Douglass, R. L. Co.	East Grand Forks	328
Flaskerud, Melvin	Fosston	20
Hanson, Herbert M.	East Grand Forks	50
Kluzak, Richard	Rte. 1, East Grand Forks	21
Krueger, Richard	East Grand Forks	383/2
Taus, Ernest	Angus	10
Renville County		
Stomberg Brothers	Sacred Heart	35
Ziller, Anthony	Bird Island	40
Rice County		
Farmer Seed & Nursery Co.	Faribault	28
Rock County		
Nelson, Fred L.	Luverne	143/2
Stearns County		
Flint, Andrew	Richmond	4
Nietfeld, Conrad	Melrose	13
Schulzetenberg, Lee B.	Rte. 1, Melrose	10
Steele County		
Cashman Seed Co.	Owatonna	10
Watsonwan County		
Erickson, John H.	St. James	33
Winona County		
Jung, Edwin	Altura	9
Out-Of-State		
Newday Seedsmen, Inc.	Fargo, N. D.	250

MARS—is a six-rowed, smooth-awned, stiff-strawed, white aleurone variety that produces good yields of plump, well-filled kernels. It is early in maturity and has high weight per bushel. Mars is resistant to stem rust, moderately resistant to net blotch, moderately susceptible to mildew, scab, and spot blotch, and susceptible to loose smut and stripe. The seeds of Mars are small and low in diastatic activity and are, therefore, considered undesirable for

BARLEY—Continued

Name of Grower	Post Office	Acres
MARS—Continued		
malting purposes. Probably the chief advantage of Mars is its strong straw. In this respect it exceeds any other barley variety previously grown in Minnesota. It was developed by the Minnesota Agricultural Experiment Station from a cross of Minn. No. 462 x Peatland.		
Freeborn County		
Vollum, Martin & Son	Rte. 2, Albert Lea	15
MOORE —is a high-yielding, six-rowed, smooth-awned, white aleurone variety with moderately stiff straw. It is late in maturity. It is moderately resistant to stem rust and spot blotch. It is susceptible to leaf rust, barley stripe, and loose smut. It has also shown unusual susceptibility to net blotch, particularly at Crookston. In malting and brewing trials to date it has proved satisfactory. It appears to have greatest promise as a malting variety for the southern one-half of Minnesota. It was developed at the Wisconsin Agricultural Experiment Station. Its pedigree includes Lion, Oederbrucker, Chevron, and Olli.		
Blue Earth County		
Ramy Seed Co.	Mankato	25
Clay County		
Schultz, Paul	Glyndon	9
Dakota County		
Lick, H. & A.	Rte. 1, Northfield	25
Trapp, Henry W.	Hastings	8
Faribault County		
Meyer, Wm. & Son	Blue Earth	9
Willette, Donald A.	Delavan	14
Freeborn County		
Vollum, Martin & Son	Rte. 2, Albert Lea	7
Grant County		
Lacey, Clarence	Wendell	10
Thiel, George L.	Wendell	14
Le Sueur County		
Minnesota Valley Canning Co.	Le Sueur	59
Pinney, Carl	Le Sueur	27
Stangler, Elmer J.	Kilkenny	8
Lyon County		
Hovdesven & Son	Cottonwood	12
Lau Seed Co.	Tracy	20
Meeker County		
Haapala, Levi & Son	Dassel	8
Ness, Oscar	Rte. No. 2, Litchfield	8
Murray County		
Nantkes, Jesse J.	Fulda	20
Richardson, Handly C.	Tracy	20
Polk County		
Vanek, Curtis M.	Angus	25
Rice County		
Farmer Seed & Nursery Co.	Faribault	13
Sibley County		
Lindstrand, Emil D.	Winthrop	15
Stevens County		
Leuty, George Jr.	Hancock	30
Morton, J. L.	Hancock	30
Yellow Medicine County		
Velde, Therol	Granite Falls	10
PEATLAND —For all sections.		
Peatland is a rough-awned variety with white aleurone which has yielded better than most other varieties of barley on peat soils as shown by several years' test. Peatland also has yielded well on mineral soils and is popular in some sections of Northern Minnesota. It is moderately resistant to spot blotch, stem rust, loose smut, and scab, but is susceptible to stripe. It is a selection from the variety called Switzerland.		
Mille Lacs County		
Odegard & Thompson	Princeton	50
Pine County		
Howe & Munkberg	Henriette	24

BROME GRASS

FISHER

Fisher brome grass has proved of value in mixtures with alfalfa and other legumes for both hay and pasture. It was selected in Iowa. It is a southern strain and starts growth earlier in the

BROME GRASS—Continued

Name of Grower	Post Office	Acreage
FISHER—Continued		
Spring than Canadian brome and is recommended for Central and Southern Minnesota. Three-year data are available.		
Anoka County		
Anderson, John E.	Cedar	4
Lyon County		
Josephson, S. Frank	Minneota	8
Schultz, Floyd C.	Amiret	5
LINCOLN—For Central and Southern Minnesota.		
Lincoln was selected in Nebraska and has proved of value in mixtures with alfalfa and other legumes for both hay and pasture. It is a southern strain and starts growth earlier in the spring than Canadian brome and is recommended for Central and Southern Minnesota.		
Cottonwood County		
Crippen, Frank P.	Sanborn	9
Carver County		
Neilen, Norman J.	Bongards	4½
Murray County		
Schwab, Joseph C.	Fulda	10
Out-Of-State		
Newday Seedsmen, Inc.	Fargo, N. D.	185

MEDIUM RED CLOVER

WEGENER—For all Sections.

Wegener is a strain grown for a number of years by E. C. Wegener, Bertha, Minnesota. It is adapted to Minnesota conditions, is a good forage and seed yielder, and makes a good second cutting.

Blue Earth County		
Schmiesing, L. H.	Box 326, Vernon Center	6½
Faribault County		
Johnson, E. L. & Son	Winnebago	8
Le Sueur County		
Maxwell, Milton F.	Le Sueur	9
Olmsted County		
Carpenter, Clarence A.	Dover	4
Woolley, Ralph M.	Rte. No. 3, Rochester	3
Ottertail County		
Cordes, Leonard E.	Henning	35
Cordes, Mel E.	Henning	62
Wegener, Myrton	Bertha	20
Rice County		
Fausch, George	Morristown	2
Todd County		
Wegener, E. C.	Bertha	28
Waseca County		
Strohl, Joseph	Janesville	5½
MIDLAND—For all sections.		
Midland—is a blend of strains from Ohio, Indiana, Illinois, and Iowa, produced by cooperation of several Midwest experiment stations and the United States Department of Agriculture. Under Minnesota conditions, it is equal to Wegener in forage yield for both first and second cuttings and is a good seed producer.		
Brown County		
Kjelshus, Erwin	Hanska	25
Le Sueur County		
Simpson, C. V.	Waterville	28
Stoering, Hugo E.	Waterville	20
Sunderman, Kenneth	Le Sueur	2
McLeod County		
Reiner, Leo	Stewart	10
Pope County		
Helstrand, Andrew	Hancock	4
Waseca County		
Strohl, Joseph	Janesville	11

CLOVER—BIENNIAL SWEET

EVERGREEN—is a white blossom introduction from Ohio. It makes a larger growth in the fall on the seeding year, is a heavy forage producer the second year, and comes to full bloom two to three weeks later than common types. Therefore, it will produce a longer grazing season.

Jackson County		
Hartberg Brothers	Heron Lake	15

BIRDSFOOT TREFOIL

Name of Grower	Post Office	Acreage
EMPIRE LOTUS —is a variety of broadleaf Birdsfoot trefoil grown in New York State. It is winter hardy under Minnesota conditions. Birdsfoot trefoil of Italian origin is being offered for sale at a considerably lower price than Empire, but preliminary trials indicate it is not as winter hardy as Empire.		
Norman County		
Ingberg, Chester	Ada	10
Hoff, Alvin	Perley	10
Steele County		
Cummins, Joseph F.	308 S. Cedar, Owatonna	4
Out-Of-State		
Newday Seedsmen, Inc.	Fargo, N. D.	12

CORN (Hybrid Field)

MINHYBRID 403		
A yellow hybrid. Maturity 106-110 days.		
Pedigree (C11 x C14) (A374 x A375)		
Renville County		
Enestvedt Bros.	Sacred Heart	40
Washington County		
Welander, George E.	Stillwater	3
MINHYBRID 404		
A yellow hybrid. Maturity 108-112 days.		
Pedigree (A322 x A334) (A374 x A375)		
Brown County		
Leitschuh, Henry	Sleepy Eye	4
Faribault County		
Meyer, Wm. & Son	Blue Earth	2
Houston County		
Hempstead & Sons	Houston	3
Le Sueur County		
Pinney, Carl	Le Sueur	13
Steele County		
Cashman Seed Co.	Owatonna	7
Nelson, E. A.	Rte. 1, Ellendale	9
Waseca County		
Miller, Eugene P.	Rte. 4, Waseca	8
Washington County		
Welander, George	Stillwater	3
MINHYBRID 405		
A yellow hybrid. Maturity 110-114 days.		
Pedigree (A311 x A334) (A374 x A375)		
Faribault County		
Meyer, Wm. & Son	Blue Earth	2
Houston County		
Hempstead & Sons	Houston	5
Le Sueur County		
Pinney, Carl	Le Sueur	5
Washington County		
Welander, George	Stillwater	2
MINHYBRID 406		
A yellow hybrid. Maturity 111-115 days.		
Pedigree (A25 x A334) (A78 x A375)		
Faribault County		
Meyer, Wm. & Son	Blue Earth	4
Sendelbach, Joe	Wells	5½
Freeborn County		
Albert Lea Seed House	Albert Lea	5
Houston County		
Hempstead & Sons	Houston	6
Steele County		
Nelson, E. A.	Rte. 1, Ellendale	5
MINHYBRID 408		
A yellow hybrid. Maturity 113-117 days.		
Pedigree (A73 x A375) (Oh 51A x Os 420)		
Brown County		
Olstad, Porter	Rte. 1, Hanska	7
Faribault County		
Meyer, Wm. & Son	Blue Earth	4
Sendelbach, Joe	Wells	3½

CORN (Hybrid Field)—Continued

Name of Grower	Post Office	Acreage
MINHYBRID 408—Continued		
Freeborn County		
Albert Lea Seed House	Albert Lea	10
Magnuson, Ephraim	Rte. 1, Austin	5
Houston County		
Hempstead & Son	Houston	3
Le Sueur County		
Krenik Bros.	Madison Lake	7
Pinney, Carl	Le Sueur	12
Sunderman, Kenneth	Le Sueur	14
Mower County		
Zimmerman, R. L.	Racine	3
Nicollet County		
Anderson, N. E. & Son	Rte. 3, St. Peter	2
Renville County		
Enestvedt Bros.	Sacred Heart	20
Rice County		
Faribault F. F. A.	Faribault	3
MINHYBRID 500		
A yellow hybrid. Maturity 104-108 days.		
Pedigree (A71 x A73) (A7 x A12)		
Goodhue County		
Hinrichs, E. R. & H. C.	Red Wing	6
Mower County		
Zimmerman, R. L.	Racine	13
Olmsted County		
Woolley, Ralph M.	Rte. 3, Rochester	8
Winona County		
Todd, Lester & Sons	Altura	4
MINHYBRID 503		
A yellow hybrid. Maturity 105-109 days.		
Pedigree (A73 x A334) (Oh. 51A x A375)		
Dodge County		
Wright, Leslie L.	West Concord	6½
Faribault County		
Meyer, Wm. & Son	Blue Earth	1
Le Sueur County		
Pinney, Carl	Le Sueur	16
Simpson, C. V.	Waterville	11
Sunderman, Kenneth	Le Sueur	8
Meeker County		
Johnson, Rudolph C.	Rte. 1, Dassel	8
Peterson Seeds, C. J.	Dassel	25
Mower County		
Zimmerman, R. L.	Racine	4
Scott County		
Walerius, Edmund	New Prague	5
Steele County		
Cashman Seed Co.	Owatonna	10
Johnson, Hiram	Rte. 1, Ellendale	10
Lindesmith, Emery L.	Owatonna	20
MINHYBRID 504		
A yellow hybrid. Maturity 107-111 days.		
Pedigree (A73 x A334) (Oh. 51A x A395)		
Brown County		
Leitschuh & Seidl	Sleepy Eye	10
Chippewa County		
Evans, John W.	Montevideo	18
Fanberg Seed Company	Kerkhoven	10
Cottonwood County		
Franz, Sam & Son	Mountain Lake	8
Dodge County		
Wright, Leslie L.	West Concord	5
Freeborn County		
Magnuson, Ephraim	Rte. 1, Austin	8
Magnuson, Selmer G.	Rte. 1, Austin	14
Le Sueur County		
Krenik Brothers	Madison Lake	8
McLeod County		
Nelson, Ancher	Hutchinson	8
Mower County		
Spinler, Charles F.	Blooming Prairie	5
Zimmerman, R. L.	Racine	27

CORN (Hybrid Field)—Continued

Name of Grower	Post Office	Acreage
MINHYBRID 504—Continued		
Nicollet County		
Anderson, N. E. & Son	Rte. 3, St. Peter	10
Olmsted County		
Woolley, Ralph M.	Rte. 3, Rochester	3
Steele County		
Nelson, E. A.	Rte. 1, Ellendale	9
MINHYBRID 602		
A yellow hybrid. Maturity 98-102 days.		
Pedigree (A357 x A392) (A334 x A344)		
Stearns County		
Lenzmeier, R. M.	Box 466, St. Cloud	15
MINHYBRID 607		
A yellow hybrid. Maturity 97-101 days.		
Pedigree (A357 x A385) (A334 x A344)		
Le Sueur County		
Pinney, Carl	Le Sueur	8
Meeker County		
Benson, Oscar	Dassel	10
Johnson, Rudolph C.	Rte. 1, Dassel	9
Lundin, George	Dassel	7
Peterson Seeds, C. J.	Dassel	31
Stevens County		
Bridgford, Roy O.	Morris	8
MINHYBRID 608		
A yellow hybrid. Maturity 99-103 days.		
Pedigree (A334 x A340) (A357 x A392)		
Chippewa County		
Fanberg Seed Company	Kerkhoven	10
Dodge County		
Wright, Leslie L.	West Concord	14
Freeborn County		
Magnuson, Ephraim	Rte. 1, Austin	15
Magnuson, Selmer G.	Rte. 1, Austin	19
Goodhue County		
Hinrichs, E. R. & H. C.	Red Wing	7
Lac Qui Parle County		
Volkenant, Alfred G.	Odessa	5
Le Sueur County		
Simpson, C. V.	Waterville	2
Martin County		
Grathwohl, Elmer	Rte. 2, Fairmont	4
Meeker County		
Benson, Oscar	Dassel	9
Dahlman, Albin & Sons	Dassel	10
Dahlman, Arthur E.	Rte. 1, Dassel	9
Haapala, Levi & Sons	Dassel	14
Johnson, Rudolph C.	Rte. 1, Dassel	6
Peterson Seeds, C. J.	Dassel	26
McLeod County		
Nelson, Ancher	Hutchinson	20
Nicollet County		
Anderson, N. E. & Son	Rte. 3, St. Peter	4
Ramsey County		
Batz, C. P.	Box 3503, St. Paul	30
Renville County		
Enestvedt Bros.	Sacred Heart	42
Stearns County		
Lenzmeier, R. M.	Box 466, St. Cloud	6
Steele County		
Cashman Seed Co.	Owatonna	24
Lindesmith, Emery L.	Owatonna	30
MINHYBRID 706		
A white hybrid. Maturity 90-94 days.		
Pedigree (A34 x A171) (A166 x A188)		
Chippewa County		
Evans, John W.	Montevideo	10
Fanberg Seed Co.	Kerkhoven	10
WISCONSIN 240		
Flint Dent hybrid. Maturity 82-86 days		
Pedigree (W-D x W9) (W85 x W15)		
Out-Of-State		
Jacques Seed Co.	Prescott, Wisconsin	55

CORN (Hybrid Field)—Continued

Name of Grower	Post Office	Acreage
WISCONSIN 255		
Yellow dent hybrid. Maturity 82-86 days. Pedigree (W-D x W9) (W-J x W-H)		
Meeker County		
Dahlman, Arthur E.	Rte. 1, Dassel	6
Renville County		
Troy Seed Co.	Olivia	45
WISCONSIN 275		
A yellow hybrid. Maturity 82-86 days. Pedigree (W33 x W25) (W47 x W643)		
Meeker County		
Benson, Oscar	Dassel	16
Dahlman, Arthur E.	Rte. 1, Dassel	10
Johnson, Rudolph C.	Rte. 1, Dassel	15
Nelson, Gottfred & Sons	Darwin	20
Peterson Seeds, C. J.	Dassel	55
Pine County		
Shuey, Clair	Pine City	15
Sibley County		
Rush River Farms	Le Sueur	69
Out-Of-State		
Jacques Seed Co.	Prescott, Wisconsin	80
WISCONSIN 275A		
Clay County		
Wahl Seed Farms	Hitterdal	15
Meeker County		
Benson, Oscar	Dassel	5
Johnson, Rudolph C.	Rte. 1, Dassel	8
Lundin, George	Dassel	7
Renville County		
Enestvedt Bros.	Sacred Heart	25
WISCONSIN 279		
A yellow hybrid. Maturity 86-90 days. Pedigree (9 x M13) (D x 49)		
Chippewa County		
Fanberg Seed Company	Kerkhoven	40
Meeker County		
Benson, Oscar	Dassel	12
Haapala, Levi & Sons	Dassel	12
Johnson, Rudolph C.	Rte. 1, Dassel	32
Lundin, George	Dassel	26
Nelson, Gottfred & Sons	Darwin	18
Peterson Seeds, C. J.	Dassel	45
Rice County		
Minnesota Seed Company	Faribault	90
Sibley County		
Rush River Farms	Le Sueur	40
WISCONSIN 341		
Maturity 92-96 days.		
Meeker County		
Nelson, Gottfred & Sons	Darwin	12
Renville County		
Troy Seed Co.	Olivia	101
Rice County		
Minnesota Seed Co.	Faribault	48
WISCONSIN 341A		
Meeker County		
Nelson, Gottfred & Sons	Darwin	10
WISCONSIN 355		
Maturity 89-98 days.		
Chippewa County		
Fanberg Seed Company	Kerkhoven	40
Meeker County		
Benson, Oscar	Dassel	29
Dahlman, Albin & Sons	Dassel	10
Dahlman, Arthur E.	Rte. 1, Dassel	28
Haapala, Levi & Sons	Dassel	23
Johnson, Rudolph C.	Rte. 1, Dassel	54
Lundin, George	Dassel	34
Nelson, Gottfred & Sons	Darwin	25
Peterson Seeds, C. J.	Dassel	64

CORN (Hybrid Field)—Continued

Name of Grower	Post Office	Acreage
WISCONSIN 355—Continued		
Pine County		
Shuey, Clair	Pine City	5
Renville County		
Troy Seed Co.	Olivia	45
Rice County		
Minnesota Seed Co.	Faribault	111
Sibley County		
Rush River Farms	Le Sueur	87
WISCONSIN 416		
Maturity 101-105 days.		
Chippewa County		
Fanberg Seed Company	Kerkhoven	10
Meeker County		
Haapala, Levi & Sons	Dassel	7
Holmquist, David	Rte. 1, Dassel	6
Johnson, Rudolph C.	Rte. 1, Dassel	10
Washington County		
Welander, George E.	Stillwater	5
WISCONSIN 464		
Maturity 101-105 days.		
Meeker County		
Benson, Oscar	Dassel	16
Haapala, Levi & Sons	Dassel	10
Nelson, Gottfred & Sons	Darwin	5
Peterson Seeds, C. J.	Dassel	9
Washington County		
Welander, George E.	Stillwater	4
NODAK 301		
A yellow hybrid. Maturity 82-86 days. Pedigree (A90 x A111) (N. D. 203 x N. D. 230)		
Clay County		
Wahl Seed Farms	Hitterdal	12
Meeker County		
Nelson, Gottfred & Sons	Darwin	25
Norman County		
Johnson, Emil A.	Perley	3 1/2
Renville County		
Enestvedt Bros.	Sacred Heart	20
Troy Seed Co.	Olivia	50
Rice County		
Minnesota Seed Co.	Faribault	69

POPCORN

MINHYBRID 250

Minhybrid 250 is a cross of Japanese Hull-less inbred lines 1 and 6. In trials at University Farm it has yielded 10 per cent more ear corn than standards Japanese Hull-less, has given 29 per cent greater popping volume, is somewhat earlier in time of maturity and somewhat less susceptible to smut. Ears are white, 3 to 4 inches long, and uniformly cylindrical in shape.

Rice County	Farmer Seed & Nursery Co.	Faribault	62
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COMMERCIAL CERTIFIED HYBRID SEED CORN

Batz, C. P., P. O. Box 3503, St. Paul, Minnesota			
Top Notch 100			20
Top Notch 110			10
Top Notch 115			30
Batz 417			20
Batz 517			30
Batz 607			10
Cargill, Inc., Corn Division 3444 Dight Ave., Mpls., Hennepin Cty.			
87 N			23
90 N			175
95 N			375
98 N			30
100 N			100
105 N			161
108 N			222
110 N			130
112 N			35
115 N			80

**COMMERCIAL CERTIFIED HYBRID SEED CORN—
Continued**

Name of Grower	Post Office	Acreage
Cashman's Seed Company, Owatonna	Steele County	
Cashman's B-12		10
Farmer Seed & Nursery Co., Faribault	Rice County	
F-21		25
F-32		14
F-33		13
F-41		16
F-60A		33
F-82		30
F-83		30
F-84		24
F-101A		30
F-106A		20
Haapala, Levi & Sons, Dassel	Meeker County	
H 130		40
H 270		25
H 300		12
H 352		16
H 354		15
H 358		21
H 360		10
H 360A		15
H 400		40
H 409		20
H 410		11
Jacques Seed Company, Prescott, Wisconsin		
853J		80
901J		178
901JA		25
956JA		180
957JA		8
1003J		116
1004J		20
1053J		65
1057J		15
1107JA		10
1205J		20
Leitschuh, Henry, Sleepy Eye	Brown County	
Minowa 110		18
Magnuson, Selmer G., Rte. 1, Austin	Freeborn County	
C-300		10
Minnesota Seed Co., Faribault	Rice County	
Master 31		15
LOL 85		82
LOL 90		73
LOL 95		12
LOL 100		238
LOL 105		28
LOL 110		40
LOL 116		15
Nelson, Gottfred & Sons, Darwin	Meeker County	
N 17		20
N 23		30
N 35		10
N 37		6
N 61		6
Northrup, King & Co., 1500 Jackson St. N. E., Mpls., Hennepin Cty.		
KF		125½
KE 3		152½
KE 2		169½
KE 7		23
KE 1		180
KH		80
KH 3		17
KO		147
KO 5		36½
KR 2		129
KY		145½
KY 4		34
K 3A		28½
KS 2		317
KS 3		28
M 2		555
KA 4		200
KS 4		61
KS 6		512
KN 1		115
KL		271
KT		273

**COMMERCIAL CERTIFIED HYBRID SEED CORN—
Continued**

Name of Grower	Post Office	Acreage
Peterson Seeds, C. J., Dassel	Meeker County	
85 D		7
90 D		10
95 D		9
101 D & 105 D		15
Pride Hybrid Company, Dassel	Meeker County	
PN 22		30
PN 34		30
B 45A		70
B 38A		30
PN 47		10
PN 48		16
PN 51		40
PN 55		16
D 56		30
B 17A		60
B 23A		35
D 32A		30
D 36		30
PN 1		12
B 5		20
B 3A		20
PN 16		20
Simpson, C. V., Waterville	Le Sueur County	
Tetonka 418		8
Tetonka 303		20
Tetonka 209		10
Superior Seed Growers Ass'n., Mountain Lake	Cottonwood County	
Superseed 450		7
Superseed 550		12
Superseed 650		8
Troy Seed Co., Olivia	Renville County	
B 45		20
C 57		18
C 59		35
D 69		50
F 99		25
F 103		18

FLAX

B 5128 has been immune from races of rust common in the United States but is susceptible to pasmo. It has high-yielding ability, is late in maturity and moderately susceptible to wilt. The oil content and quality are similar to Bison. It was developed at the North Dakota station.

Clay County		
Moorhead Seed & Grain Co.	Moorhead	448
Sauers, Clifford T.	Glyndon	68
Lyon County		
Huso Brothers	Minneota	100
Martin County		
Fairmont Farm Store	Fairmont	20
Pipestone County		
Beyers, Arthur	Holland	50
Polk County		
Schipper, Edward	Crookston	65

DAKOTA—For all sections.

Dakota is brown-seeded, high-yielding variety, midseason in maturity, resistant to rust, and moderately susceptible to pasmo. It is similar to Redwing in oil content and iodine number. This variety appears to be well adapted to a wide range of environmental conditions. It is a selection from a cross of Renew x Bison that was first introduced in North Dakota.

Brown County		
Maas, Lester E.	Rte. 1, Sleepy Eye	8
Cottonwood County		
Bondhus, Orval	Storden	2
Faribault County		
Willette, Donald A.	Delavan	14
Grant County		
Thiel, George L.	Wendell	10
Hennepin County		
Jensen, Josephine J.	2936 Dean Blvd., Mpls.	38
Jackson County		
Rubis, Steve, Jr.	Lakefield	9

FLAX—Continued

Name of Grower	Post Office	Acreage
DAKOTA—Continued		
Lac Qui Parle County		
Rehehn, Fred	Louisburg	21
Sather, Sigfred J. & Son	Madison	20
Le Sueur County		
Stangler, Elmer J.	Kilkenny	14
Stoering, Hugo E.	Waterville	5
Sunderman, Kenneth	Le Sueur	15
Lyon County		
Huso Brothers	Minneota	100
Martin County		
Fairmont Farm Store	Fairmont	75
Meeker County		
Evenson, Kenneth	Rte. 2, Litchfield	15
Haapala, Levi & Sons	Dassel	20
Murray County		
Nantkes, Jesse J.	Fulda	31
Renville County		
Buscho, Harold	Morton	15
Nelson, Melvin C.	Sacred Heart	52
Sibley County		
Brown, Carl F.	Rte. 1, Box 127, Winthrop	25
Lindstrand, Emil D.	Winthrop	13
Stevens County		
Leuty, George, Jr.	Hancock	160
Leuty, Robert J.	Hancock	40
Swift County		
Engleson Seed Farm	Danvers	44
Yellow Medicine County		
Rosetter, Clarence	Granite Falls	60

KOTO—For all sections.

Koto is a brown-seeded, high-yielding variety, midlate in maturity, resistant to wilt, and moderately susceptible to pasmo. It can be distinguished from Redwing by its characteristic dark blue flowers. It has medium seed size and satisfactory oil content and quality. Koto is resistant to most races of rust common in the United States. It is a selection from a cross of (Russian x Argentine) x Bison, made at the Northern Plains Field Station, Mandan, North Dakota.

Lyon County

Hennen, L. J.	Minneota	30
Huso Brothers	Minneota	50
Lau Seed Co.	Tracy	12

Yellow Medicine County

Eid, James E.	Montevideo	8
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MINERVA FLAX—For all sections.

Minerva is a yellow-seeded, good-yielding variety, moderately resistant to rust. While this variety has been moderately susceptible to late wilt at University Farm, it has been much more resistant at Fargo. It is moderately resistant to pasmo. It has exceeded all varieties in percentage of oil content and the oil quality is similar to that of Redwing. The straw is known to be slightly less valuable for fiber for paper production. It is a selection made in Minnesota from a backcross of C. I. 649 x Bison.

Brown County

Losleben, Arnold & Son	Rte 2, Sleeply Eye	3
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Clay County

Moorhead Seed & Grain Co.	Moorhead	70
Rensvold, Herman	Moorhead	70

Grant County

Thiel, George L.	Wendell	10
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Norman County

Hoff, Alvin O.	Perley	60
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REDWING FLAX—For southern Minnesota.

Redwing is well adapted for growing in Southern and Central Minnesota but not in Northwestern Minnesota. It has done well also in Koochiching and Lake of the Woods counties and in parts of Roseau county. It is early in maturity, moderately resistant to wilt and susceptible to pasmo and rust. The seed is of medium size and produces an oil of high-drying quality. It was selected at the Minnesota Agricultural Experiment Station from Acc. No. 91.

Murray County

Nantkes, Jesse J.	Fulda	30
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OATS

Name of Grower	Post Office	Acreage
AJAX —is a Canadian variety of oats with white glume color, was selected from a cross of Victory x Hajira. It, like Shelby, is later in maturity than Bonda, Mindo, Clinton, and Andrew. Ajax has been outstanding in yielding ability on the average and is similar to Shelby in standing ability. It is less desirable than the other recommended varieties in weight per bushel.		
Dodge County		
Bielenberg Bros.	Dodge Center	9
Grant County		
Lacey, Clarence	Wendell	4
Isanti County		
Anderson, M. L.	Rte. 1, Cambridge	80
Cambridge Feed & Mill Co.	Cambridge	84
Pearson, Albin	Cambridge	65
Le Sueur County		
Stoering, Hugo E.	Waterville	25
Meeker County		
Haapala, Levi & Sons	Dassel	20
Pine County		
Hendrickson, Willard	Rush City	30
Polk County		
Carpenter, H. L. & Harold Ewing	Crookston	60
Ramsey County		
Batz, C. P.	Box 3503, St. Paul	40
Rice County		
Minnesota Seed Co.	Faribault	30
Washington County		
Wright, Leslie L.	West Concord	40
Out-Of-State		
Newday Seedsmen, Inc.	Fargo, N. D.	40
Rieland Seed Co.	Onalaska, Wis.	5

ANDREW—is an open-panicked, yellow-grained, early maturing oat that has excelled in yielding ability in cooperative trials arranged by the United States Department of Agriculture throughout the Corn Belt. It has good weight per bushel, excellent standing ability, and a low hull percentage. It is similar to Clinton in plant height. It was selected at the Minnesota Agricultural Experiment Station from a cross of Bond x Rainbow.

Becker County

Olson, Oscar J.	Lake Park	18
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Benton County

Hromatka, Henry	Rte. 2, Foley	7
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Blue Earth County

Bluhm, Henry	Mapleton	25
Ramy Seed Co.	Mankato	73
Ulmen, Martin	Rte. 1, Mankato	16

Brown County

Maas, Lester E.	Rte. 1, Sleepy Eye	16
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Carver County

Drew, Bill	Watertown	1½
Kloos, Walter H.	Chaska	5
Radde, Jerry	Watertown	2

Chippewa County

Asche, Joest, Jr.	Clara City	6
Hagemeyer, H. S.	Clara City	15

Clay County

Brantner, Perry	Georgetown	38
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Dakota County

Trapp, Henry W.	Hastings	10
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Douglas County

Brakken, Anton & Son	Carlos	12
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Fillmore County

Maloney, Arthur	Spring Valley	46
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Freeborn County

Vollum, Martin & Son	Rte. 2, Albert Lea	19
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Hennepin County

Dodds, Walter R.	Osseo	8
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Isanti County

Hjeltman, Arthur	Rte. 1, Cambridge	16
Johnson Brothers	Rte. 2, Box 53, Cambridge	49
Steinbring, Alton	Isanti	3½

Jackson County

Teig, Alfred	Jackson	30
Winzer, Charles A.	Heron Lake	20

Kanabec County

Caywood, Roy	Rte. 3, Mora	30
Wodtke, William	Rte. 2, Ogilvie	20

OATS—Continued

Name of Grower	Post Office	Acreage
ANDREW—Continued		
Kandiyohi County		
Jurgens, Floyd W.	Rte. 2, Willmar	11
Lac Qui Parle County		
Rebehn, Fred	Louisburg	10
Le Sueur County		
Simpson, C. V.	Waterville	31
Stangler, Elmer J.	Kilkenny	12
Stoering, Arthur T.	Rte. 1, Waterville	35
Stoering, Hugo E.	Waterville	30
Lincoln County		
Evers, Gust	Lake Benton	10
Lyon County		
Dovre, Knute	Minneota	38
Hennen, L. J.	Minneota	20
Knief, Cecil	Marshall	10
Lau Seed Co.	Tracy	50
Marshall County		
Satre, Grant	Grygla	10
Tandberg, Peter	New Folden	7
Martin County		
Gould, Orrin E.	Rte. 3, Fairmont	12
Meeker County		
Dahlman, Arthur E.	Rte. 1, Dassel	11
Mower County		
Freiert, Esther T.	Waltham	15
Olson, James L.	Austin	24
Zimmerman, R. L.	Racine	25
Murray County		
Gervais, Hugh B.	Currie	20
Norman County		
Aarestad Bros.	Halstad	65
Olmsted County		
Nelson, Robert J.	Rte. 3, Rochester	4
Riser, Harold J.	Dover	12
Ottertail County		
Torgerson, Paul	Fergus Falls	5
Pine County		
Robinson Poultry Farm	Pine City	3
Polk County		
Bredlie, Elmer	Eldred	20
Torgerson, Orrin	Rte. 4, Fosston	12
Red Lake County		
Turgeon, W. W.	Oklee	72
Renville County		
Buscho, Harold	Morton	7
Ziller, Anthony	Bird Island	25
Rice County		
Minnesota Seed Co.	Faribault	18
Rock County		
Hansen, W. Ray	Luverne	8
Stearns County		
Schrom, Ed. J.	Albany	21
Steele County		
Cashman Seed Co.	Owatonna	39
Stevens County		
Morton, J. L.	Hancock	40
Swift County		
Elliott, Lloyd L.	Benson	20
Wilkin County		
Friederichs, Wm.	Foxhome	58
Winona County		
Papenfuss, Victor	Rte. 2, Winona	10
Wright County		
Illstrup, H. Vernon	Buffalo	10
Yellow Medicine County		
Velde, Therol	Granite Falls	24
Out-Of-State		
Freiert, Esther T.	1711 Douglas St. Sioux City 18, Iowa	15
Newday Seedsmen, Inc.	Fargo, N. D.	38

OATS—Continued

Name of Grower	Post Office	Acreage
BONDA —is a good-yielding, open-panicked, early maturing oat with a yellowish-white, large-sized grain of superior bushel weight. The straw is taller than that of Mindo or Clinton. It is about equal to Clinton and Mindo in standing ability. Bonda was selected at the Minnesota Agricultural Experiment Station from a cross of Bond x Anthony.		
Blue Earth County		
Ramy Seed Co.	Mankato	109
Dakota County		
Empey, C. W.	Farmington	118
Greenvale Farms	Rosemount	89
Lick, H. & A.	Rte. 4, Northfield	25
Trapp, Roy F.	Kenyon	15
Dodge County		
Hokanson Bros.	Dodge Center	27
Wright, Leslie L.	West Concord	15
Faribault County		
Huper, Louis	Wells	49
Johnson, E. L. & Sons	Winnebago	90
Willette, Donald A.	Delavan	28
Fillmore County		
Bigalk, Harry A. & Sons	Harmony	18
Crowell, Wm. R.	Wykoff	10
Harmony Feed & Fuel	Harmony	20
Freeborn County		
Borge, Sig. & Son	Hartland	6
Erhardt, George	c/o Albert Lea Seed House Albert Lea	10
Meister & Murphy	401 Burr Oaks, Austin	20
Vollum, Martin & Son	Rte. 2, Albert Lea	40
Goodhue County		
Hinrichs, Henry C.	Rte. 4, Red Wing	10
Quamme, H. B.	Kenyon	45
Hennepin County		
Haeg, Elmer	24th Ave. & 66th St. So., Mpls. 19	3
McKown, Ira E.	Rte. 1, Maple Plain	6
Northrup, King & Co.	Mpls.	12
Houston County		
Feldmeier, Anthony A.	Rte. 1, Houston	12
Hendel, George J.	Caledonia	32
Isanti County		
Hjeltman, Arthur	Rte. 1, Cambridge	21
Johnson Bros.	Rte. 2, Box 53, Cambridge	8
Kanabec County		
Pearson, W. B. & Son	Ogilvie	15
Kittson County		
Ash, Leo A.	St. Vincent	6
Le Sueur County		
Minnesota Valley Canning Co.	Le Sueur	43
Simpson, C. V.	Waterville	19
Stoering, Hugo E.	Waterville	23
Stangler, Elmer J.	Kilkenny	4
Sunderman, Kenneth	Le Sueur	85
Lincoln County		
Wollum, Nels	Porter	60
Lyon County		
Huso Bros.	Minneota	40
Martin County		
Fairmont Farm Store	Fairmont	30
Grathwohl, Elmer	Rte. 2, Fairmont	100
McLeod County		
Graupmann, Hillard H.	Biscay	20
Schmalz, A. M.	Lester Prairie	15
Meeker County		
Haapala, Levi & Sons	Dassel	30
Pride Hybrid Co.	Dassel	15
Mower County		
Spring Valley Seed Co.	Spring Valley	42
Zimmerman, R. L.	Racine	20
Murray County		
Gervais, Vincent	Currie	20
Johnson, Herbert F.	Hadley	10
Nantkes, Jesse J.	Fulda	27
Norman County		
Carlson, Milton E.	Halstad	180
Strand Bros.	Perley	12

OATS—Continued

Name of Grower	Post Office	Acreage
BONDA—Continued		
Olmsted County		
Doty, Edwin S.	Rte. 2, Rochester	38
Nietz, Erwin E.	Rte. 2, Rochester	22
Pine County		
Sommer, L. C.	Pine City	9
Polk County		
Campbell, George M.	Crookston	76
Strickler Bros.	Euclid	60
Van Raden, Chester	Fertile	40
Ramsey County		
Batz, C. P.	Box 3503, St. Paul	135
Renville County		
Brookfield Seed Co.	Hector	103
Troy Seed Co.	Olivia	170
Rice County		
Farmer Seed & Nursery Co.	Faribault	29
Minnesota Seed Co.	Faribault	67
Rock County		
Ward, Charles	Hills	16
Scott County		
Walsh, Patrick	Jordan	8
Sibley County		
Rush River Farms	Le Sueur	18
Krueger, Ernst	Arlington	22
Steele County		
Borchert, Fred H.	Blooming Prairie	12
Cashman Seed Co.	Owatonna	50
Stevens County		
Leuty, George Jr.	Hancock	70
Leuty, Robert J.	Hancock	50
Morton, J. L.	Hancock	35
Waseca County		
Miller, Eugene P.	Rte. 4, Waseca	8
Washington County		
Brochman, Charles, Jr.	Rte. 6, St. Paul 9	20
Kendrick, Duane S.	Rte. 9, White Bear Lake	10
Watsonwan County		
Kelsey, Dale	Lewisville	24
Lickfett Elevator Co.	Madelia	17
Wilkin County		
Friederichs, Wm.	Foxhome	40
Winona County		
Lewiston Elev. Co.	Lewiston	25
Papenfuss, Victor	Rte. 2, Winona	5
Persons, Lyman O.	St. Charles	25
Wright County		
Klammer, Erwin H.	Rte. 2, Howard Lake	6
Yellow Medicine County		
Eid, James E.	Montevideo	10
Out-Of-State		
Rieland Seed Co.	Onalaska, Wisconsin	19
CLINTON—is a good-yielding, open-panicked, yellow-grained, early maturing oat with good weight per bushel. It is intermediate in height of straw between Bonda and Mindo. Both Clinton and Andrew have a lower hull percentage than the other recommended varieties. It was selected at the Iowa Agricultural Experiment Station from a cross of D69 x Bond.		
Dodge County		
Wright, Leslie L.	West Concord	12
Faribault County		
Sonnek, Henry	Minnesota Lake	15
Freeborn County		
Borge, Sig & Son	Hartland	26
Ehrhardt, George, c/o Albert Lea Seed House	Albert Lea	10
Goodhue County		
Hinrichs, Henry C.	Rte. 4, Red Wing	5
Houston County		
Hempstead & Sons	Houston	12

OATS—Continued

Name of Grower	Post Office	Acreage
CLINTON—Continued		
Jackson County		
Garber, Ed & Son	Jackson	29
Garber, John	Jackson	44
Garber, Lloyd H.	Jackson	60
Garber, Marvin	Jackson	28
Le Sueur County		
Minnesota Valley Canning Co.	Le Sueur	173
Simpson, C. V.	Waterville	23
Stoering, Hugo E.	Waterville	10
Mower County		
Zimmerman, R. L.	Racine	10
Ramsey County		
Batz, C. P.	Box 3503, St. Paul	296
Rice County		
Farmer Seed & Nursery Co.	Faribault	22
Minnesota Seed Co.	Faribault	377
Winona County		
Lewiston Elev. Co.	Lewiston	20
Out-Of-State		
Enloe, W. J.	Rte. 1, Hudson, Wisconsin	170
JAMES—is a new hull-less variety from South Dakota, selected from the cross (Bond-Double Cross B) x Nakota. It carries the C. I. number 5015. It has excellent standing ability, is intermediate in time of maturity between such varieties as Mindo and Zephyr, and has good yielding ability. Seed may be available in South Dakota.		
Benton County		
Sundborg, Russell W.	Rte. 3, Box 145, Foley	3
Carver County		
Brueschoff, Clemens	Norwood	5½
Cottonwood County		
Immer, Vern	Jeffers	28
Pankratz, H. J.	Mountain Lake	8
Dakota County		
Empey, C. W.	Farmington	95
Trapp, Henry W.	Hastings	8
Dodge County		
Hokanson Bros.	Dodge Center	4
Wright, Leslie L.	West Concord	4
Fillmore County		
Olness, Norman	Peterson	2½
Faribault County		
Gesche, Ivan	Elmore	70
Freeborn County		
Ehrhardt, George, c/o Albert Lea Seed House	Albert Lea	6
Isanti County		
Cambridge Feed & Mill Co.	Cambridge	20
Jackson County		
Hartman, Paul J.	Heron Lake	5
Mews, Fritz	Windom	2
Rentschler, Geo. F.	Lakefield	5
Winzer, Charles A.	Heron Lake	5
Lac Qui Parle County		
Buer, Eldred	Canby	13
Lund, Julius G.	Madison	4
Le Sueur County		
Minnesota Valley Canning Co.	Le Sueur	67
Sunderman, Kenneth	Le Sueur	15
Lincoln County		
Boulton, Jim	Porter	10
Lyon County		
Dovre, Knute	Minneota	8
Hennen, L. J.	Minneota	15
Schultz, Harley	Marshall	10
Simmons, Robert F.	Marshall	9
McLeod County		
Dammann, Lester	Plato	8
Meeher County		
Haapala, Levi & Sons	Dassel	17
Mower County		
Iblings, J. T.	Brownsdale	16
Nicollet County		
Langhorst, Lorenz	Courtland	9

OATS—Continued

Name of Grower	Post Office	Acreage
JAMES—Continued		
Olmsted County		
Rueber, Vyril	Rte. 1, Rochester	6
Pipestone County		
Baker, Arthur	Edgerton	7½
Beyers, Arthur	Holland	50
Polk County		
Flaskerud, Melvin	Fosston	15
Pope County		
Dahlseng Brothers	Starbuck	17
Ramsey County		
Batz, C. P.	Box 3503, St. Paul	42
Renville County		
Farmers Co-op. Elev. Co.	Buffalo Lake	70
Troy Farms	Olivia	100
Rock County		
Hartz, Dale	Luverne	8
Sibley County		
Rush River Farms	Le Sueur	88
Sander, Sidney	Henderson	6
Stevens County		
Leuty, George, Jr.	Hancock	35
Swift County		
Elliott, Lloyd L.	Benson	10
Erickson, Harold C.	Appleton	10
Starrett, Ed. C.	Benson	4
Waseca County		
Kesley Bros.	Rte. 1, Janesville	5
Yellow Medicine County		
Mitchell, Frank L.	Canby	2½
MINDO—is a good-yielding, very early, open-paniced, yellowish oat with good weight per bushel. The straw is short and the variety has good resistance to lodging. Mindo was selected at the Minnesota Agricultural Experiment Station from a cross of Bond x [(Minota x White Russian) x Black Mesdagl.]		
Blue Earth County		
Ramy Seed Co.	Mankato	62
Carver County		
Jopp, Ralph	Mayer	14
Cottonwood County		
Pankratz, H. J.	Mountain Lake	60
Dodge County		
Wright, Leslie L.	West Concord	14
Faribault County		
Hoyt, James A.	Wells	6
Willette, Weldon	Delavan	18
Fillmore County		
Olness, Norman	Peterson	6
Isanti County		
Johnson Bros.	Rte. 2, Box 53, Cambridge	10
Kandiyohi County		
Larson, Carl G.	Rte. 3, Atwater	7
Martin County		
Barke, A. G. & Son	Rte. 1, Fairmont	20
McLeod County		
Field, Guy W.	Hutchinson	10
Mower County		
Angell, Howard & Son	Rte. 2, Austin	3
Pine County		
Howe and Munkberg	Henriette	36
Renville County		
Ziller, Anthony	Bird Island	14
Rice County		
Minnesota Seed Company	Faribault	38
Steele County		
Borchert, Fred H.	Blooming Prairie	12
Waseca County		
Miller, Leo L.	Rte. 2, New Richland	3
Watsonwan County		
Lickfett Elev. Co.	Madelia	16
Winona County		
Papenfuss, Victor	Rte. 2, Winona	5

OATS—Continued

Name of Grower	Post Office	Acreage
SHELBY—is a yellowish-white-grained selection from a cross of Anthony x Bond made in Iowa. It carries the C. I. number 4372. It is as late or slightly later in maturity than Zephyr and Ajax and does not stand up as well as some other recommended varieties although it has a good straw type. On the average it, like Ajax, has yielded somewhat higher than the other recommended varieties. It is superior in weight per bushel although not equal to Bonda and has intermediate size kernels.		
Anoka County		
Jacob, L. O.	Anoka	3½
Becker County		
F. F. A. Frazee	Frazee	5
Londeen Bros.	Callaway	6
Melbye, H. G.	Hitterdal	24
Minderman, Alvin	Frazee	2
Noben, Henry	Lake Park	12
Beltrami County		
Cochran, Virgil	Bemidji	10
Blue Earth County		
Bluhm, Henry	Mapleton	140
Campbell, Don	Lake Crystal	22
Hiniker Bros.	Rte. 3, Mankato	36
Othoudt, Wayne	Lake Crystal	7
Ramy Seed Co.	Mankato	104
Schmiesing, L. H.	Box 326, Vernon Center	8
Schwarz, E. Lester	Vernon Center	8
Ulmen, Martin	Rte. 1, Mankato	10
Brown County		
Maas, Lester E.	Rte. 1, Sleepy Eye	34
Carver County		
Rade, Douglas & John	Waconia	3
Rueschoff, Clemens	Norwood	15
Haasken, Gerhard H.	Cologne	12
Chippewa County		
Asche, Joest, Jr.	Clara City	18
Fanberg Seed Company	Kerhoven	10
Lundberg, Reuben	Milan	7
Tebben, Herman	Clara City	10
Chisago County		
Glenwater Farms	Chisago City	21
Johnson, Ray W.	Almelund	17
Noreen, Leonard	Forest Lake	4½
Clay County		
Goldberg, Max	Moorhead	45
Lemke, Alvin	Baker	26
McEvers, Stephen	Baker	45
Miller, Lyle	Ulen	5
Peterson, Eugene	Baker	80
Tang, Gordon	Averill	25
Tang, Sylvester	Averill	65
Wahl Seed Farms	Hitterdal	6
Clearwater County		
Tangjerd, H. H.	Bagley	45
Cottonwood County		
Lohmeyer, Louis	Mountain Lake	8
Richardson, Eugene	Box 133, Windom	12
Dakota County		
Carroll, Donal J.	Rosemount	10
Carroll, W. L.	Rosemount	10
Emney, C. W.	Farmington	35
Feely, P. H. & Son, Inc.	Farmington	24
Greenvale Farms	Rosemount	18
Jick, H. & A.	Rte. 4, Northfield	6
Schaar, Carl	Rte. 2, Hastings	25
Thye, Edward J.	Rte. 2, Northfield	5
Trapp, Roy F.	Kenyon	5
Dodge County		
Bringgold, Lawrence	West Concord	8
Gerths, Earle J.	Dodge Center	15
Glarnier, Cyril F.	West Concord	6
Grovdahl, Henry	Hayfield	16
Hokanson Bros.	Dodge Center	43
Langmo, Melvin	Dodge Center	8
Larson, John	Kasson	37
Radke, Charles H.	Dodge Center	17
Trapp, Myron	Dodge Center	15
Wright, Leslie L.	West Concord	24
Zeller, Sam	Bird Island	4½

OATS—Continued

Name of Grower	Post Office	Acreage
SHELBY—Continued		
Douglas County		
Brakken, Anton & Son	Carlos	2
Faribault County		
Dickman, Ed. C.	Winnebago	12
Hoyt, James A.	Wells	12
Huper, Louis	Wells	5
Korman, Rolland	Wells	8
Larson, Grant L.	Winnebago	12
Wendt, Oliver	Blue Earth	11
Willette, Donald A.	Delavan	32
Fillmore County		
Rustad, O. J.	Lanesboro	10
Schumacher, Fred	Spring Valley	12
Young, D. J.	Spring Valley	10
Freeborn County		
Bjerke, Henry	Rte. 1, Albert Lea	9
Borge, Sig & Son	Hartland	6
Collins, John F. & J. W. McKean	Hartland	18
Ehrhardt, George, c/o Albert Lea Seed House,	Albert Lea	6
Greenfield, Lyle	Alden	7
Harpedahl Bros.	Hartland	8
Larson, Frank W.	Rte. 1, Albert Lea	18
Magnuson, Ephraim	Rte. 1, Austin	14
Magnuson, Selmer G.	Rte. 1, Austin	19
Meister & Murphy	401 Burr Oaks, Austin	15
Seath, Clarence	Wells	17
Vollum, Martin & Son	Rte. 2, Albert Lea	20
Goodhue County		
Almquist, Carl G.	Rte. 2, Red Wing	8
Cannon Falls F. F. A.	Cannon Falls	10
Haugen, Kasper W.	Kenyon	24
Hinrichs, E. R. & H. C.	Rte. 4, Red Wing	15
Hinrichs, Henry C.	Rte. 4, Red Wing	20
Nodland, Joseph & Son	Zumbrota	8
Pine Island F. F. A.	Pine Island	8
Quamme, H. B.	Kenyon	14
Red Wing F. F. A.	Red Wing	12
Stenlund, Arne H.	Rte. 2, Goodhue	8
Swanson, Hilding V.	Rte. 1, Welch	8
Grant County		
Lacey, Clarence	Wendell	14
Thiel, George L.	Wendell	10
Hennepin County		
Hamilton Bros.	Maple Plain	8
Schulte, Donald	Hamel	9
Schulte, Harold F.	Osseo	6
Houston County		
Hempstead & Sons	Houston	12
Hendel, Geo. J. & Sons	Caledonia	13
Isanti County		
Hjeltman, Arthur	Rte. 1, Cambridge	14
Johnson Bros.	Rte. 2, Box 53, Cambridge	7
Steinbring, Alton	Isanti	3½
Jackson County		
Garber, Ed. & Son	Jackson	26
Garber, John	Jackson	33
Garber, Floyd H.	Jackson	60
Garber, Marvin	Jackson	25
Hartman, Paul J.	Heron Lake	15
Knuth, Wm. H.	Round Lake	10
Rubis, Steve, Jr.	Lakefield	8
Kanabec County		
Pearson, W. B. & Son	Ogilvie	8
Wodtke, Wm.	Rte. 2, Ogilvie	15
Kandiyohi County		
Easterlund, Reynold	Rte. 1, Willmar	7½
Leutticke, Joe	Rte. 1, Willmar	4
Olsen, Howard	Paynesville	8
Lac Qui Parle County		
Ulrich, Fred W.	Big Stone City, S. D.	18
Ulrich, Herbert	Big Stone City, S. D.	10
Wendland, Clifford	Odessa	6

OATS—Continued

Name of Grower	Post Office	Acreage
SHELBY—Continued		
Le Sueur County		
Pete Bros.	Le Center	80
Pinney, Carl	Le Sueur	16
Simpson, C. V.	Waterville	25
Stangler, Elmer J.	Kilkenny	14
Stoering, Arthur T.	Rte. 1, Waterville	40
Stoering, Hugo E.	Waterville	15
Von Lehe, Harold	Rte. 1, Le Sueur	20
Lincoln County		
Boulton, J. A.	Porter	6
Evers, Gust	Lake Benton	10
Friis Bros.	Porter	8
Wollum, Barney	Porter	16
Lyon County		
Huso Bros.	Minneota	20
Marshall County		
Quern, Iner & Oscar	Rte. 2, Box 175, Oslo	22
Strong Bros.	Alvarado	20
Martin County		
Schrooten, John H.	Rte. 1, Fairmont	20
McLeod County		
Dammann, Lester	Plato	10
Frederickson, Kenneth	Rte. 1, Box 102	12
Ondracek, George	Hutchinson	10
Sander, Albert E.	Hutchinson	7
Schmalz, A. M.	Lester Prairie	8
Walters, Ray H.	Glencoe	13
Meeker County		
Anderson, Alfred V.	Dassel	4
Barka, Reuben	Rte. 1, Litchfield	8
Haapala, Levi & Sons	Dassel	25
Liedman, George	Rte. 2, Grove City	7
Nelson, Gottfred & Sons	Darwin	25
Settergren, Victor E.	Dassel	7
Mille Laacs County		
Halverson, Herman	Rte. 4, Milaca	10
Mower County		
Bessen, Wilfred	Rose Creek	9
Goodwin, N. C.	Rte. 1, Austin	9
Holst, H. J.	Brownsdale	36
Krause, Hillary J.	606 W. College, Austin	120
Olof, Walter	Waltham	14
Olson, James L.	Austin	7
Schlichter, Wm., Jr.	Rte. 3, Austin	45
Schroeder Bros.	Grand Meadow	7
Thorkelson, G. F.	Rochester	15
Zimmerman, R. L.	Racine	14
Murray County		
Carter Bros.	Walnut Grove	30
Nelson, James D.	Slayton	5
Radick, Raeburn	Fulda	6
Richardson, Handly	Tracy	19
Nicollet County		
Anderson, N. E. & Son	Rte. 3, St. Peter	10
Kienlen, Jerome & Frederick	New Ulm	7
Langhorst, Lorenz	Courtland	14
Liebl, Louis	Gibbon	8½
Malmberg, Carl	Lafayette	17
Nelson, Hamilton	St. Peter	38
Weldy, Lyle F.	Fairfax	17
Nobles County		
McLeod, S. J.	Kinbrae	24
Peterson, Clinton	Kinbrae	15
Ten Klay, Peter	Adrian	70
Thompson, Glen	Rushmore	10
Norman County		
Hubbell, John D.	Ada	51
Olmsted County		
Baker, Roy	Stewartville	7
Bierbaum, A. J.	Eyota	8
Carpenter, Clarence A.	Dover	9
Delaney, Rex W.	Eyota	8
Doty, Edwin S.	Rte. 2, Rochester	124
Dubbels, Verne	Viola	6
Hoffman, Clifford	Rte. 1, Rochester	40
Meyer, Wm. & Son	Blue Earth	11
Millering, Thomas	Pine Island	10
Moe, Carl O.	Eyota	12

OATS—Continued

Name of Grower	Post Office	Acreage
SHELBY—Continued		
Nelson, Robert J.	Rte. 3, Rochester	5
Nietz, Erwin E.	Rte. 2, Rochester	12
Pike, Ralph H.	Rte. 4, Rochester	10
Rueber, Vyril	Rte. 1, Rochester	8
Vicker, Gordon	Douglas	5
Ottertail County		
Putnam, Alfred	Battle Lake	15
Thompson, Theo. M.	Rte. 1, Fergus Falls	8
Pine County		
Johnson, Lonnie G.	Pine City	18
Pangerl, Frank	Rte. 2, Box 123, Pine City	6
Pipestone County		
Adkins, Carlton	Pipestone	15
Appeldorn, Lou	Pipestone	18
Baker, Arthur	Edgerton	7
McCurdy, Bert	Rte. 2, Pipestone	20
Polk County		
Botko, Thomas	Rte. 3, Warren	5
Campbell, George M.	Crookston	56
Davidson, W. A.	Climax	23
Erickson, Edward D.	420 North First St. E. Grand Forks, Minn.	21
Hotvedt, Norman	East Grand Forks	18
Lee Bros.	Nielsenville	14
Pulkrabek Bros.	Euclid	18
Pulkrabek, Ted	Rte. 1, East Grand Forks	15
Strickler Bros.	Euclid	45
Torgerson, Orrin	Rte. 4, Fosston	7
Pope County		
Bly, H. W.	Hancock	7
Brevig, Andrew	Starbuck	10
Ramsey County		
Batz, C. P.	Box 3503, St. Paul	20
Red Lake County		
Burman, Axel	Trail	12
Weiss, David	Red Lake Falls	18
Redwood County		
Poulsen, Wm.	Redwood Falls	10
Siekara, Frank	Wabasso	15
Renville County		
Berg, Alfred	Sacred Heart	11
Homme, Peter	Sacred Heart	26
Mehlhouse, Lloyd W.	Olivia	10
Troy Farms	Olivia	35
Troy Seed Co.	Olivia	40
Ziller, Anthony	Bird Island	14
Rice County		
Faribault F. F. A.	Faribault	25
Farmer Seed & Nursery Co.	Faribault	48
Hachfeld, Martin	Faribault	6
Minnesota Seed Co.	Faribault	53
Purfeerst, Clarence M.	Rte. 2, Faribault	6
Salaba, Frank E.	Lonsdale	8½
Schrader, Lawrence	Dundas	5
Smith, Wilbert H.	Rte. 2, Faribault	6
Rock County		
Aukes, Roy H.	Steen	21
Hartz, Dale	Luverne	8
Hartz, Dennis	Luverne	6
Slieter, Ben	Steen	7
Willers, Alex & Son	Beaver Creek	16
Scott County		
Bohnsack, Norbert	New Prague	7
Ruhland, Albert J. & Sons	Rte. 1, New Prague	4
Wagner, Anton	Elko	23
Sherburne County		
Hawkins, Irven	Elk River	20
Sibley County		
Lindstrand, Emil D.	Winthrop	8
Rush River Farms	Le Sueur	47
Swenson, Bernard E.	Winthrop	5
Stearns County		
Indieke, Anthony	Melrose	7
Nathe, Leander	Melrose	8
Nieffeld, Arnold H.	Rte. 1, Melrose	15
Schlick, Henry	Paynesville	13
Schrom, Ed. J.	Albany	18

OATS—Continued

Name of Grower	Post Office	Acreage
SHELBY—Continued		
Schulzetzenberg, Lee B.	Rte. 1, Melrose	8
Weyrens, Gerald	Rte. 2, St. Cloud	6
Steele County		
Schroeder, Paul	Rte. 1, Owatonna	11
Springer, Luvern	Owatonna	16
Stevens County		
Erickson Bros.	Kensington	15
Leuty, George Jr.	Hancock	20
Leuty, Robert J.	Hancock	8
Morton, J. L.	Hancock	40
Stark, Evald	Kensington	9
Swift County		
Erickson, Harold C.	Appleton	26
Hagen, Clarence O.	Sunburg	11
Todd County		
Hanson Bros.	Clarissa	18
Hoglund, Alfred R.	Rte. 2, Long Prairie	5
Leavey, Edgar	Verndale	14
Pfeffer, Frank & Harry	Rte. 1, Bertha	1
Robers, Ervin	Long Prairie	7
Traverse County		
Aukes, Leslie	Norcross	4
Wabasha County		
Juers, Merle	Lake City	12
Zabel, Clarence	Plainview	20
Waseca County		
Boucher, George Sr.	Rte. 3, Waseca	15
Casper, Kenneth	New Richland	40
Jackson, Allert	Waseca	9
Grubish, Chas.	Waterville	9
Keeley Bros.	Rte. 1, Janesville	20
Keeley, James P.	Rte. 4, Waseca	8
Miller, Leo L.	Rte. 2, New Richland	9
Strohl, Joseph	Rte. 2, Janesville	51
Strohl, Leonard	Janesville	16
Washington County		
Kendrick, Duane S.	Rte. 9, White Bear Lake	6
Rydeen, George L.	Rte. 2, Stillwater	10
Schiltgren, Leo	Lake Elmo	10
Stutzman, Roy	Newport	8
Welander, George E.	Stillwater	26
Watonwan County		
Lickfett Elevator Co.	Madelia	20
Wilkin County		
Flatin, John	Rothsay	5
Friederichs, Wm.	Foxhome	30
Winona County		
Kaehler, Rudolph & Son	St. Charles	25
Lewiston Elev. Co.	Lewiston	7
Papenfuss, Victor	Rte. 2, Winona	20
Simon, Marvin J.	Lewiston	20
Speltz, Ray	Lewiston	4
Todd, Lester & Son	Altura	7
Wright County		
Abendroth, Leon	Clearwater	5
Klammer, Erwin H.	Rte. 2, Howard Lake	10
Kreitlow, Wm. A. & Son	Rte. 1, Howard Lake	7½
Peterson, Algert & Son	Buffalo	7
Roskaft, I. G.	Rte. 2, Elk River	3½
Samuelson, Ray F.	Rte. 1, Cokato	5
Terning, Reynold	Cokato	2½
Yager, Harlan M.	Howard Lake	3½
Yellow Medicine County		
Bliss, Gilbert	Canby	9
Denelsbeck, Lawrence	Canby	11
Differding, J. G.	Taunton	11
Frazer, Philip A., Sr.	Canby	7
Josephson, John E.	Minneota	12
Olson, Arnold & John	Clarkfield	5
Sytie, Knute	Canby	7

OATS—Continued

Name of Grower	Post Office	Acreage
ZEPHYR —is a medium-early maturing oat, with a grey color of grain and good yielding ability. It has good weight per bushel. Its standing ability is good although not equal to that of Bonda, Mindo, and Clinton. It grows about the same height as Bonda and has a large grain. It was selected at the Minnesota Agricultural Experiment Station from a cross of Bond x Anthony.		
Blue Earth County		
Kietzer, Herbert H.	Vernon Center	16
Ramy Seed Co.	Mankato	28
Ward, Lester	Rte. 1, Mapleton	20
Brown County		
Leitschuh, Henry	Sleepy Eye	10
Fillmore County		
Crowell, Wm. R.	Wykoff	7
Goodhue County		
Drenckhahn, Dale	Goodhue	10
Hennepin County		
Scherber, Willard	Rogers	20
Le Sueur County		
Sunderman, Kenneth	Le Sueur	6
Meeker County		
Haapala, Levi & Son	Dassel	10
Mille Lacs County		
Halverson, Herman	Rte. 4, Milaca	30
Odegard & Thompson	Princeton	13
Morrison County		
Scheidemantel, Arthur	Little Falls	25
Mower County		
Thorkelson, G. F.	Rochester	35
Polk County		
Handyside, R. V. & Son	Rte. 4, Fosston	7
Red Lake County		
Burman, Axel	Trail	5
Rice County		
Purfeerst, Clarence M.	Rte. 2, Faribault	6
Roseau County		
Dolney, Ambrose	Warroad	8
Watsonwan County		
Lickfett Elevator Co.	Madelia	17
Wilkin County		
Prokjer, A. C.	Nashua	5

RYE

EMERALD—For all sections.

Emerald is pure for green color of seed. It appears well adapted for all regions. It is about equal to Dakold in winter hardiness. It was produced at Univeristy Farm by selection for pure seed color in self-pollinated lines and their combination.

Anoka County		
Jacob, L. O.	Anoka	56
Hennepin County		
Haeg, Elmer	24th Ave. & 66th St. So. Minneapolis	3
Le Sueur County		
Simpson, C. V.	Waterville	3
Renville County		
Buscho, Harold	Morton	18
Wright County		
Eddy, Paul L.	Howard Lake	8
Klammer, Erwin H.	Rte. 2, Howard Lake	3
Out-Of-State		
Newday Seedsmen, Inc.	Fargo, N. D.	50

IMPERIAL—For all sections.

Imperial is a variety pure for colorless seed. It appears well adapted for all regions. It resembles Dakold in reaction to winter-killing. It was selected at the Wisconsin Station.

Clay County		
Heiraas Bros.	Borup	13
Le Sueur County		
Stoering, Hugo E.	Waterville	20
Rice County		
Farmer Seed & Nursery Co.	Faribault	8

SOYBEANS

Name of Grower	Post Office	Acreage
BLACKHAWK —grows 34 to 38 inches tall and has considerable resistance to lodging. Like Monroe it tends to bear its lowest pods fairly well above the ground. The seeds are medium in size and yellow except for the light brown seed scars. The oil content of the seed is relatively high. This variety is a selection made at the Iowa Agricultural Experiment Station from a cross of Mukden x Richland. It is recommended for the Southern and South Central corn maturity zones. No seed will be available to the general public until after the 1951 season.		
Big Stone County		
George, Dale F.	Ortonville	9
Blue Earth County		
Fisher, Harry	Janesville	10
Gilman, G. M.	Garden City	19
Groh, Harold	Eagle Lake	2
Hiniker Bros.	Rte. 3, Mankato	10
Hohenstein, Lyle	Vernon Center	12
Hohenstein, Robert	Garden City	10
Marks, Eldon	Amboy	9
Oliver, Earl D. & Son	Amboy	10
Othoudt, Wayne	Lake Crystal	15½
Owens, Harold	Lake Crystal	18
Schmiesing, L. H.	Box 326, Vernon Center	6½
Schwarz, E. Lester	Vernon Center	10
Schwarz, Marvin J.	Vernon Center	12
Selland, Ralph	Madelia	9
Brown County		
Forsberg, Winfield	New Ulm	10
Kjelshus, Erwin	Hanska	10
Lang, Philip F.	Springfield	9
Losleben, Arnold & Son	Rte. 2, Sleepy Eye	8
New Ulm F. F. A.	New Ulm	10
Pederson Bros.	Comfrey	12
Schaefer, Francis J.	New Ulm	8
Chippewa County		
Asche, Joest, Jr.	Clara City	7
Hagemeyer, H. S.	Clara City	7
Kramer, Herman S.	Milan	10
Lundgren, Reuben W.	Milan	7
Martenson, James	Maynard	8
Neal, Lloyd	Murdock	10
Olson, Harold S.	Milan	13
Cottonwood County		
Franz, Sam & Son	Mountain Lake	20
Hansen, Ray L.	Bingham Lake	8
Kohler, Bernard	Windom	9
Meyer, William	Lamberton	10
Nelson's, Peter Sons	Westbrook	9
Nickel, Theo. W.	Mountain Lake	13
Pankratz, John J.	Mountain Lake	8
Sorenson, W. L.	Storden	8
Dakota County		
Carroll, Donal J.	Rosemount	10
Nelson, Charles E.	Rte. 4, Northfield	8
Prairie, Howard	Farmington	15
Trapp, Roy F.	Kenyon	8
Dodge County		
Langmo, Melvin	Dodge Center	12
Radke, Charles H.	Dodge Center	13
Trapp, Myron	Dodge Center	10
Faribault County		
Anderson, Chester D.	Baker	8
Bebler, Gerald R.	Wells	8
Bless, Lawrence V.	Easton	8
Dickman, Ed. C.	Winnebago	10
Evans, W. F.	Elmore	7
Hoyt, James A.	Wells	10
Huper, Louis	Wells	8
Johnson, E. L. & Sons	Winnebago	19
Kohlmeyer, Kenneth	Blue Earth	10
Korman, Rolland E.	Wells	8
Larson, Grant L.	Winnebago	10
Manske, Enne & Son	Blue Earth	10
Meyer, Wm. & Son	Blue Earth	10
Sendelbach, Joe	Wells	8
Wendt, O. J.	Blue Earth	8
Willette, Weldon	Delavan	8

SOYBEANS—Continued

Name of Grower	Post Office	Acreage
BLACKHAWK—Continued		
Fillmore County		
Sample, J. Ivan	Spring Valley	6
Schrock, J. Troy	Preston	15
Freeborn County		
Borge, Sig. & Son	Hartland	7
Collins, John F. & McKean, J. W.	Hartland	14
Ehrhardt, George, c/o Albert Lea Seed House	Albert Lea	16
Greenfield, Lyle	Alden	14
Larson, Frank W.	Rte. 1, Albert Lea	12
Magnuson, Selmer G.	Rte. 1, Austin	12
Meister & Murphy	401 Burr Oaks, Austin	10
Seath, Clarence	Wells	8
Goodhue County		
Haugen, Kasper W.	Kenyon	10
Ryberg, Walter	Rte. 1, Kenyon	10
Jackson County		
Cranston, W. W.	Lakefield	12
Garber, Marvin	Jackson	9
Hartberg Bros.	Heron Lake	10
Hartman, Paul J.	Heron Lake	10
Hussong, Louis	Brewster	10
Matasousky, Milton	Jackson	10
Mews, Fritz	Windom	10
Rentschler, George F.	Lakefield	10
Teig, Alfred	Jackson	10
Voehl, Albert	Lakefield	10
Kandiyohi County		
Carlson, Elias & Son	Blomkest	7
Larson, Carl G.	Rte. 3, Atwater	6
Nelson, Walter S.	Atwater	7
Lac Qui Parle County		
Buer, Eldred	Canby	10
Craigmile, Charles	Dawson	15
Rebehn, Fred	Louisburg	15
Wendland, Clifford	Odessa	9
Le Sueur County		
Maxwell, Milton F.	Le Sueur	10
Lincoln County		
Friis Bros.	Porter	6
Lyon County		
Schultz, Floyd C.	Amiret	9
Martin County		
Barke, A.	Rte. 1, Fairmont	11
Bird, Robert W.	Fairmont	13
Boite, John	Ormsby	10
Bremer, Andrew	Rte. 4, Fairmont	5
Gould, O. E.	Fairmont	9
Grathwohl, Elmer	Rte. 2, Fairmont	19
Schrooten, John H.	Rte. 1, Fairmont	9
Selsvold, Ernest	Ormsby	11
McLeod County		
Peik, Adry	Brownston	7
Meeker County		
Christenson, Alvin H.	Rte. 2, Litchfield	10
Mower County		
Angell, Howard & Son	Rte. 2, Austin	12
Austin Seed Co.	Box. 13, Austin	10
Barnes, V. H.	Rte. 1, Lyle	8
Holst, H. J.	Brownsdale	14
Hunting Elev. Co.	Rose Creek	10
Krause, Hillary J. & Schlichter, Wm., Jr.	Austin	20
Olof, Walter	Waltham	9
Schroeder Bros.	Grand Meadow	10
Spindler, Charles F.	Blooming Prairie	8
Thorkelson, G. F.	Rochester	10
Murray County		
Bergman, Clifford	Avoca	8
Fresk Bros.	Hadley	10
Hager, Clifford	Dovray	8
Nantkes, Jesse J.	Fulda	10
Radick, Raeburn	Fulda	8
Nicollet County		
Hoehn, Willard	St. Peter	9½
Jaster, Henry	Rte. 1, St. Peter	8
Langhorst, Lorenz	Courtland	7½
Samuelson, L. W.	Lafayette	10
Webster, Ora	St. Peter	10

SOYBEANS—Continued

Name of Grower	Post Office	Acreage
BLACKHAWK—Continued		
Nobles County		
Dalin, Paul	Bigelow	7
Lenz Bros.	Ellsworth	10
Newburn, Earl	Rushmore	10
Palaschak, John	Rte. 1, Worthington	9
Perkins, Vernon	Worthington	10
Saxon, Marville	Worthington	10
Worthington F. F. A.	Worthington	9
Olmsted County		
Nietz, Erwin E.	Rte. 2, Rochester	7
Rueber, Vyril	Rte. 1, Rochester	8
Pipestone County		
Appledorn, Lou	Pipestone	10
Redwood County		
Holt, Gunner	Belview	8
Jeckell, Francis	Lamberton	12
Lange, Arnold D.	Lamberton	8
Maas, Erwin O.	Walnut Grove	9
Paulson, Wm.	Redwood Falls	10
Schutz, Albert W.	Springfield	9
Vetter, Carl	Milroy	10
Zimmerman, Walter E.	Morgan	10
Renville County		
Bemmes, Edward	Fairfax	9
Berg, Alfred	Sacred Heart	10
Dahlgren, Henry	Sacred Heart	8
Goetzman, Vern	Olivia	8
Jacobson, Henry	Franklin	7
Kosbnick, Edward W.	Buffalo Lake	6
Kottke, Norman E.	Buffalo Lake	9
Mehlhouse, Lloyd W.	Olivia	8
Pederson, Henry B.	Franklin	10
Rieke, Lloyd	Fairfax	8
Schuete, George	Bird Island	9
Schwer, Henry G.	Olivia	8
Wulkan, Lynn	Hector	10
Zeisner, Harold	Olivia	10
Rice County		
Faribault F. F. A.	Faribault	10
Rock County		
Sandager, Sheldon	Hills	10
Sells, J. E.	Beaver Creek	9
Sibley County		
Antonsen, Grant	Buffalo Lake	8
Larson, Ernest N.	Gibbon	8
Lindstrand, Emil D.	Winthrop	5
Muchow, Fred F.	Winthrop	10
Mueller, August & Edmund	Arlington	8
Steele County		
Michael, Carl	Rte. 2, Medford	12
Miller, H. A.	Blooming Prairie	3
Nelson, E. A.	Rte. 1, Ellendale	10
Webster, Harlan	Medford	7
Stevens County		
Koehl, Jacob	Hancock	10
Swift County		
Barduson, T. O. & Sons	Danvers	10
Maher, Martin	Danvers	10
Young, Emil	Benson	10
Waseca County		
Byron Bros.	Waseca	10
Grubish, Charles	Waterville	6
Miller, Eugene P.	Rte. 4, Waseca	9
Nelson, Joe & Reuben	New Richland	10
Watsonwan County		
Harder, Sam	Butterfield	10
Jacobson, George & Son	Rte. 2A, Madelia	10
Janzen Bros.	Darfur	9
Kelsey, Dale	Lewisville	15
Lickfett Elevator Co.	Madelia	10
Swanson, Lemuel O.	St. James	7
Yellow Medicine County		
Baker, M. L.	Wood Lake	8
Bangsund, Alfred	Montevideo	6½
Shegbeby, Stanford	Echo	7

SOYBEANS—Continued

Name of Grower	Post Office	Acreage
CAPITAL —averages 30 to 32 inches in height and has a distinct tendency to lodge. The seeds are small, are yellow with light brown seed scars, and have a relatively high oil content. Capital was selected at the Central Experimental Farm, Ottawa, Canada, from a cross of 171 x A. K. (Harrow). It is recommended for areas of the state south of Northern corn maturity zone.		
Blue Earth County		
Ramy Seed Co.	Mankato	131
Dakota County		
Feely, P. H. & Son, Inc.	Farmington	18
Renville County		
Farmers Co-op. Elev. Co.	Buffalo Lake	22
Troy Farms	Olivia	30
Troy Seed Co.	Olivia	75
Ziller, Anthony	Bird Island	10
Sibley County		
Rush River Farms	Le Sueur	34
Watonwan County		
Lickfett Elevator Co.	Madelia	23
HABARO —grows to a height of 28 to 32 inches. It is medium in standing ability. It has been tested longer than any other variety in Minnesota. At the Waseca Station it has averaged among the best varieties in yield. The seeds are medium to large in size and are yellow with very light buff seed scars. Processors do not favor Habaro because it has a lower oil content than Manchu and many of the other varieties commonly grown. It was developed from a selection made at University Farm. It is recommended for the Southern and South Central corn maturity zones.		
Freeborn County		
Ehrhardt, George, c/o Albert Lea Seed House	Albert Lea	4
Martin County		
Halls Fair Acres	Granada	45
MANCHU WISCONSIN 606 —is similar to Habaro in yielding ability, maturity, and height. It is not as stiff-strawed as Habaro. The seed is high in percentage of oil and so is preferable to Habaro for commercial seed production. The seeds are fairly large and are yellow in color except the hilum which is black. Manchu Wisconsin 606 is adapted for seed and hay purposes in the same maturity zones as Habaro.		
Blue Earth County		
Othoudt, Wayne	Lake Crystal	18
Ramy Seed Co.	Mankato	64
Freeborn County		
Ehrhardt, George, c/o Albert Lea Seed House	Albert Lea	6
Hennepin County		
Northrup, King & Co.	Minneapolis	46
Martin County		
Fairmont Farm Store	Fairmont	37
Rice County		
Farmer Seed & Nursery Co.	Faribault	14
MONROE —the principal merit of Monroe is its height (12 inches taller than Ottawa Mandarin, and 9 inches taller than Habaro), both of the plant and of the lowest pods. In yield Monroe averaged one bushel less than Habaro and two bushels less than Ottawa Mandarin. In oil content it was 0.8% higher than Habaro and 0.3% lower than Ottawa Mandarin. It is about equal in standing ability to Habaro. Monroe is intermediate in maturity between Ottawa Mandarin and Habaro. It is recommended for seed production in South Central and Southern corn maturity zones and in the Southern one-third of the Central zone. It is recommended for hay production in all except the Northern maturity zone.		
Blue Earth County		
Bluhm, Henry	Mapleton	40
Ramy Seed Co.	Mankato	34
Schwarz, E. Lester	Vernon Center	3
Ward, Lester	Rte. 1, Mapleton	20
Chippewa County		
Hinderks, Don	Maynard	6
Olson, Harold S.	Milan	12
Dakota County		
Empey, C. W.	Farmington	100

SOYBEANS—Continued

Name of Grower	Post Office	Acreage
MONROE—Continued		
Dodge County		
Emerson, Victor	West Concord	13
Freeborn County		
Borge, Sig & Son	Hartland	10
Goodhue County		
Byron, James	Rte. 2, Red Wing	6
Horn, James	Rte. 3, Red Wing	8
Ryberg, Walter	Rte. 1, Kenyon	10
Stenlund, Arne	Rte. 2, Goodhue	3
Hennepin County		
Jensen, Josephine J.	2936 Dean Blvd., Minneapolis	30
Kandiyohi County		
Brandt Bros.	Rte. 2, Willmar	8
Lac Qui Parle County		
Agre, Leonard O.	Boyd	10
Rehehn, Fred	Louisburg	10
Sather, Sigfred J. & Son	Madison	8
Lincoln County		
Sylvie, Hans A.	Porter	6
Lyon County		
Lau Seed Co.	Tracy	15
Olmsted County		
Nietz, Ervin E.	Rte. 2, Rochester	6
Pipestone County		
Appledorn, Lou	Pipestone	20
Renville County		
Fischer, Walton	Buffalo Lake	35
Nelson, Melvin C.	Sacred Heart	10
Troy Seed Co.	Olivia	70
Rice County		
Farmer Seed & Nursery Co.	Faribault	20
Hachfeld, Martin	Faribault	3
Minnesota Seed Co.	Faribault	135
Purfeerst, Clarence M.	Rte. 2, Faribault	16
Sibley County		
Carlson, Russell A.	Winthrop	10
Lindstrand, Emil D.	Winthrop	19
Rush River Farms	Le Sueur	50
Swift County		
Carlson, Orion	Appleton	19
Molde, Adolph L.	Rte. 1, Box 118, Milan	12
Watonwan County		
Lickfett Elevator Co.	Madelia	34
Yellow Medicine County		
Eid, James E.	Montevideo	12
Lynner, James T.	Clarkfield	19
Olson, Arnold & John	Clarkfield	34
OTTAWA MANDARIN —grows to a height of 24 to 28 inches and is highly resistant to lodging. The seeds are fairly large, pure yellow in color and of good oil content. The variety is recommended for seed production in areas of the State south of the Northern Corn Maturity Zone and is adapted for hay production in the Central, North Central and Northern zones.		
Blue Earth County		
Othoudt, Wayne	Lake Crystal	8
Faribault County		
Willette, Weldon	Delavan	17
Freeborn County		
Ehrhardt, George, c/o Albert Lea Seed House	Albert Lea	16
Greenfield, Lyle	Alden	35
Taylor, John W. (Kansas Farm)	Albert Lea	25
Isanti County		
Cambridge Feed & Mill Co.	Cambridge	20
Dahlberg Bros.	Cambridge	62
Morgan, Harvey	Rte. 2, Cambridge	30
Peterson, Harry & Curtiss	Rte. 2, Box 121, Princeton	100
Le Sueur County		
Pinney, Carl	Le Sueur	4
Simpson, C. V.	Waterville	12
Lyon County		
Lau Seed Co.	Tracy	20

SOYBEANS—Continued

Name of Grower	Post Office	Acreage
OTTAWA MANDARIN—Continued		
Martin County		
Fairmont Farm Store	Fairmont	32
Renville County		
Troy Seed Co.	Olivia	216
Rice County		
Farmer Seed & Nursery Co.	Faribault	20
Sibley County		
Rush River Farms	Le Sueur	58
Watowan County		
Lickfett Elevator Co.	Madelia	7
Yellow Medicine County		
Eid, James E.	Montevideo	7

WHEAT

CARLETON (Durum)—For West Central and Northwestern Minn.

Carleton is a bearded, amber-kerneled durum wheat which yields about the same as Mindum. It is moderately resistant to leaf and stem rust and loose smut, moderately susceptible to bunt, and susceptible to scab. It has strong straw. It is about equal to Mindum in quality of semolina products. Carleton resulted from a Mindum x Vernal Emmer backcross made by the United States Department of Agriculture in cooperation with the North Dakota Agricultural Experiment Station.

Clay County		
Schultz, Paul	Glyndon	18

MIDA (Spring)—For West Central and Northwestern Minnesota.

Mida is a bearded, early-maturing variety having medium strength of straw. It is moderately resistant to leaf and stem rust and bunt, susceptible to loose smut, and moderately susceptible to scab. It has a high test weight per bushel and appears about equal to Thatcher in milling and baking characters except that it has given a lower loaf volume. Mida is a selection from Ceres-Double Cross x Ceres-Hope Florence cross made at the North Dakota Agricultural Experiment Station.

Norman County		
Halverson, Henry E.	Borup	40
Polk County		
Kopeccky, Franklin	Angus	5½
Out-Of-State		
Newday Seedsmen, Inc.	Fargo, N. D.	195

MINDUM (Durum)—is a bearded, amber-kerneled durum wheat with high yielding ability. It is moderately susceptible to stem rust and bunt, susceptible to scab, but resistant to leaf rust. It has weaker straw than Carleton. It is excellent in quality for semolina products. Mindum resulted from a durum type selected in a common bread wheat at the Minnesota Agricultural Experiment Station.

Kittson County		
Swenson, Edgar	Kennedy	7½

MINTER WINTER WHEAT

Minter is a bearded, white-chaffed winter wheat which is equal to Minturki in winter hardiness and in yielding ability. It is moderately resistant to stem rust. Minter has had a somewhat higher weight per bushel, whiter crumb color and a lower pigment content than Minturki. It is a selection from a backcross of Hope x Minturki by Minturki. This variety was released to approved growers in the fall of 1948.

Anoka County		
Jacob, L. O.	Anoka	61
Blue Earth County		
Othoudt, Wayne	Lake Crystal	20
Brown County		
Leitschuh, Henry	Sleepy Eye	5
Dakota County		
Schwartau, George F.	Cannon Falls	15
Dodge County		
Wright, Leslie L.	West Concord	5
Isanti County		
Anderson, M. L.	Rte. 1, Cambridge	31
Cambridge Feed & Mill Co.	Cambridge	14
Hjeltman, Arthur	Rte. 1, Cambridge	31

WHEAT—Continued

Name of Grower	Post Office	Acreage
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MINTER WINTER WHEAT—Continued

Le Sueur County		
Green Giant Company	Le Sueur	65
Simpson, C. V.	Waterville	12
Sunderman, Kenneth	Le Sueur	10
McLeod County		
Field, Guy W.	Hutchinson	8
Olmsted County		
Doty, Edwin S.	Rte. 2, Rochester	8
Rice County		
Farmer Seed & Nursery Co.	Faribault	39
Scott County		
Michael, Leo	Jordan	20
Novak, Emil	New Prague	13
Unger, Frank L. & Son	Rte. 2, Box 15, New Prague	5
Sibley County		
Brown, Carl F.	Winthrop	12
Stearns County		
Lenzmeier, R. M.	Box 466, St. Cloud	8
Waseca County		
Nelson, Joe & Reuben	New Richland	8
Winona County		
Papenfuss, Victor	Rte. 2, Winona	3
Todd, Lester & Sons	Altura	10
Out-of-State		
Newday Seedsmen, Inc.	Fargo, N. D.	70
RIVAL (Spring)—For Southern and Northeastern Minnesota.		
Rival, a bearded variety, is moderately resistant to leaf and stem rust, resistant to bunt and loose smut, moderately susceptible to scab, and susceptible to black chaff. It has somewhat weaker straw than Thatcher and tends to shatter. Rival has a higher test weight than Thatcher and appears to be equal to Thatcher in milling and baking qualities. It is the result of a Ceres x (Hope-Florence) cross made at the North Dakota Experiment Station.		
Dakota County		
Trapp, Roy F.	Kenyon	8
Freeborn County		
Vollum, Martin & Son	Rte. 2, Albert Lea	15
Kittson County		
Swanson, Lennart	Lake Bronson	20
Lac Qui Parle County		
Buer, Eldred	Canby	13
Le Sueur County		
Prehn, Clarence E.	Waterville	8
Polk County		
Hanson, Herbert M.	East Grand Forks	20

**SEED STOCKS GROWN BY THE
MINNESOTA AGRICULTURAL EXPERIMENT
STATION**

Corn Crossing Stocks

These seedstocks are grown on the basis of advance requests. If you are interested in seedstocks and have not made an advance request, write for a copy of the Crossing Stock Announcement which will be available after the first of the year.

This may be obtained by writing to Carl Borgeson, University Farm, St. Paul 1, Minnesota.

Seed Other Than Corn

The primary responsibility of the Minnesota Agricultural Experiment Station in the pure seed program is to produce foundation seed. This seed is made available only to Registered Seed Growers on the basis of advance requests that have been approved by the Foundation Seedstock Planning Committee.

It is expected that from time to time some registered seed and possibly some certified seed will also be available through the Branch Stations. Inquiries for these two classes of seed will be directed to the proper station.

**PLANTS APPROVED FOR CLEANING
CERTIFIED SEED**

Cleaning plants operated by the following concerns or individuals have been inspected and approved to process seed prior to certification by the Minnesota Crop Improvement Association. This list is published for the convenience of certified seed producers who may wish to take advantage of Approved Seed Cleaning facilities.

NAME OF FIRM	LOCATION
Ada Feed & Seed House	Ada
Albert Lea Seed House	Albert Lea
Austin Seed Co.	Austin
Brandon Grain Co.	Brandon
Peterson, Algert L. & Son	Buffalo
Cambridge Feed & Mill Co.	Cambridge
Trovatten, Olaf	Campbell
Minnesota Bean and Pea Co.	Crookston
Peterson-Biddick Co.	Crookston
Cyrus Farmers Elev. Co.	Cyrus
Haapala, Levi & Sons	Dassel
Willette, Donald	Delavan
Nelson, E. A.	Ellendale
Fairfax Grain & Supply Co-op.	Fairfax
Farmers Co-op. Elev. Co.	Fairfax
Farmer Seed & Nursery Co.	Faribault
Minnesota Seed Co.	Faribault
Valley Farmers Supply	Halstad
Hastings Farmers Co-op Elev. Co.	Hastings
Brookfield Seed Co.	Hector
Hempstead & Son	Houston
Farmers Seed & Supply Co.	Ivanhoe
Strohl, Joseph	Janesville
Kenyon Farmers Merc. & Elev. Co.	Kenyon
Rush River Farms	Le Sueur
Sunderman, Kenneth	Le Sueur
Lewiston Elev. Co.	Lewiston
Lickfett Elevator Co.	Madelia
Ramy Seed Co.	Mankato
Rasmussen, J. R. & Co.	Marshall
Nietfeld, Conrad	Melrose
Evans, John W.	Montevideo
Moorhead Seed & Grain Co.	Moorhead
Northrup, King & Company	Moorhead
Troy Seed Co.	Olivia
Roddis Feed Co.	Rochester
Farmers Co-op Elev. Co.	Sacred Heart
Farmers Co-op Elev. Co.	Sanborn
Farmers Elev. Co.	Stewartville
Welander, George E.	Stillwater
Osborne-McMillan Elev. Co.	Thief River Falls
Peterson-Biddick Co.	Thief River Falls
Lau Seed Co.	Tracy
Dill, J. G. Co.	Wabasha
Goblirsch Elev. Co.	Wabasso
Marvin Lumber & Cedar Co.	Warroad
Simpson, Charles V.	Waterville
Wright, Leslie L.	West Concord
Neumann's Seeds & Electric	Wood Lake