

the choice lands that were formerly reserved for hay. When farmers learn to raise and properly care for and feed alfalfa they will be able to double the profits of the farm.

**A GOOD OAT FOR NEBRASKA**

By Prof. T. L. Lyon.

The variety of oats known as Kherson, imported from Russia by the Nebraska Experiment Station in 1897, has proven of such great value by reason of its heavy yields, particularly in central and western Nebraska, that it seems desirable to furnish some later information regarding it than that contained in Bulletin 28 of this station. For the benefit of those who may wish to ascertain what results have been obtained in their particular localities or who may wish to obtain seed, a list of the parties whom we know to be raising this variety of oats is appended.

In connection with the Kherson oats should be mentioned the sixty day oats, a variety imported from Russia by the United States department of agriculture. This oats is almost identical with the Kherson in appearance and habits of growth. Any description of the Kherson oats will also suffice for the sixty day.

The plant is a vigorous, but not a rank grower. The straw is short, and while this is an advantage in decreasing the tendency to lodge, it results in a light yield of straw per acre. The leaves are very broad and expose a large surface. The grain ripens from one to two weeks earlier than most varieties. The berries are light yellow in color, small but numerous, and have a thin hull. They usually weigh well per bushel, and in this respect as well as in yield per acre these varieties have led all others in this station.

The Kherson oats is peculiarly suited to central and western Nebraska on account of its ability to grow with little moisture and its habit of early ripening. Although it usually yields well in eastern Nebraska, there are other varieties that compare favorably with it, at least in the river counties. Reports received from 171 parties in the state who have tested this variety during the years 1901 to 1905 inclusive indicate that it ripens earlier, yields better, and weighs heavier in a series of years than any other variety in central and western Nebraska, with the possible exception of the Texas Red. The Kherson oats has steadily outyielded the Texas Red on the station farm.

The following tests on the station farm serve to show how this oats compares with some other well-known varieties. They also show that under very favorable climatic conditions like those of 1905 the Kherson oats did not have as great an advantage over other varieties as it did in the more unfavorable years. It is probably the sixty day oats would have yielded as well as the Kherson if it had been raised here longer:

Variety and Source of Seed.	Yield per acre in bushels.			
	1902	1903	1904	1905
Kherson, Russia in 1897.....	41.7	68.0	53.4	82.7
Sixty Day, Russian in 1901.....	29.6	52.4	51.8	84.2
Texas Red, Oklahoma in 1901.....	33.0	57.5	40.6	81.7
American				
Banner, Uncertain .....		45.6	31.8	76.3
Lincoln, Hamilton county, Neb.....			22.8	85.2
Canada Red, Uncertain.....		53.1	37.0	87.2
Improved				
Prize Cluster, Uncertain.....		32.5	27.1	71.5
Early				
Champion, Dixon county, Neb.....			26.7	83.0

Test of oats at the Experimental Substation, North Platte, in 1904: Kherson—Planted April 1, ripe July 22, some rust and slightly lodged, yield per acre, 59 bushels; weight per bushel, 36 pounds.

Sixty Day—Planted March 31, ripe July 22, some rust and slightly lodged; yield per acre 48 bushels; weight per bushel 32 pounds.

Local variety—Planted March 30-31, ripe July 29, rusted and lodged; yield per acre 29 bushels; weight per bushel 35 pounds.

The following is a list of the parties

who report having raised Kherson oats in 1905:

Adams county—B. F. Evans, Roseland; Eric Johnson, Roseland; W. B. Parmenter, Kenesaw; Farmer Saddler, Junlata.

Antelope county—John E. Cooley, Clearwater; W. S. Griffith, Elgin; Wm. Hupp, Vim; Will Schulte, Elgin; J. H. Stubbs, Clearwater; John Theile, Vim.

Boone county—Cornelius Koch, Petersburg.

Boyd county—Vac. Ruda, Lynch; A. T. Wenberg, Bristow.

Buffalo county—S. C. Basset, Gibbon; James H. Dans, Gibbons; W. W. Gllson, Gibbon; Vac. O. Prodrasa, Shelton, R. F. D. 3.

Burt county—Elmer V. Colson, Oakland.

Butler county—Anton Blatney, Linwood; Jacob Blatney, Linwood; Henry Schultz, Brainard; Joe Semin, Bruno; Frank Walla, Linwood; Wrack Walla, Ulysses.

Cass county—John Albert, Cedar Creek; M. L. Freidrich, Cedar Creek; R. C. Pollard, Nehawka; Nicholas Schaefer, Cedar Creek; Phillip Schaefer, Cedar Creek.

Cheyenne county—S. J. Hedges, Sidney.

Clay county—M. Graham, Edgar.

Colfax county—Anton B. Fiala, Howell; Joseph F. Krajicek, Howell.

Cuming county—Fred C. Wendt, West Point.

Custer county—Hans G. Arp, Mason City; J. J. Hughes, Callaway; B. F. Kiker, Sargent; L. H. Morrism, Callaway, R. F. D. 1; Gus A. Olson, Mason City, R. F. D. 1; Wm. Warren, Callaway.

Dawes county—Wm. Martens, Chadron; F. J. Coll, Hough.

Dawson county—K. W. Dustin, Overton; James Milbourn, Overton; Thos. Pierson, Overton; T. E. Shaw, Overton; A. F. Winslow, Overton; P. C. Wood, Sumner.

Dodge county—J. M. Maher, Fremont; James Walla, North Bend.

Douglas county—Henry C. Glissman, Omaha, Station B.

Fillmore—Chas. W. Flory, Shickley; Amos Freiden, Shickley; L. P. Knight, Geneva; Anton Kuska, Ohio; E. A. Kuska, Ohio; Joseph Kuska, Ohio; Chris Moelar, Shickley; John M. Nittler, Shickley; Wm. Podlesak, Mulligan; John Rozanek, Geneva; Joseph Sluka; Geneva; Geo. R. Ward, Geneva; John Weis, Shickley.

Franklin county—H. M. Brown, Upland.

Frontier county—C. F. Eberspacher, Eustis; Gottlieb Keller, Eustis; Gottfried Ubele, Eustis.

Furnas county—Smith Paine, Arapahoe, R. F. D. 2; F. B. Schoenberger, Edison; C. E. V. Smith, Beaver City.

Hall county—Gus Holling, Wood River; John Luebs, Wood River; Wm. Wiese, Grand Island.

Hamilton county—D. L. Jacoby, Aurora.

Hitchcock county—H. B. Snyder, Palisade.

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Early				
Champion, Dixon county, Neb.....			26.7	83.0

Holt county—Joe Kaplan, Stuart, R. F. D. 1; J. A. Trammerhauser, Ewing.

Howard county—Hans H. Jessen, Dannebrog; Frank A. Kucera, Farwell.

Jefferson county—Gottlieb Brinkman, Fairbury, R. F. D. 2; E. B. Cowles, Fairbury; Ira Payne, Reynolds.

Kearney county—Nels Borggaard, Minden; W. S. McElhinny, Minden.

Knox county—A. Becker, Verdigris; Premysl Sedivy, Verdigris; Joseph Skokan, Verdigris.

Lancaster county—Geo. B. Betz,

Malcolm; Theron T. Loomis, Lincoln, R. F. D. 4; H. M. Wescott, Malcolm; John L. Wolfe, Lincoln, R. F. D. 1.

Lincoln county—W. Chamberlain, Wellfleet; A. McDonald, North Platte; S. Russell, North Platte; G. A. Schrecongast, North Platte; E. M. Smith, North Platte; G. A. Walker, North Platte.

Madison county—J. G. Damon, Tilden; E. J. Flood, Newman Grove.

Merriek county—B. McCormick, Silver Creek.

Nuckolls county—O. Atkin, Nelson, R. F. D. 2; J. W. Lamb, Nelson.

Platte county—Will Braun, Humphrey; J. W. C. Craun, Columbus; L. M. Heesacker, Humphrey; C. G. Luedtke, Creston; Carl Rhode, Columbus; Adolph Sander, Creston, R. F. D. 1; Frank Wurdeman, Creston.

Phelps county—Fred Brown, Funk; F. A. Swanson, Osceola.

Saline—John Chab, Dorchester, R. F. D. 3; Eman Knapp, Wilber; Joseph Salda, Wilber; Frank Krivohlavek, Dorchester; Victor Mika, Jr., Dorchester.

Saunders county—F. B. Knapp, Cedar Bluffs; Phillip Walla, Morse Bluff.

Scotts Bluffs—F. F. Everett, Scotts Bluff.

Seward county—C. L. Caldwell, Beaver Crossing; John Gibb, Staplehurst; James W. Miller, Beaver Crossing; W. A. Richmond, Beaver Crossing.

Sherman county—John Anderson, Rockville; Eddy Holmes, Rockville; Chas. F. Krehmke, Rockville; E. H.

Kittell, Rockville; John Vandegriff, Loup City.

Stanton county—Vaclav Hamsa, Stanton.

Thayer county—B. E. Corwin, Hubbell.

Webster county—Jos. Barta, Red Cloud; Alex Bentley, Inavale; F. C. Buschow, Blue Hill.

York county—C. D. Banks, York; J. H. C. Bremer, York; J. F. Bremer, York.

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