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EC95-103-A Nebrask Fall-Sown Small Grain Variety Tests 1995

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NEBRASKA FALL-SOWN SMALL GRAIN VARIETY TESTS 1995

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EXTENSION CIRCULAR 95-103
NEBRASKA FALL-SOWN SMALL GRAIN VARIETY TESTS

September 1995

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METRIC EQUIVALENTS

1 centimeter =	0.394 inches	cm =	inches x 2.54
1 hectare =	2.471 acres	ha =	acres x 0.405
1 kilogram =	2.205 pounds	kg =	pounds x 0.454
1 hectoliter =	2.838 bushels	hl =	bushels x 0.35

Kilogram/hectoliter = ...lb/bu x 1.287
Kilogram/hectare = ...bu/A x 53.81 (48# bushel)
Kilogram/hectare = ...bu/A x 67.26 (60# bushel)

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NEBRASKA WINTER WHEAT PRODUCTION

Year	Planted 000 acres (hectares)	Harvested 000 acres (hectares)	Average yield bu/a (kg/ha)
1977	3300 (1337)	2950 (1195)	35.0 (2354)
1978	2900 (1175)	2550 (1033)	32.0 (2152)
1979	3000 (1215)	2550 (1033)	34.0 (2287)
1980	3000 (1215)	2850 (1154)	38.0 (2556)
1981	3000 (1215)	2900 (1175)	36.0 (2421)
1982	3050 (1235)	2900 (1175)	35.0 (2354)
1983	2800 (1134)	2300 (932)	43.0 (2892)
1984	3200 (1296)	2250 (911)	36.0 (2421)
1985	2600 (1053)	2300 (932)	39.0 (2623)
1986	2300 (932)	2000 (810)	39.0 (2623)
1987	2200 (891)	1950 (790)	44.0 (2959)
1988	2300 (932)	2000 (810)	36.0 (2421)
1989	2300 (932)	2050 (830)	27.0 (1816)
1990	2400 (975)	2250 (911)	38.0 (2556)
1991	2350 (952)	2000 (810)	32.0 (2152)
1992	2350 (952)	1950 (790)	31.0 (2085)
1993	2350 (952)	2100 (851)	35.0 (2354)
1994	2200 (891)	2100 (851)	34.0 (2287)
1995*	2150 (870)	2100 (851)	41.0 (2758)

* August 1 estimate.

NEBRASKA FALL-SOWN SMALL GRAIN VARIETY TESTS 1995

The 1995 estimated winter wheat yield for Nebraska was 41 bushels per acre from 2,100,000 harvested acres. The total production of winter wheat for the state was 86,100,000 bushels.

This circular reports data from winter wheat and winter barley trials conducted throughout Nebraska. Entries included varieties or hybrids and promising experimental strains from Nebraska and surrounding states and private breeders. This was the fourtenth year for privately developed varieties. The state has been divided into four districts for purposes of variety testing. Locations of the 1995 variety tests are shown on the map on page 10.

Trials were located on Research Centers and private farms. Names of cooperators and dates of planting and harvest are shown in Table A. Soil type, soil test data, and fertilizer applications are shown in Table B. Plot sizes varied with location. Drill strips were used in Lincoln (field plots). Nursery-type plots six rows wide and 15 to 35 feet long were planted at other locations. All tests were direct combined. Entries were replicated 4 to 6 times.

The 1995 season started with dry conditions in the west resulting in planting being ahead of schedule. As of September 25 eighty-two percent of the state wheat crop had beed planted compared to 67% last year and the 5-year average of 70%. A cool wet spring resulted in some much needed moisture in the west but also put the wheat crop behind. Heading dates were up to two weeks later than normal. The Southeast corner of the state was wet and cool until June 12, when it turned hot and dry. As the wheat matured whole heads or parts of them appeared bleached in color. This description fits the symptoms of Fusarium foot rot also known as dryland foot rot. When the hot, dry, windy weather occurred the infected roots were unable to support growth and the affected plants began to die starting with the head. This resulted in poor yeilds and some poor test weights. The yields and test weights got better going to the west with some test plots averaging over 60 bushels per acre.

Winter Wheat Varieties

'Arapahoe' was released in 1988 by the Nebraska Agricultural Research Division and the USDA-ARS. It is well adapted to most dryland sites in the northern and western HRW regions. Its parentage is: Brule/3/Parker*4/Agent//Beloterkovskaia 198/Lancer.

'Akron' was released in 1994 by the Colorado Agricultural Experimental Station. It is a semidwarf, awned, white chaff wheat variety with good yeild potential. Grain quality and leaf rust resistance are superior to TAM 107.

'Halt' was released in 1994 by the Colorado Agricultural Experimental Station. It is a white chaff, semidwarf wheat that has excellent resistance to the Russian wheat aphid. It is early maturing with good straw strength and has also yeilded well under dryland conditions.

'Ike' is an early maturing, medium height variety with fair to good winterhardiness. It has good drought tolerance, very good test weight patterns and is well suited for ecofallow wheat. Ike was developed by Kansas from the cross Dular/Eagle//2*Larned/Cheney/3/Colt.

'Nekota' (New for 1995) is a moderately early maturing, medium height variety. It appears best adapted to southern and west central Nebraska. It has good winterhardiness and tillering ability. This variety was developed by Nebraska and the USDA-ARS from the cross Bennett/Tam 107.

'Niobrara' (New for 1995) is a moderately early maturing, medium height variety. It appears best adapted to west central and western Nebraska. It has good winter hardiness and tillering ability. Niobrara was developed by Nebraska and the USDA-ARS from the cross TAM 105*4/Amigo//Brule selection.

Pedigrees of Nebraska experimental strains are as follows:

NE88584 - Centura/Dawn//Colt Sib

NE90479 - KS83H2510/Brule Comp.

NE90524 - Brule sel/4/Bez/3/Ctk//Arthur/Ctk78

NE90625 - Tx79A2729//Caldwell/Brule Sel#6/3/SXLD

Winter Wheat Performance

Yield, bushel weight, and other agronomic data are listed on pages 14 - 29. Each district is listed on separate tables with yields of individual locations, average agronomic data, and a summary of the last five years. Page 31 summarizes the yield of each variety at each of the locations where it was entered and page 32 shows the yields as a percentage of three check varieties (Arapahoe, Redland, and Siouxland). Page 33 lists the bushel weights for the varieties at each of the locations where it was tested. Page 34 summarizes the protein data for each location.

Yielding ability of different varieties cannot be measured with absolute accuracy because of variations in soil fertility, moisture, and other factors. For this reason, small differences in yield have no significance. Unless the difference in yield of two varieties is greater than the difference required for significance shown in the tables, little confidence can be placed in the superiority of the one over the other in that particular test. These differences are shown at the 5% and 25% levels, meaning that differences as large or larger could be expected through chance alone in 1 of 20 trials (5%) or 1 of 4 trials (25%). Even though two varieties are not statistically different, there may be other factors which influence the choice of one over the other. Such factors as their ability to complement other varieties, disease resistance, or availability of seed may influence that decision.

There were three trials conducted in the Southeast district, one in Saline County and two in Saunders County. Page 14 lists the data from the Saline and Saunders County test. Pages 15-16 show the five year summary for the southeast district. The Saline County test was planted September 27 into a firm seed bed with good moisture at a rate of 60 lbs/a. Soybean stubble was disked lightly and then harrowed prior to planting. Rawhide had poor emergence due to seed quality. A wet and cool spring followed by hot and windy weather in June led to disease problems such as Fusarium foot rot, Barley Yellow leaf and Tan spot. The later maturing varieties held on and performed better with the plot averaging 35 bu/a. There was no lodging. The Saunders County test were planted October 6 and harvested July 17 & 18. Too much wet and cool weather hurt yields and test weights here also.

The two trials in South Central Nebraska were in Clay and Nuckolls Counties. The Clay County plot was located at the South Central Research & Extension Center, Clay Center. The soil type was a Hastings silt loam that was fallow in 1994. The 26 varieties were planted on September 21 at a rate of 75 lbs/a in a 40 foot plot. Stand evaluation was recorded in the fall and flowering dates occurred mostly in June. Wheat was harvested on 12 July, 1995. The Nuckolls County trial was planted September 21 in a continuous wheat field at a rate of 75 lbs/a. About ten days before harvest a strong gusty wind caused severe lodging in most of the plots. The plot was harvested July 13 with an average of 36 bu/a.

Six trials were conducted in the west central District. These were located in Keith, Perkins, Hitchcock, Furnas, Custer, and

Lincoln County. Plant emergence and winter survival was good at all locations. At planting, surface moisture was lacking at Furnas county. The seedbed was dry and loose at Hitchcock and Perkins county but timely moisture after planting resulted in good plant stands. Starter fertilizer (8.5 gallons of 10-34-0) was applied at planting at Custer, Hitchcock, and Keith county. Soil test data was used to determine that starter was not needed at Furnas and Perkins county. At Custer and Furnas county the plot area was treated with Ally + 2,4-D on March 15 & 16 respectively. The Custer county plot also received a fungicide treatment of Bayleton 50DF + Dithane F45 + X-77 to protect it from an outbreak of leaf rust. A moderate infestation of leaf rust was observed in the Furnas county plot. At Perkins county, Amber + 2,4-D was spring applied for weed control. The Perkins county plot suffered slight hail damage from a strom on May 21. No herbicide treatments were applied at Hitchcock or Keith counties because of wet soil conditions, however weed pressure was very light. The Keith county plot was harvested by commercial harvesters and thus harvest data was lost. There was some lodging at the Lincoln county plot that reduced the yield. Above normal spring and early summer precipitation contributed to very good yields at all of the West Central Distict locations.

Seven trials were conducted in the west district, they were Kimball, Scottsbluff, Dawes, Banner, Box Butte, Cheyenne ecofallow and Cheyenne irrigated. The Kimball county test was planted September 9, 1994 and harvested August 2, 1995. This plot didn't get the rain that most of the Panhandle did early in the spring and late in the summer. It did get enough rain early in the summer to average 47 bu/a and a nice 61.4 pound test weight. The Scottsbluff county test was planted September 13, 1994 into a Keith loam soil that was fallow in 1993. Starter fertilizer and 2,4-D were applied to this plot and it was harvested July 26, 1995. There was little or no lodging in this test. The Dawes county plot had excellent moisture all year. It was planted September 14, 1994 and harvested July 27, 1995. Lodging was fairly high but it still averaged 69 bu/a. The Banner county plot was planted September 8, 1994 and went through a dry spring before receiving above average moisture in the summer. This plot was harvested July 25, 1995 and averaged 44 bu/a. The Box Butte county test was planted on September 7 into a very dry seed bed. The rains were timely through spring and summer as the plot averaged 77 bu/a. The Cheyenne county ecofallow test was planted September 19, 1994 into Proso millet stubble. Good moisture and seedbed conditions led to a nice stand. Above average summer moisture helped the plot to a 54 bu/a average which was havested August 2, 1995. The Cheyenne County irrigated test was planted September 16, 1994 and harvested July 28, 1995. The results of the 1995 irrigated test can be found on page 28 and the five year average are found on pages 29-30. The results of the 1995 dryland trial can be found on page 24 and the five averages are found on pages 25-27.

Protein and seed size was collected from two replicates of each location. The seed size data are reported as thousands of seeds per pound. Thus, a larger number represents smaller seed size. The protein data were combined within each district and reported in the district tables. They are also summarized on page 34. Protein was determined from whole grain using a

Near Infrared Spectrometer. The protein analysis was done by the Soil and Plant Analysis Lab at the University of Nebraska.

WINTER BARLEY SUMMARY 1995

The 1995 winter barley variety trials were planted at five locations: Lincoln, Deweese, McCook, North Platte and Sidney. "Tambar 500", a release from Texas A&M university, and two Kansas varieties: "Weskan" and "Kanby", were included again in the trial this year. Twenty-eight Nebraska lines were tested this year, four of which, ("Kearney", "Hitchcock", "Dundy", and "Perkins") were earlier releases. "Centurk 78" is a winter wheat that is used as a winter hardiness check. Due to the snow cover this winter, all locations failed to show any differences in winter survival.

The winter barley finished well despite the number of diseases that came in this spring. Heavy rains brought in a number of leaf blotch and leaf blight diseases. A moderate to heavy infection of leaf rust was evident at the Lincoln location. Most of the disease appeared after the critical grain filling time, and did not affect yields in any way.

The top yielding locations this year were Sidney, McCook, and Lincoln. Bacterial diseases at the Deweese site, and a late harvest at North Platte, lowered yields and inflated coefficients of variation at these sites.

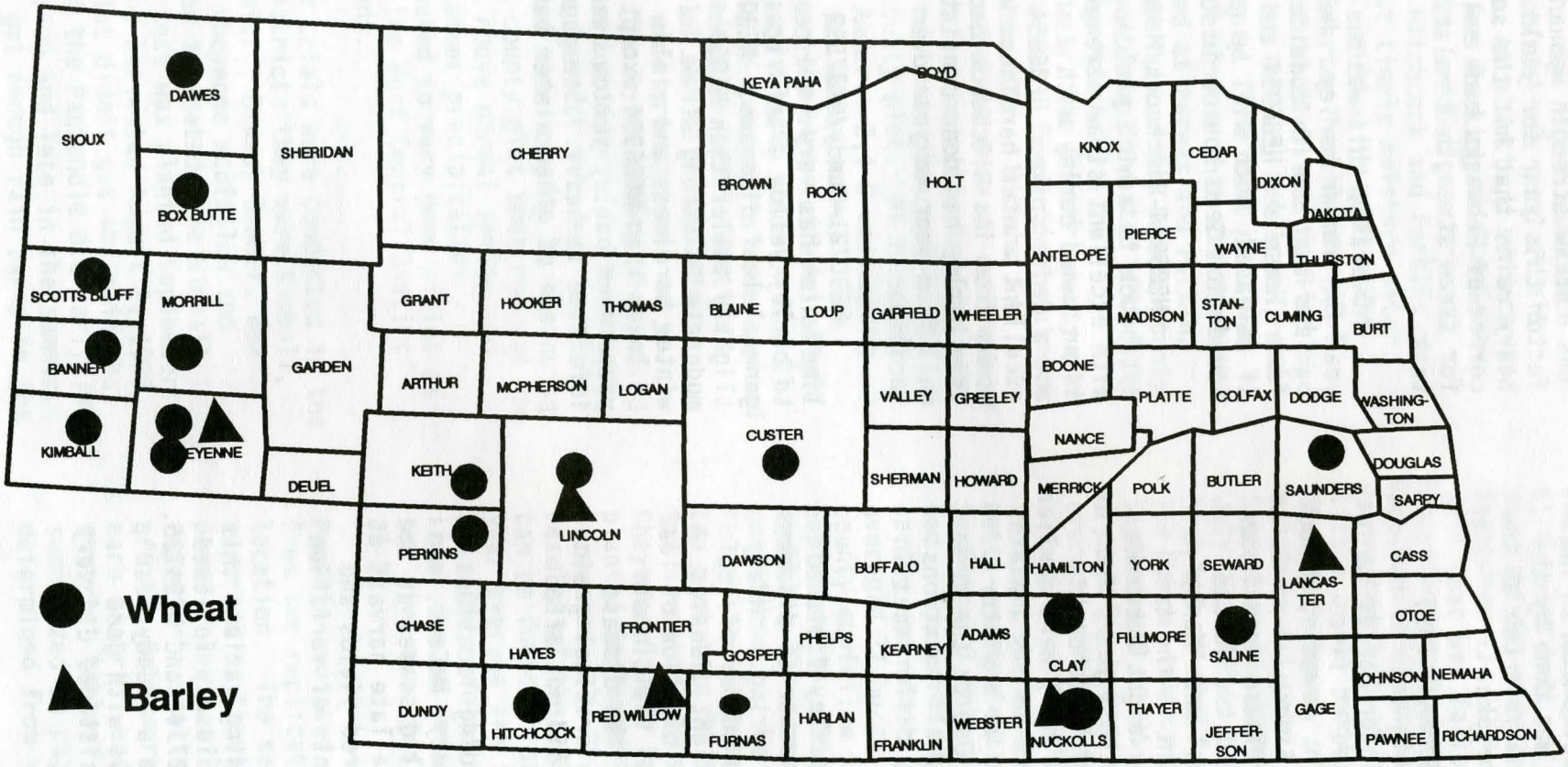
The top yielding variety this year was NE91702, closely followed by Tambar 500, NE92714, and NE94725. This appeared to be a "Dundy year", one in which barleys with good overall disease resistance did very well. See page 35.

Straw strength was another factor this year for yield. The heavy rains that hit the southeast corner of Nebraska made selecting for straw strength a relatively easy task.

Overall, this was an excellent year for winter barley. Nebraska barleys that are in consideration for release are NE86954 and NE90721. If released, both will be grown at a Foundation Seed source in Kansas.

NE86954-Hitchcock/Maury// Hitchcock is a high yielding variety with excellent straw strength. It is an awned barley with a short head and a dense spike. NE86954 has excellent winter hardiness which comes from its Hitchcock background. This barley has done consistently well from year to year over all locations.

NE90721-Dundy/OK77559 is a line which has very good resistance to barley yellow dwarf virus and general leaf diseases. NE90721 is slightly taller than NE86954 and has moderate to strong straw. Its winter hardiness and yields tend to be lower than NE86954 except in years when barley yellow dwarf infection is heavy. See page 36 for parentage of other winter barleys.



Locations of 1995 Nebraska winter wheat and winter barley variety tests.

Table A. Nebraska winter wheat variety tests 1995.

County	Cooperator	Planted	Harvested
Saline	Kenny Ripa, Wilber	Sept. 27	July 11
Saunders	Agricultural Res & Dev Center	Oct. 6	July 17
Clay	South Central Res & Ext Center	Sept. 21	July 12
Nuckcolls	Eldrick Grummert, Superior	Sept. 29	July 13
Keith	Jim Welsh, Brule	Sept. 12	*
Perkins	John Culver, Elsie	Sept. 16	July 19
Hitchcock	Marvin Goodenberger, Stratton	Sept. 19	July 13
Furnas	Dean tenBensel, Arapahoe	Sept. 22	July 12
Custer	Dean Spangler, Oconto	Sept. 14	July 28
Lincoln Ns	West Central Res & Ext Center	Sept. 21	July 21&24
Kimball	Vernon Bourlier, Kimball	Sept. 9	August 2
Scotts Bluff	Ken Hall, Stegall	Sept. 13	July 26
Dawes	Mark Haynes, Chadron	Sept. 14	July 27
Box Butte	Harry Cullen, Hemmingford	Sept. 7	July 29
Banner	Robin Brown, Harrisburg	Sept. 8	July 25
Cheyenne Irr	Tim Maas, Potter	Sept. 16	July 28
Cheyenne Eco	High Plains Ag Lab	Sept. 19	August 2

* Data not used due to harvest problems

Privately developed winter wheats were included in these trials. Entries were on a voluntary basis. A fee was charged to pay a portion of the testing costs. Entries and areas were selected by the seed producer.

The following made entries as indicated:

AgriPro Biosciences Inc. 806 N. 2, P.O. Box 30 Berthoud, CO 80513	Laredo, Longhorn, Ogallala, Thunderbird Ponderosa, Tomahawk, Abilene, AP7501 AP7601, WX92–0408, WX92–3210
HybriTech Seed 5912 N. Meridan Wichita, KS 67204	QT566, XH1520

Some of these are varieties, others are hybrids. The entrant should be contacted for information on seed availability, adaption and agronomic characteristics.

Table B. Soil series, previous crop, and fertilizers applied. Nebraska Winter Wheat Variety Tests – 1995.

County	Soil Type	1994 Crop	pH	Nitrate lbs/a	P ppm	Organic matter %	N+P2O5+K lbs/a
Saline	Crete silt loam	Soybeans	5.5	51.0	242.0	2.2	60–0–0
Saunders	Sharpsburg silty clay loam	Fallow	---	---	---	---	40–0–0
Clay	Hastings silt loam	Fallow	---	---	---	---	60–40–0
Nuckolls	Hastings silt loam	Wheat	---	---	---	---	75–0–0
Keith	Kuma silt loam	Fallow	6.2	120.0	23.0	1.7	10–34–0
Perkins	Keith silt loam	Fallow	6.3	70.0	26.0	1.4	30–0–5
Hitchcock	Keith silt loam	Fallow	6.9	92.0	16.0	1.7	10–34–0
Furnas	Holdrege silt loam	Fallow	5.8	70.0	26.0	1.7	40–0–0
Custer	Hall silt loam	Fallow	5.3	158.0	10.0	2.1	80–34–0
Lincoln Nursery	Hall silt loam	Fallow	---	---	---	---	60–40–0
Kimball	Rosebud loam	Fallow	7.8	78.0	11.0	1.4	8–28–0
Scotts Bluff	Keith loam	Fallow	7.5	51.0	14.0	1.2	8–28–0
Dawes	Richfield S.H. loam	Fallow	6.3	83.0	29.0	1.9	8–28–0
Box Butte	Rosebud loam	Fallow	6.6	149.0	18.0	1.9	20–50–0
Banner	Bagard sandy loam	Fallow	7.1	41.0	21.0	1.2	8–28–0
Cheyenne Eco.	Rosebud loam	Proso millet	7.1	22.0	26.0	1.7	8–28–0
Cheyenne Irr.	Kumon loam	Soybeans	6.9	55.0	38.0	1.6	108–43–5

Table C. Hard Red Winter Wheat Characteristics.

Variety	Agronomic Characteristics [1]						Reactions [2]							
	Maturity	Winter Hardiness	Straw Strength	Plant Height [4]	Col-optile Length [3]	Bushel Weight [4]	Hes-sian Fly	Leaf Rust	Stem Rust	Soil Borne Mosaic	Wheat Streak Mosaic	Origin	Year of Release	PVP [5]
Abilene	med early	good	very strong	short	short	very good	S	S	MR	R	LT	ASI	1986	yes
Akron	med early	fair	med strong	medium	medium	good	MR	S	MR-MS	S	–	CO	1994	no
Alliance	med early	fair	med strong	medium	short	good	MR	S	MR	S	LT	NE	1993	yes
Arapahoe	medium	good	med stong	medium	medium	good	MR	MR-MS	R	MR-MS	S	NE	1988	yes
Buckskin	med early	fair	med strong	tall	long	good	MR	S	MS	MR	MS	NE	1973	no
Centura	med early	fair	med strong	tall	long	very good	MS	MS	MR	S	LT	NE	1983	yes
Colt	medium	fair	strong	short	short	good	MR	S	MR	MS	S	NE	1983	yes
Hickok	v early	fair	med strong	short	medium	very good	S	MR-MS	MS-MR	R	S	ASI	1993	yes
Ike	med early	fair	med strong	medium	medium	very good	R	MS-MR	MR	R	S	KS	1993	yes
Jagger	very early	poor	med strong	short	medium	good	S	MR	MR	R	MT	KS	1994	yes
Jules	medium	fair	very strong	medium	medium	fair	–	MR-MS	MR-MS	S	S	CO	1992	yes
Karl 92	very early	fair	strong	short	short	very good	S	S-MS	MS	R	VS	KS	1992	yes
Lamar	medium	good	medium	tall	long	good	S	S	MS	S	VS	CO	1988	no
Laredo	early	fair	strong	short	medium	good	S	MS-MR	MR-MS	MS-MR	S	ASI	1992	yes
Longhorn	med early	fair	strong	medium	long	very good	S	MR-MS	MR	S	MT	ASI	1991	yes
Nekota	med early	good	med strong	medium	medium	good	S	MS	MR	S	S	NE	1994	no
Niobrara	med early	good	med strong	medium	medium	good	S	MS	MR	S	LT	NE	1994	yes
Ogallala	med early	fair	strong	short	medium	very good	S	MR-MS	MR	S	MT	ASI	1993	yes
Ponderosa	early	fair	strong	short	short	good	S	MR-MS	MR	R	VS	ASI	1993	yes
Rawhide	med early	fair	med strong	medium	medium	good	MR	S	MR	S	VS	NE	1990	yes
Redland	medium	good	strong	medium	short	fair	R	MS-MR	MR	MS-MR	MT	NE	1985	yes
Sandy	medium	good	medium	tall	long	good	S	MR-MS	–	S	–	CO	1980	no
Scout 66	med early	fair	medium	tall	long	good	S	MS	MR-MS	S	VS	NE	1966	no
Siouxland	med early [6]	fair	med strong	tall	long	good	S	S	MR	S	LT	NE	1984	yes
TAM 107	very early	fair	strong	short	long	good	S	S	MR-MS	S	MT	TX	1984	yes
Thunderbird	med early	fair	strong	medium	long	very good	S	MS	MR	R	LT	ASI	1985	yes
Tomahawk	early	fair	strong	short	medium	good	S	MR-MS	MR	R	VS	ASI	1991	yes
Vista	medium	fair	med strong	short	short	good	R	MR-MS	MR-MS	S	MT	NE	1992	yes
Vona	early	poor	strong	short	short	good	MR	S	MS	S	VS	CO	1976	yes
Yuma	early	fair	med strong	short	short	good	S	S	MR-MS	S	VS	CO	1991	yes
Quantum 566	medium	good	medium	med tall	medium	good	MR	MS	MR	S	S	HSI	1994	no
AP 7501	med early	fair	very strong	medium	medium	good	S	MR	MR	R	MT	ASI	1995	no
AP 7601	med early	fair	very strong	medium	medium	good	S	MR	MR-MS	R	MT	ASI	1995	no
2163	early	fair	very strong	short	medium	fair	R	MR	MS-MR	R	LT	PIO/KSU	1989	yes

1 These comparative ratings are based on each variety's average performance within its area of adaptation under normal Nebraska growing conditions and cultural practices. This chart is updated annually. Plant appearance may be influenced by soil, weather, pests, and other production conditions.

2 R=resistant; S=susceptible, MR=moderately resistant; MS=moderately susceptiable. The reation may vary depending on how favorable conditions are for disease or inspect development practices and/or plant growth or deviations are genetic resistance with the variety. Sources used to comple this information include: field and greenhouse observations and other state university materials. (a) Relative varietal reaction to wheat streak mosaic virus is based upon actual Nebraska yield data from the 1988 and 1989 crops years or other comparable tests. MT=moderate tolerance, LT-low tolerance, MS=moderately susceptible, S=susceptible.

3 If "short" stand uniformity and establishment will be reduced by sowing seed more than 2 inches deep. Deep seeding may also reduce stand of medium and long coleoptile varieties.

4 Actual height and bushel weight will vary widely with season, location, and production conditions. General bushel weight ratings: Very Good=62 lb/bu, Good=60 lb/bu, fair=56 lb/bu. General height ratings under optiumum moisture): short=30-35", medium=35-40", tall=40-45".

5 If "yes" the Plant Variety Protection Act prohibits unauthorized seed production. The seed may be sold for planting purposes only when properly grown and labeled as Certified Quality seed.

6 Maturity may become later compared to other varieties as Siouxland is moved north or west due to response to available heat units.

Southeast District Winter Wheat Variety Tests

Brand	Variety	Average bu/a	Saline bu/a	Saunders bu/a	Saunders bu/a	Lodging pct	Thousand seed/lb	Grain protein pct	Bushel weight lb/bu	Plant height inches
-----	NE91631	49	52	51	43	2	19.12	14.0	58.6	45
-----	NE91648	44	45	43	43	13	18.94	14.8	59.2	43
-----	Arapahoe	43	44	45	39	5	20.57	14.7	58.2	41
-----	Vista	43	42	47	40	3	20.09	14.6	56.6	38
-----	Redland	42	43	43	40	10	22.14	14.5	56.4	41
-----	Jagger	41	33	49	42	2	20.96	16.4	54.8	37
-----	NE90625	40	45	38	38	3	20.46	14.5	58.8	40
-----	Alliance	40	37	45	39	15	21.50	14.2	56.1	41
-----	NE90476	40	35	44	.	18	18.98	14.4	55.2	39
-----	Niobrara	39	32	42	43	5	21.57	14.6	54.1	42
-----	Karl 92	38	33	42	38	5	19.80	15.6	58.3	37
-----	Ike	36	32	39	38	13	21.18	15.8	57.1	40
-----	NE88584	34	36	36	31	40	19.42	16.5	58.8	44
-----	2163	33	32	34	.	1	25.18	15.2	52.1	37
-----	NE91651	31	27	36	31	5	24.79	15.8	53.2	40
-----	TAM 200	31	23	40	31	2	23.32	15.5	58.3	35
AgriPro	Thunderbird	31	35	27	.	.	20.43	15.0	59.5	41
-----	Siouxland	30	35	31	23	4	19.58	15.1	58.0	44
-----	NE90524	30	27	33	29	8	22.48	15.4	54.6	44
-----	NE90479	30	25	36	29	7	18.46	15.9	58.7	40
-----	Rawhide	29	26	35	27	4	23.27	15.6	56.4	39
-----	Turkey	26	36	20	22	23	18.21	15.8	56.0	45
-----	Scout66	25	31	21	23	73	18.71	15.6	57.9	43
Average of all entries		35	35	39	33	12	20.82	15.1	56.8	41
Dif. req. for sig. 5%		8	6	5	9	7	2.25	0.7	3.7	3
	25%	5	4	3	5	4	1.28	0.4	2.1	2

Southeast District Winter Wheat Variety Tests 1991 – 1995.

Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		2 YEAR AVERAGE					
AgriPro	Thunderbird	47.5	0.0	17.8	14.3	60.0	40
-----	Karl 92	46.7	4.0	17.3	14.3	58.4	34
-----	Vista	46.5	6.0	18.2	14.0	56.4	34
-----	Alliance	46.2	13.0	19.0	13.4	56.0	36
-----	Niobrara	45.4	7.0	18.5	13.7	55.1	38
-----	Ike	45.2	11.0	18.1	14.4	57.9	37
-----	Nekota	44.9	4.0	14.6	13.2	58.6	36
-----	Redland	44.5	6.0	20.3	13.8	55.8	37
-----	Arapahoe	44.2	6.0	19.0	14.4	57.4	37
-----	NE90625	43.8	5.0	19.2	13.9	57.1	36
-----	NE90479	43.4	7.0	16.5	14.6	59.0	37
-----	NE88584	39.7	25.0	17.7	15.1	58.5	40
-----	Siouxland	39.5	3.0	18.0	14.2	57.6	40
-----	NE90524	39.5	11.0	19.7	14.4	55.8	40
-----	Rawhide	39.5	2.0	21.0	14.7	56.3	36
-----	2163	37.0	1.0	21.7	14.5	51.4	34
-----	Turkey	36.8	17.0	17.3	14.8	57.0	43
-----	TAM 200	35.8	3.0	22.2	14.6	57.5	31
-----	Scout66	32.0	48.0	16.9	14.7	57.9	40
AVERAGE ALL ENTRIES		40.1	10	18.7	14.3	57.0	36
DIF. REQ. FOR SIG.	5%	NS	NS	0.6	NS	NS	1
	25%	1.9	3	0.3	0.1	0.5	1
		3 YEAR AVERAGE					
-----	Arapahoe	44.8	5.0	18.8	13.7	55.8	36
-----	Vista	43.3	5.0	19.0	13.4	53.2	33
-----	Nekota	43.2	4.0	14.9	12.8	55.9	35
-----	Alliance	43.1	10.0	19.3	13.1	53.9	36
-----	Niobrara	42.9	6.0	18.3	13.3	53.8	37
-----	Karl 92	42.8	4.0	17.5	13.7	56.7	34
-----	Redland	42.3	6.0	20.1	13.2	54.3	36
-----	NE88584	39.1	18.0	17.5	14.3	56.1	39
-----	2163	38.3	2.0	19.9	13.8	52.0	34
-----	Rawhide	36.0	3.0	21.2	14.0	54.3	35
-----	Siouxland	35.3	4.0	18.1	13.5	54.7	39
-----	TAM 107	35.0	4.0	17.4	12.9	49.7	33
-----	TAM 200	34.2	4.0	21.8	14.0	55.1	31
-----	Scout66	32.3	33.0	16.3	14.0	55.9	40
-----	Jules	29.0	5.0	19.7	12.3	47.5	33
-----	Turkey	28.8	12.0	18.9	13.5	54.1	43
AVERAGE ALL ENTRIES		38.2	8	18.8	13.6	54.4	36
DIF. REQ. FOR SIG.	5%	2.4	NS	NS	NS	NS	1
	25%	1.4	3	0.1	0.1	0.5	1

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Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		4 YEAR AVERAGE					
-----	Arapahoe	45.6	5.0	18.5	13.5	55.8	35
-----	Nekota	45.2	4.0	15.2	12.7	56.2	34
-----	Vista	44.4	5.0	18.5	13.3	53.8	32
-----	Alliance	44.0	10.0	19.0	12.9	54.2	35
-----	Redland	43.9	6.0	19.2	13.0	54.6	35
-----	Siouxland	36.6	4.0	17.8	13.4	55.0	38
-----	Rawhide	34.0	3.0	20.6	13.7	54.2	33
-----	TAM 107	33.8	4.0	17.8	13.1	53.1	31
-----	Scout66	33.0	33.0	16.1	13.8	56.1	39
-----	Turkey	29.9	12.0	18.5	13.4	54.7	41
-----	TAM 200	28.0	4.0	21.6	13.8	54.9	30
AVERAGE ALL ENTRIES		38.0	9	18.6	13.1	56.2	35
DIF. REQ. FOR SIG.	5%	2.7	NS	0.5	NS	0.5	1
	25%	1.5	3	0.3	NS	0.3	1
		5 YEAR AVERAGE					
-----	Arapahoe	43.9	5.0	18.2	13.3	56.8	34
-----	Vista	43.7	5.0	18.0	13.0	55.1	31
-----	Redland	43.7	6.0	18.7	12.7	55.7	35
-----	Siouxland	38.1	4.0	17.4	13.2	56.4	37
-----	TAM 107	37.2	4.0	16.1	12.4	55.7	31
-----	Rawhide	36.2	3.0	19.8	13.3	55.8	33
-----	Scout66	34.6	33.0	15.9	13.5	57.4	38
-----	TAM 200	32.0	4.0	20.9	13.2	56.3	29
-----	Turkey	30.9	12.0	18.0	13.2	56.1	42
AVERAGE ALL ENTRIES		37.8	9	18.2	13.1	56.2	35
DIF. REQ. FOR SIG.	5%	2.7	NS	0.5	NS	NS	1
	25%	1.6	3	0.3	NS	0.2	1

South Central District Winter Wheat Variety Tests

Brand	Variety	Average bu/a	Clay bu/a	Nuckolls bu/a	Lodging pct	Thousand seed/lb	Grain protein pct	Bushel weight lb/bu	Plant height inches
-----	Jagger	53	44	62	29	17.11	13.1	59.4	35
-----	Vista	52	57	47	32	17.41	12.2	57.7	34
-----	NE91631	51	63	39	42	18.20	11.8	56.8	41
-----	Karl 92	49	48	49	39	17.85	13.1	60.1	34
Quantum	QT 566	45	49	41	40	17.48	12.3	57.7	40
-----	NE90625	44	51	37	37	16.90	12.0	57.9	38
-----	TAM 200	43	42	43	34	19.48	12.4	59.6	34
-----	Arapahoe	42	47	37	45	17.43	12.2	58.8	38
-----	NE88584	41	43	38	68	16.97	12.7	60.4	41
-----	Alliance	41	45	36	45	19.05	11.6	57.9	37
-----	Siouxland	40	46	34	37	17.66	12.5	59.9	42
-----	Centura	40	44	35	57	18.66	12.2	59.6	41
-----	NE91648	39	41	36	51	17.16	12.0	60.2	40
-----	Redland	39	41	36	44	17.44	11.9	57.7	39
-----	Ike	39	38	40	54	18.58	12.7	59.5	38
-----	NE90476	38	36	40	42	16.80	12.2	57.4	37
-----	2163	36	40	32	34	18.34	12.3	57.7	37
-----	NE90479	35	37	32	24	16.99	12.8	60.3	37
-----	NE91651	32	34	30	41	19.05	12.7	56.6	37
-----	Turkey	30	34	25	69	17.22	13.2	60.1	42
AgriPro	Tomahawk	30	31	28	30	20.35	12.8	55.8	36
-----	Scout66	30	35	24	75	18.15	14.4	58.6	41
-----	Niobrara	29	26	32	54	17.90	12.2	55.6	39
AgriPro	Laredo	27	29	24	49	19.82	13.1	56.4	35
-----	NE90524	26	28	24	40	18.86	12.5	58.1	41
-----	Rawhide	26	25	27	50	18.05	13.0	58.1	38
Average of all entries		37	41	36	50	18.25	12.5	58.3	38
Dif. req. for sig. 5%		11	16	12	NS	1.35	0.8	1.4	3
	25%	6	9	7	NS	0.77	0.4	0.8	2

South Central District Winter Wheat Variety Tests 1991 – 1995.

Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		2 YEAR AVERAGE					
-----	Karl 92	51.3	39	17.6	12.9	60.8	27
-----	Vista	50.5	32	18.0	12.2	59.0	28
Quantum	QT 566	46.0	40	18.3	12.5	57.7	33
-----	NE90625	45.0	37	18.0	12.5	58.6	31
-----	Ike	44.5	54	17.6	12.8	60.4	31
-----	Alliance	44.3	45	20.0	12.0	58.8	30
-----	NE88584	43.8	68	18.0	12.7	60.9	34
-----	Arapahoe	43.5	45	18.3	12.9	59.1	31
-----	NE90479	43.3	24	16.5	13.1	61.0	31
-----	Redland	42.8	44	18.2	12.3	58.2	32
-----	Centura	42.8	57	19.3	12.5	60.5	35
-----	Siouxland	41.5	37	18.0	12.7	60.2	36
-----	TAM 200	41.3	34	20.8	12.6	61.2	28
AgriPro	Tomahawk	40.3	30	19.1	12.8	57.7	29
-----	Niobrara	39.5	54	18.0	12.3	57.5	33
-----	Rawhide	38.5	50	19.3	12.6	59.3	31
-----	NE90524	37.0	40	19.2	12.3	59.9	34
-----	Scout66	35.8	75	17.4	13.5	60.2	35
-----	2163	35.0	34	19.0	13.0	57.7	28
-----	Turkey	33.3	69	17.8	13.4	59.6	37
Average all entries		42.0	45	18.4	12.7	59.4	32
Dif. Req. for Sig. 5%		NS	NS	0.5	NS	0.7	1
25%		NS	NS	0.3	NS	0.4	1
		3 YEAR AVERAGE					
-----	Karl 92	51.8	70	17.2	13.2	58.4	31
-----	Vista	50.8	65	18.0	12.8	56.3	31
-----	Arapahoe	46.3	68	18.1	13.3	56.5	34
-----	Alliance	45.5	70	19.4	12.6	56.0	33
-----	Redland	45.3	58	18.1	12.8	55.6	35
AgriPro	Tomahawk	44.5	63	18.1	13.1	55.6	32
-----	TAM 200	44.5	65	20.5	13.0	57.4	31
-----	Centura	44.0	75	18.9	13.0	57.7	38
-----	NE88584	43.0	80	17.5	13.2	58.5	38
-----	Siouxland	42.5	61	17.8	13.0	57.6	39
-----	Niobrara	42.5	69	17.8	12.8	55.1	36
-----	2163	41.3	62	18.1	13.1	55.5	31
-----	Rawhide	40.5	70	19.5	12.9	56.3	35
-----	Scout66	36.3	86	16.8	13.9	57.8	40
-----	Turkey	32.2	80	17.6	13.6	57.2	41
Average all entries		43.4	69	18.2	13.1	56.8	35
Dif. Req. for Sig. 5%		3.2	NS	0.5	NS	0.6	1
25%		1.8	NS	0.3	0.2	0.3	1

South Central District Winter Wheat Variety Tests 1991 – 1995. Page 2.

Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
	4 YEAR AVERAGE						
-----	Vista	51.4	56	19.3	13.1	55.9	32
AgriPro	Tomahawk	48.1	47	18.1	13.1	55.7	33
-----	Arapahoe	47.0	62	18.1	13.3	56.1	36
-----	Redland	46.3	47	19.0	12.9	55.2	37
-----	TAM 200	46.3	60	20.5	13.0	57.2	32
-----	2163	44.8	44	18.1	13.1	55.1	32
-----	Centura	44.4	58	18.9	13.0	57.2	39
-----	Rawhide	42.0	64	19.5	12.9	55.6	36
-----	Siouxland	41.6	49	17.8	13.0	56.2	39
-----	Scout66	36.0	80	17.3	14.0	57.0	40
-----	Turkey	32.0	67	17.6	13.6	56.3	41
Average all entries		43.6	57	18.6	13.2	56.1	36
Dif. Req. for Sig. 5%		2.9	6	0.5	NS	NS	1
25%		1.6	4	0.3	0.1	0.3	1
	5 YEAR AVERAGE						
-----	Arapahoe	51.0	51	17.8	12.6	56.2	37
-----	TAM 200	50.2	55	19.5	12.2	57.4	32
-----	Redland	49.4	40	18.4	12.2	55.3	37
-----	Centura	46.9	49	18.4	12.2	57.1	40
-----	Rawhide	46.2	53	18.8	12.4	55.9	37
-----	Siouxland	45.1	41	17.5	12.3	56.2	40
-----	Scout66	38.2	63	17.0	13.4	57.0	42
-----	Turkey	34.0	53	17.8	13.1	56.0	43
Average all entries		45.1	51	18.1	12.6	56.4	39
Dif. Req. for Sig. 5%		1.9	NS	0.4	0.2	NS	1
25%		1.1	3	0.2	0.1	0.3	1

West Central District Winter Wheat Variety Tests

Brand	Variety	Average bu/a	Perkins bu/a	Hitchcock bu/a	Furnas bu/a	Custer bu/a	Lincoln bu/a	Lodging pct	Thousand seed/lb	Grain protein pct	Bushel weight lb/bu	Plant height inches
AgriPro	WX92-0408	77	64	93	73	80	76	9	16.88	13.0	58.9	38
-----	Jagger	67	60	73	55	70	75	38	16.71	13.6	57.6	38
AgriPro	AP 7501	67	57	75	57	80	66	11	17.51	13.2	57.8	39
-----	2163	65	61	76	50	63	73	7	14.84	12.8	56.9	39
AgriPro	Ogallala	65	54	70	60	68	71	29	17.02	13.8	59.4	36
-----	TAM 200	64	63	75	54	63	64	38	18.10	13.1	58.7	38
-----	Vista	60	64	67	56	56	56	39	15.73	13.5	55.8	37
-----	Niobrara	59	58	71	50	56	58	50	15.50	13.3	56.0	42
-----	TAM 107	59	57	61	57	64	56	21	13.55	14.1	57.7	40
-----	Karl 92	58	56	66	48	61	61	31	15.62	14.0	58.8	36
AgriPro	Tomahawk	58	54	71	30	66	67	27	17.13	13.8	56.7	38
-----	Alliance	57	63	66	45	49	60	46	16.51	12.7	56.0	40
-----	NE91651	56	54	65	41	58	62	48	17.79	13.6	55.7	41
-----	Redland	56	51	69	48	56	54	31	17.39	13.3	55.9	42
AgriPro	Ponderosa	55	50	61	42	63	58	20	16.88	14.3	58.0	39
AgriPro	Laredo	55	55	64	29	63	64	42	16.44	13.9	57.6	37
-----	Akron	54	56	63	44	47	61	17	17.53	13.0	56.7	42
-----	Halt	54	59	69	32	50	59	42	19.73	13.9	55.4	39
-----	NE91631	54	52	65	41	55	55	25	18.15	12.9	55.6	44
-----	Arapahoe	53	57	58	43	46	60	41	16.73	13.8	56.7	41
-----	Ike	53	52	59	38	57	57	47	16.40	14.2	56.7	40
AgriPro	Longhorn	53	54	59	31	62	59	17	16.56	13.5	57.9	41
-----	NE90524	53	52	68	37	51	56	51	16.95	13.3	56.8	43
-----	NE90476	52	54	61	39	51	57	50	16.09	13.9	55.9	38
-----	NE90625	52	58	58	42	48	53	34	18.82	13.3	55.6	42
-----	Rawhide	52	50	66	40	54	52	36	17.67	13.4	57.6	42
-----	NE91648	51	51	59	39	46	60	45	16.03	13.4	57.5	42
Quantum	QT 566	50	57	54	28	55	57	47	16.96	13.5	55.8	41
-----	Jules	48	62	57	38	41	43	22	17.70	12.8	54.9	40
-----	Lamar	47	57	52	36	49	43	42	15.82	13.9	58.4	42
-----	Centura	46	61	46	29	43	51	50	16.82	14.1	57.0	43
-----	NE90479	45	39	47	40	50	50	31	14.92	14.9	57.6	40
-----	Siouxland	43	50	49	35	35	45	29	17.24	13.3	55.5	43
-----	NE88584	43	55	44	28	37	50	62	16.55	13.9	56.2	42
-----	Scout66	33	45	38	20	28	34	76	17.39	13.8	55.3	43
-----	Turkey	30	45	34	17	20	35	71	17.96	14.3	55.3	44
Average of all entries		54	55	62	41	54	57	36	16.83	13.5	56.8	40
Dif. req. for sig. 5%		8	5	8	8	9	8	19	1.66	0.8	1.5	2
	25%	5	3	5	5	5	4	11	0.96	0.4	0.9	1

West Central District Winter Wheat Variety Tests 1991 – 1995.

Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		2 YEAR AVERAGE					
AgriPro	Ogallala	58.7	15	18.1	13.8	60.5	31
-----	Niobrara	56.8	25	16.3	13.3	57.2	36
-----	Vista	56.4	20	16.9	13.7	56.7	32
-----	TAM 200	56.2	19	19.0	13.3	60.1	32
-----	Karl 92	56.2	16	16.1	13.8	59.7	32
-----	TAM 107	55.6	10	14.8	13.7	58.1	34
-----	Alliance	55.5	23	17.6	12.8	56.7	35
AgriPro	Tomahawk	55.0	13	17.1	13.8	57.4	33
-----	Redland	54.5	16	17.6	13.3	57.1	37
AgriPro	Laredo	54.3	21	16.3	13.7	58.6	32
-----	Ike	54.0	25	16.3	13.9	58.3	35
Quantum	QT 566	54.0	24	17.5	13.4	57.3	37
-----	Rawhide	52.9	18	18.2	13.5	58.1	36
AgriPro	Ponderosa	52.1	10	17.1	14.2	58.8	33
-----	NE90524	52.1	26	17.6	13.2	58.2	37
-----	NE90625	51.8	17	18.4	13.4	56.7	36
-----	Arapahoe	50.7	20	17.5	13.9	57.6	35
AgriPro	Longhorn	49.5	9	16.3	13.7	59.0	35
-----	Centura	48.9	28	17.6	13.9	58.6	37
-----	NE90479	48.6	16	15.4	14.2	59.1	35
-----	Jules	48.2	11	18.1	12.7	56.1	34
-----	NE88584	48.2	32	16.8	13.8	58.2	37
-----	Siouxland	47.4	14	17.2	13.4	58.0	38
-----	Lamar	47.2	21	16.5	13.9	59.7	37
-----	2163	46.4	3	16.5	13.3	55.7	32
-----	Scout66	40.8	44	17.0	13.6	57.9	39
-----	Turkey	37.9	36	17.7	14.1	57.8	40
Average all entries		51.5	20	17.1	13.6	58.0	35
Dif. Req. for Sig. 5%		NS	NS	0.3	0.1	0.3	1
25%		NS	2	0.2	0.1	0.2	1
		3 YEAR AVERAGE					
AgriPro	Ogallala	61.9	10	17.4	13.3	59.8	32
-----	Niobrara	61.3	21	15.6	12.7	56.9	38
-----	Karl 92	59.7	12	15.7	13.1	58.7	33
AgriPro	Laredo	59.2	15	15.3	13.1	58.0	33
-----	Ike	59.1	23	15.8	13.4	57.8	37
-----	Alliance	58.8	24	17.0	12.3	56.6	36
-----	Vista	58.5	17	16.2	13.0	56.4	33
-----	TAM 107	58.4	7	14.4	13.1	57.3	35

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West Central District Winter Wheat Variety Tests 1991 – 1995. Page 2.

Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		3 YEAR AVERAGE					
-----	Redland	58.4	11	16.9	12.7	56.6	38
-----	TAM 200	58.2	21	18.0	12.6	58.9	33
AgriPro	Tomahawk	58.2	10	16.1	13.2	57.0	34
AgriPro	Ponderosa	55.6	9	16.3	13.6	58.2	34
-----	Rawhide	55.4	17	17.7	12.9	57.4	37
-----	Arapahoe	54.6	22	16.9	13.2	57.0	37
AgriPro	Longhorn	53.7	7	15.4	13.2	58.6	37
-----	2163	52.7	5	15.9	12.7	55.6	33
-----	Siouxland	51.3	15	16.8	13.0	57.4	40
-----	Centura	51.1	33	17.0	13.4	58.1	38
-----	NE88584	50.4	39	16.2	13.1	57.8	39
-----	Lamar	49.8	25	15.9	13.3	59.2	39
-----	Jules	48.2	9	17.3	12.2	56.0	34
-----	Scout66	42.9	54	16.0	13.1	57.6	41
-----	Turkey	38.5	48	17.3	13.6	57.1	42
Average all entries		54.6	20	16.4	13.0	57.6	36
Dif. Req. for Sig. 5%		1.8	3	0.2	0.1	0.3	1
25%		1.0	2	0.1	0.1	0.2	1
		4 YEAR AVERAGE					
-----	Alliance	59.1	18	16.4	12.2	57.2	35
-----	Redland	57.9	9	16.3	12.7	57.0	36
-----	Vista	57.5	13	15.7	12.9	56.9	32
AgriPro	Laredo	57.3	12	15.0	13.1	58.2	32
-----	TAM 200	57.1	16	17.2	12.6	59.3	31
-----	TAM 107	56.8	5	14.0	13.0	57.8	33
AgriPro	Tomahawk	56.1	7	15.5	13.2	57.4	33
-----	Rawhide	55.3	13	17.2	13.0	57.8	36
-----	Arapahoe	53.3	17	16.4	13.2	57.2	35
AgriPro	Longhorn	52.9	6	14.7	13.1	58.9	36
-----	2163	52.5	4	15.5	12.7	56.0	31
-----	Siouxland	50.5	11	16.2	12.9	57.5	38
-----	Centura	50.4	25	16.5	13.2	58.5	37
-----	Lamar	48.6	20	15.4	13.2	59.3	37
-----	Scout66	43.0	47	15.4	13.0	58.1	40
-----	Turkey	39.1	40	16.6	13.6	57.6	40
Average all entries		52.9	16	15.9	13.0	57.8	35
Dif. Req. for Sig. 5%		1.4	3	0.2	0.1	0.2	1
25%		0.8	2	0.1	0.1	0.1	1

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West Central District Winter Wheat Variety Tests 1991 – 1995. Page 3.

Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		5 YEAR AVERAGE					
-----	Redland	54.7	9	16.6	12.5	57.0	36
-----	Vista	54.7	12	16.1	12.7	57.3	31
AgriPro	Tomahawk	54.3	7	15.5	13.0	57.8	33
-----	TAM 200	52.7	14	17.7	12.5	59.5	31
-----	TAM 107	52.0	7	14.6	12.8	57.8	33
-----	Arapahoe	51.7	18	16.7	13.0	57.5	35
-----	Rawhide	51.2	15	17.6	12.8	57.7	36
AgriPro	Longhorn	49.8	5	15.0	13.0	59.1	36
-----	Siouxland	48.3	11	16.6	12.7	57.6	39
-----	Centura	47.7	23	16.6	13.0	58.6	37
-----	Lamar	45.9	17	15.6	13.0	59.0	37
-----	Scout66	41.2	51	15.7	12.9	58.3	39
-----	Turkey	36.7	42	17.0	13.3	57.4	40
Average all entries		49.3	18	16.3	12.9	58.1	36
Dif. Req. for Sig. 5%		1.0	2	0.2	0.1	0.2	1
25%		0.6	1	0.1	0.1	0.1	1

West District Winter Wheat Variety Tests

Brand	Variety	Average bu/a	Kimball bu/a	Scotts Bluff bu/a	Dawes bu/a	Box Butte bu/a	Banner bu/a	Cheyenne E bu/a	Lodging pct	Grain protein pct	Bushel weight lb/bu	Plant height inches
-----	Akron	65	53	57	81	86	53	58	3	9.7	61	36
-----	Halt	64	53	60	82	82	47	60	10	10.4	60	33
-----	NE90625	63	53	58	77	82	52	57	8	9.8	60	36
-----	NE91631	62	52	57	71	84	52	56	10	9.8	60	40
-----	Jagger	62	40	48	88	92	44	58	13	11.0	61	34
AgriPro	Ogallala	61	47	52	77	88	47	54	5	11.0	63	32
-----	Alliance	61	48	58	68	84	46	62	18	9.9	60	36
-----	Rawhide	61	44	56	87	83	48	50	2	11.2	61	37
-----	TAM 200	60	49	56	78	79	53	46	8	10.3	62	32
Quantum	QT 566	60	54	55	62	77	52	62	17	10.4	61	38
-----	Redland	60	53	48	76	86	40	54	8	10.3	60	37
-----	Vista	60	50	53	76	80	48	50	9	11.1	60	32
-----	Niobrara	60	52	55	71	77	47	57	10	10.5	60	37
-----	NE91648	59	52	50	63	82	47	61	20	10.4	61	38
-----	Centura	59	48	55	73	78	48	54	10	10.9	61	40
-----	Jules	59	51	58	65	72	52	57	9	9.4	59	35
-----	NE91651	59	45	48	79	76	48	58	18	10.5	60	36
-----	Siouxland	58	47	50	73	82	47	48	5	11.1	60	41
-----	Arapahoe	57	47	52	62	80	45	54	18	11.0	60	37
-----	Buckskin	57	51	56	60	75	42	56	11	11.1	61	43
-----	NE90524	57	54	48	64	76	41	56	21	9.8	60	39
-----	Lamar	56	50	52	53	82	43	55	24	10.7	62	40
-----	Karl 92	56	45	45	79	75	40	52	4	12.1	62	33
-----	Nekota	55	39	48	73	80	42	49	8	11.6	61	34
-----	NE88584	55	48	52	50	82	46	54	29	10.6	61	41
-----	TAM 107	54	39	46	82	73	29	57	3	11.7	60	33
-----	Ike	54	38	47	73	83	31	51	7	12.3	61	36
AgriPro	Thunderbird	53	43	48	69	70	37	48	14	11.1	62	38
AgriPro	Longhorn	52	45	42	58	78	39	49	18	10.9	61	38
-----	NE90479	48	35	38	66	70	31	47	6	12.4	62	36
-----	Turkey	40	43	46	36	35	38	41	31	11.3	61	43
-----	Scout66	40	46	46	35	33	35	46	35	11.2	60	40
Average of all entries		59	47	51	69	77	44	54	13	10.7	61	37
Dif. req. for sig. 5%		8	6	6	12	11	6	8	23	0.6	1	1
	25%	5	4	4	7	7	3	5	13	0.3	1	1

West District Winter Wheat Variety Tests 1991 – 1995.

Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		2 YEAR AVERAGE					
Quantum	QT 566	54.6	17	12.2	12.0	59.8	33
-----	Alliance	53.7	18	12.3	11.3	59.7	31
-----	NE90625	53.7	8	12.4	11.6	59.5	32
-----	Niobrara	52.7	10	11.5	11.9	59.5	33
-----	Vista	52.2	9	11.7	12.3	59.4	29
-----	Rawhide	52.0	2	13.0	12.6	60.2	32
-----	Halt	51.5	10	12.4	12.3	59.5	28
-----	Redland	50.6	8	12.4	11.9	59.2	33
-----	Jules	50.3	9	13.2	10.8	58.9	30
AgriPro	Ogallala	50.3	5	13.4	13.0	61.8	27
-----	Centura	50.2	10	12.5	12.2	60.8	34
-----	Buckskin	49.8	11	11.6	12.5	60.9	37
-----	NE90524	49.3	21	12.3	11.4	60.3	34
-----	Siouxland	49.3	5	12.5	12.5	59.8	35
-----	Karl 92	48.9	4	11.5	13.9	60.3	28
-----	Nekota	48.9	8	10.8	12.8	60.7	30
-----	TAM 200	48.6	8	13.6	12.0	61.9	28
-----	Ike	48.4	7	11.3	13.7	60.0	31
-----	Lamar	48.1	24	11.7	12.1	61.9	33
-----	NE88584	48.0	29	11.6	12.2	60.2	35
-----	TAM 107	47.1	3	10.8	12.5	59.6	29
-----	Arapahoe	47.0	18	12.6	12.8	59.3	32
-----	NE90479	45.0	6	11.2	13.2	61.2	31
AgriPro	Longhorn	44.4	18	11.1	12.4	60.2	32
-----	Scout66	39.8	35	11.0	12.5	60.4	35
-----	Turkey	37.6	31	12.2	12.9	60.3	36
Average all entries		48.9	13	12.0	12.3	60.2	32
Dif. Req. for Sig. 5%		1.2	NS	0.1	0.1	0.1	1
25%		0.7	NS	0.1	0.1	0.1	1
		3 YEAR AVERAGE					
-----	Alliance	54.9	9	12.7	11.4	59.4	31
-----	Niobrara	53.7	5	11.9	12.0	59.3	33
-----	Vista	52.8	5	12.1	12.3	59.2	28
-----	Jules	51.8	5	13.3	11.1	58.9	30
-----	Rawhide	50.9	1	13.8	12.8	59.8	32
-----	Redland	50.7	4	13.0	12.3	58.6	33
-----	TAM 200	49.7	4	13.9	12.5	61.5	28

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Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
	3 YEAR AVERAGE (Continued)						
-----	Centura	49.6	5	13.1	12.3	60.4	34
-----	TAM 107	49.3	2	11.4	12.6	59.3	29
-----	Nekota	48.5	4	11.4	12.8	60.2	30
-----	Buckskin	48.5	5	12.2	12.5	60.6	37
-----	Karl 92	48.3	2	12.4	14.1	59.4	28
-----	NE88584	48.2	18	12.3	12.2	59.8	35
-----	Lamar	48.2	12	12.3	12.6	61.4	34
-----	Arapahoe	48.2	9	13.4	13.0	58.8	33
-----	Siouxland	48.1	2	13.4	12.6	59.3	35
-----	Halt	46.6	10	13.2	12.5	59.1	27
AgriPro	Longhorn	45.1	9	11.7	12.7	59.9	32
-----	Scout66	42.3	22	11.7	12.8	60.1	36
-----	Turkey	38.5	32	12.9	13.3	59.6	37
Average all entries		48.7	8	12.6	12.5	59.7	32
Dif. Req. for Sig. 5%		1.0	2	0.1	0.1	0.1	1
25%		0.6	1	0.1	0.1	0.1	1
	4 YEAR AVERAGE						
-----	Alliance	50.6	7	12.9	11.7	59.3	29
-----	Vista	49.4	5	12.3	12.6	59.1	27
-----	TAM 107	46.4	2	11.6	12.7	59.1	27
-----	Rawhide	46.4	2	14.1	13.0	59.6	31
-----	TAM 200	46.1	4	14.1	12.7	61.2	27
-----	Redland	46.0	4	13.2	12.5	58.3	31
-----	Buckskin	46.0	7	12.4	12.7	60.4	35
-----	Nekota	45.9	4	11.8	12.9	60.0	28
-----	Lamar	45.9	10	12.4	12.7	61.1	32
-----	Centura	45.6	5	13.3	12.5	60.3	31
-----	Siouxland	45.1	3	13.7	12.8	59.2	33
-----	Arapahoe	44.5	7	13.7	13.3	58.6	31
-----	Scout66	40.9	18	12.0	12.9	59.8	34
-----	Turkey	37.0	26	13.2	13.4	59.3	36
Average all entries		45.4	7	12.9	12.7	59.7	31
Dif. Req. for Sig. 5%		0.8	2	0.1	0.1	0.1	1
25%		0.5	1	0.1	0.1	0.1	1

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Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		5 YEAR AVERAGE					
-----	Arapahoe	45.1	6	14.3	13.2	58.8	32
-----	Buckskin	45.4	7	13.1	12.6	60.3	36
-----	Centura	44.4	4	14.0	12.6	60.0	32
-----	Lamar	44.6	7	13.0	12.7	61.1	33
-----	Rawhide	45.4	2	14.7	12.8	59.7	31
-----	Redland	45.7	3	13.8	12.4	58.4	32
-----	Scout66	40.6	22	12.6	13.0	59.9	35
-----	Siouxland	44.5	2	14.1	12.7	59.4	34
-----	Turkey	37.0	29	13.9	13.3	59.4	37
-----	TAM 107	45.2	2	12.2	12.6	59.0	28
-----	TAM 200	43.4	3	15.0	12.7	61.0	27
-----	Vista	49.2	4	12.9	12.6	59.1	27
Average all entries		44.2	8	13.6	12.8	59.7	32
Dif. Req. for Sig. 5%		0.8	2	0.1	0.1	0.1	1
25%		0.4	1	0.1	0.1	0.1	1

West District Irrigated Winter Wheat Variety Tests

Brand	Variety	Grain Yield bu/a	Plant Lodging pct	Thousand seed/lb	Grain protein pct	Bushel weight lb/bu	Plant height inches
AgriPro	WX92-0408	123	0	13.81	11.8	63.6	35
AgriPro	WX92-3210	119	0	14.80	11.7	62.9	36
AgriPro	AP 7601	111	0	14.98	11.9	62.2	34
AgriPro	AP 7501	111	0	14.71	11.8	62.3	37
Quantum	XH1520	110	13	13.03	12.0	61.8	39
-----	2163	108	0	14.99	11.8	60.2	36
-----	Rawhide	107	0	16.44	11.6	60.2	41
AgriPro	Ogallala	106	0	15.85	12.2	63.9	34
-----	Karl 92	105	7	12.94	12.4	62.5	35
-----	Yuma	104	12	14.80	11.5	60.8	37
AgriPro	Abilene	102	0	15.66	11.9	63.5	35
AgriPro	Laredo	101	33	12.35	12.5	62.7	35
-----	NE91651	100	52	15.03	11.9	59.6	39
-----	TAM 200	100	23	17.12	11.7	61.6	34
-----	NE91631	99	25	16.03	11.0	58.7	41
-----	Vona	99	8	16.39	11.6	60.9	36
-----	Vista	98	17	13.49	12.2	60.0	35
-----	Halt	98	42	16.62	12.4	59.4	36
AgriPro	Tomahawk	97	27	12.62	12.4	62.1	36
-----	Siouxland	97	30	14.58	12.0	59.1	42
-----	Akron	97	22	15.21	11.5	59.9	38
-----	Colt	96	0	14.53	11.8	62.0	33
-----	NE90524	95	40	15.12	12.2	61.2	43
-----	NE90625	93	48	14.62	11.7	59.9	38
-----	Nekota	93	32	12.08	12.2	61.6	36
-----	Alliance	93	45	15.07	10.9	60.8	37
-----	Redland	92	60	14.85	11.2	59.4	40
-----	TAM 107	92	8	12.40	12.0	60.7	37
-----	Jules	91	28	15.71	10.9	58.0	39
-----	Ike	90	32	13.62	12.6	62.2	39
-----	NE90479	87	48	12.62	13.0	62.1	39
-----	Niobrara	86	57	14.76	11.8	59.6	40
-----	NE91648	83	77	15.35	12.2	59.9	41
-----	Arapahoe	81	63	16.21	12.4	60.2	39
Average of all entries		99	25	14.66	11.9	61.0	37
Dif. req. for sig. 5%		9	15	1.26	0.4	0.9	1
	25%	5	9	0.72	0.3	0.5	1

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Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		2 YEAR AVERAGE					
-----	Rawhide	96.0	1	16.8	13.0	59.8	38
-----	Karl 92	95.5	5	14.6	13.7	60.8	33
-----	Yuma	95.5	7	16.3	12.8	59.6	35
AgriPro	Laredo	93.0	20	14.0	13.0	60.9	33
AgriPro	Abilene	93.0	1	17.0	13.1	61.6	33
-----	TAM 200	90.5	13	17.5	12.6	61.6	32
-----	Vona	90.0	5	17.5	12.7	59.8	34
-----	Colt	89.5	0	15.0	13.1	60.5	31
-----	Halt	89.5	22	15.6	13.4	58.1	34
-----	2163	89.0	0	15.1	12.5	58.7	32
-----	NE90625	87.5	25	15.4	12.7	58.8	34
-----	Vista	87.5	11	14.6	12.8	58.7	33
-----	Siouxland	87.0	16	15.2	13.1	59.3	40
-----	Redland	87.0	31	15.5	12.2	58.6	38
-----	TAM 107	87.0	5	14.0	12.8	59.7	34
-----	Nekota	85.5	19	13.8	13.2	60.4	35
-----	NE90524	84.5	23	16.8	13.2	60.5	40
-----	Ike	84.5	18	14.6	13.7	60.4	37
-----	Alliance	83.0	26	16.8	12.3	58.9	35
-----	Arapahoe	81.0	32	16.0	13.3	59.6	37
-----	NE90479	81.0	26	13.8	13.9	61.2	37
-----	Niobrara	80.0	31	15.3	12.7	58.3	38
Average all entries		88.0	15	15.5	13.0	59.8	35
Dif. Req. for Sig. 5%		NS	NS	0.9	0.3	0.7	1
25%		2.4	NS	0.5	0.2	0.4	1
		3 YEAR AVERAGE					
-----	Yuma	75.3	7	15.8	12.9	59.1	30
-----	Rawhide	74.0	1	16.9	13.1	59.3	33
AgriPro	Abilene	73.7	1	17.0	13.3	61.0	29
-----	TAM 200	73.0	13	17.4	12.7	60.4	29
-----	Vista	71.3	11	14.5	12.8	58.2	29
-----	Colt	71.3	0	15.2	13.1	59.8	28
AgriPro	Laredo	71.0	20	13.7	13.3	59.9	29
-----	Nekota	71.0	19	13.8	12.9	60.2	31
-----	Redland	70.0	31	15.6	12.4	58.3	34
-----	2163	70.0	0	15.0	12.8	58.2	29

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Brand	Variety	Grain yield bu/a	Plant lodging pct	Seed weight /000 k	Grain protein pct	Bushel weight lb/bu	Plant height inches
		3 YEAR AVERAGE (CONTINUED)					
-----	Siouxland	69.0	16	15.2	13.1	58.8	36
-----	TAM 107	68.0	5	14.1	13.0	58.8	30
-----	Alliance	66.7	26	16.3	12.5	58.8	31
-----	Arapahoe	66.3	32	16.1	13.3	58.5	34
Average all entries		70.8	13	15.5	13.0	59.3	31
Dif. Req. for Sig. 5%		NS	NS	0.5	NS	0.6	1
25%		NS	NS	0.3	0.2	0.4	1
		4 YEAR AVERAGE					
-----	Rawhide	69.3	1	17.1	13.1	59.8	33
-----	Vista	69.0	11	14.8	12.7	58.9	29
AgriPro	Abilene	68.8	1	17.6	13.3	61.2	29
-----	2163	67.3	0	15.5	12.7	58.4	29
-----	TAM 200	67.3	13	18.3	12.8	60.7	29
-----	Colt	66.3	0	15.6	13.0	59.9	29
-----	Redland	65.8	31	15.9	12.3	58.5	34
-----	Arapahoe	65.0	32	16.2	13.2	59.0	34
-----	Siouxland	64.8	16	15.6	13.0	59.2	37
-----	TAM 107	63.5	5	14.6	12.8	58.9	30
Average all entries		66.7	11	16.1	12.9	59.4	31
Dif. Req. for Sig. 5%		NS	NS	0.4	0.2	0.5	1
25%		NS	NS	0.2	0.1	0.3	1
		5 YEAR AVERAGE					
AgriPro	Abilene	67.1	8	18.8	13.6	60.1	30
-----	Rawhide	65.7	27	18.2	13.3	58.6	34
-----	2163	65.3	10	16.8	12.9	57.0	30
-----	TAM 200	65.1	41	19.6	13.0	59.5	29
-----	Colt	64.1	14	16.7	13.1	58.6	29
-----	Arapahoe	63.0	53	17.5	13.4	57.8	35
-----	Redland	62.7	50	17.3	12.5	56.9	35
-----	TAM 107	61.9	10	15.6	13.0	57.7	31
-----	Siouxland	61.8	38	17.1	13.2	57.9	37
Average all entries		64.1	28	17.5	13.1	58.2	32
Dif. Req. for Sig. 5%		NS	10	0.4	0.1	0.4	1
25%		NS	6	0.2	0.1	0.2	1

Yield in bu/a of wheat varieties at all locations in Nebraska.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Ave.
-----	Akron	.	.	28.1	.	.	56.0	62.8	43.8	46.6	61.0	52.8	56.8	80.8	85.6	53.0	57.8	96.8	60.1
-----	Alliance	36.5	44.8	39.4	45.0	35.8	63.2	66.4	44.8	48.6	59.8	48.3	57.7	67.7	83.6	46.3	61.5	92.7	55.4
-----	Arapahoe	44.0	44.5	38.7	46.7	36.5	57.2	58.2	42.8	46.2	59.8	47.2	51.5	62.2	80.3	44.5	54.0	81.2	52.7
-----	Buckskin	.	.	.	.	.	.	.	.	.	.	50.7	55.5	60.3	75.3	42.0	56.3	.	56.7
-----	Centura	.	.	30.5	44.0	34.8	60.8	45.8	28.8	42.8	50.5	48.2	55.2	72.6	78.4	48.3	54.4	.	49.7
-----	Colt	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	95.6	95.6
-----	Halt	.	.	26.6	.	.	59.4	69.0	31.6	49.8	59.3	52.8	60.3	81.5	82.0	46.5	59.5	97.5	59.7
-----	Ike	31.8	38.5	37.6	38.3	39.5	52.2	59.4	38.0	57.2	57.3	38.3	46.8	72.5	82.9	30.8	51.0	90.0	50.7
-----	Jagger	33.0	48.8	42.3	43.7	61.5	59.8	72.6	55.0	69.8	74.5	40.4	48.3	88.3	91.5	44.3	58.0	.	58.2
-----	Jules	.	.	29.0	.	.	61.6	57.0	38.2	41.4	43.0	50.7	58.2	65.2	72.1	52.0	57.0	90.7	55.1
-----	Karl 92	32.8	42.3	37.9	47.7	48.8	56.0	66.0	47.8	61.2	61.3	45.2	45.3	79.3	74.9	40.3	51.7	105.2	55.5
-----	Lamar	.	.	27.9	.	.	57.2	51.8	35.6	48.6	43.0	50.0	52.0	53.4	82.0	43.2	54.8	.	50.0
-----	Nekota	.	.	34.5	.	.	.	.	.	.	.	39.3	48.3	73.0	79.6	42.3	48.7	93.0	57.3
-----	Niobrara	32.3	41.8	42.6	26.3	32.3	58.0	70.6	49.8	56.4	58.3	51.7	54.7	70.5	77.0	46.7	56.7	85.5	53.6
-----	NE88584	35.8	36.3	30.5	42.7	37.5	54.6	43.8	27.8	37.2	50.0	48.2	52.3	49.7	81.9	45.5	54.3	.	45.5
-----	NE90476	34.5	43.5	.	35.7	39.5	53.6	60.8	38.8	50.8	57.3	.	.	.	.	.	.	.	46.1
-----	NE90479	24.5	36.0	29.1	36.7	32.0	39.0	46.6	40.2	50.0	50.0	34.8	37.8	65.5	70.4	30.5	46.7	86.8	44.5
-----	NE90524	27.3	33.3	29.1	28.0	24.3	52.2	68.4	37.0	50.8	55.5	53.5	47.8	63.7	76.4	41.0	55.8	94.5	49.3
-----	NE90625	44.5	37.5	38.4	51.0	36.5	58.4	58.4	41.6	47.8	53.3	52.8	58.3	77.0	82.0	51.5	56.8	92.8	55.2
-----	NE91631	52.3	51.3	43.0	62.5	39.0	51.8	65.4	40.6	55.2	55.0	52.2	56.7	70.8	83.6	51.5	55.6	99.3	58.0
-----	NE91648	45.0	42.8	43.0	41.3	35.8	50.6	58.8	38.8	46.0	59.5	51.5	50.3	62.8	81.8	47.2	60.5	82.7	52.8
-----	NE91651	27.0	36.0	31.4	34.0	30.0	54.0	65.0	41.0	58.0	62.0	44.8	48.3	79.3	75.9	48.2	57.5	99.6	52.5
-----	Rawhide	26.0	35.3	27.0	25.3	27.3	50.0	65.6	39.8	54.2	51.5	44.0	55.8	86.8	82.8	47.8	49.8	107.2	51.5
-----	Redland	42.5	43.0	40.0	40.5	35.5	51.4	68.8	48.2	55.6	53.8	52.5	47.8	75.8	85.5	40.2	54.0	91.7	54.5
-----	Scout66	31.3	21.3	22.5	35.0	23.7	45.4	38.0	19.6	28.2	33.8	46.2	46.3	35.0	33.0	35.0	46.2	.	33.8
-----	Siouxland	35.0	31.0	22.9	45.5	33.8	49.6	49.2	35.2	35.2	45.3	47.2	50.0	73.0	81.8	46.7	47.7	97.2	48.6
-----	Turkey	35.8	20.3	22.0	33.7	25.0	44.6	33.8	16.6	19.8	34.5	42.8	45.7	36.0	34.8	38.3	41.0	.	32.8
-----	TAM 107	.	.	30.9	.	.	56.8	61.4	57.0	63.8	55.5	39.2	46.2	81.5	72.9	28.5	56.5	91.8	57.1
-----	TAM 200	23.3	40.0	31.0	41.7	43.3	63.4	75.2	54.0	63.4	64.3	48.7	56.3	78.2	79.4	52.5	45.5	100.3	56.5
-----	Vista	42.3	46.5	40.1	57.3	47.3	63.8	67.2	56.4	56.4	55.5	49.7	52.8	75.8	79.5	48.2	49.5	97.7	58.0
-----	Vona	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	99.3	99.3
-----	Yuma	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	103.5	103.5
-----	2163	31.8	34.3	.	40.3	32.0	61.4	76.4	50.0	63.2	73.3	.	.	.	.	.	.	107.6	57.0
AgriPro	Abilene	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	102.3	102.3
AgriPro	AP 7501	.	.	.	.	.	57.0	75.0	56.8	79.6	66.0	.	.	.	.	.	.	110.5	74.2
AgriPro	AP 7601	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	111.2	111.2
AgriPro	Laredo	.	.	.	29.3	23.5	55.2	63.6	28.8	62.6	64.0	.	.	.	.	.	.	101.3	53.5
AgriPro	Longhorn	.	.	28.4	.	.	54.4	59.4	31.4	62.4	58.5	45.3	41.5	57.7	78.3	38.5	48.7	.	50.4
AgriPro	Ogallala	.	.	41.4	.	.	53.6	70.0	60.0	68.2	71.0	46.7	51.8	77.2	87.6	47.3	54.3	106.0	64.2
AgriPro	Ponderosa	.	.	.	.	.	49.6	60.6	42.4	62.8	57.5	.	.	.	.	.	.	.	54.6
AgriPro	Thunderbird	34.5	.	26.6	.	.	.	.	.	.	.	42.5	48.0	69.2	70.4	41.5	48.3	.	47.6
AgriPro	Tomahawk	.	.	.	31.0	27.5	53.8	70.8	30.4	66.4	67.3	.	.	.	.	.	.	97.2	55.6
AgriPro	WX92-0408	.	.	.	.	.	64.0	93.0	73.0	80.0	76.0	.	.	.	.	.	.	122.8	84.8
AgriPro	WX92-3210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	119.2	119.2
Quantum	566	.	.	33.5	49.0	41.3	57.0	54.0	28.4	55.4	56.8	54.3	55.0	62.0	76.6	52.0	61.7	.	52.6
Quantum	XH1520	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	110.0	110.0

1=Saline, 2=Saunders, 3= Saunders, 4=Clay, 5=Nuckolls, 6=Perkins, 7=Hitchcock, 8=Furnas, 9=Custer, 10=Lincoln
11=Kimball, 12=Scotts Bluff, 13=Dawes. 14=Box Butte, 15=Banner, 16=Cheyenne Ecofallow, 17=Cheyenne Irrigated

Yield as % of Arapahoe, Redland and Siouxland at all locations in Nebraska.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Ave.
-----	Akron	.	.	83.0	.	.	106.2	106.9	104.1	102.0	115.2	107.8	114.1	114.9	103.7	121.0	111.4	107.5	107.5
-----	Alliance	90.1	113.4	116.3	101.7	101.5	119.8	113.1	106.5	106.4	112.9	98.6	115.9	96.3	101.3	105.7	118.5	103.0	107.1
-----	Arapahoe	108.6	112.7	114.3	105.6	103.5	108.5	99.1	101.7	101.2	112.9	96.4	103.5	88.4	97.3	101.6	104.0	90.2	102.9
-----	Buckskin	.	.	.	.	.	.	.	.	.	.	103.5	111.5	85.7	91.2	95.9	108.5	.	99.4
-----	Centura	.	.	90.1	99.5	98.7	115.3	78.0	68.5	93.7	95.3	98.4	110.9	103.2	95.0	110.3	104.8	.	97.3
-----	Colt	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0	106.2	106.2
-----	Halt	.	.	78.5	.	.	112.6	117.5	75.1	109.1	112.0	107.8	121.2	115.9	99.4	106.2	114.6	108.3	106.0
-----	Ike	78.5	97.5	111.0	86.6	112.0	99.0	101.1	90.3	125.3	108.2	78.2	94.0	103.1	100.4	70.3	98.3	100.0	97.3
-----	Jagger	81.5	123.5	124.9	98.8	174.4	113.4	123.6	130.7	152.8	140.7	82.5	97.1	125.5	110.9	101.1	111.8	.	118.3
-----	Jules	.	.	85.6	.	.	116.8	97.0	90.8	90.7	81.2	103.5	116.9	92.7	87.4	118.7	109.8	100.7	99.4
-----	Karl 92	81.0	107.1	111.9	107.8	138.4	106.2	112.4	113.6	134.0	115.7	92.3	91.0	112.7	90.8	92.0	99.6	116.8	107.3
-----	Lamar	.	.	82.4	.	.	108.5	88.2	84.6	106.4	81.2	102.1	104.5	75.9	99.4	98.6	105.6	.	94.8
-----	Nekota	.	.	101.9	.	.	.	.	.	.	.	80.3	97.1	103.8	96.4	96.6	93.8	103.3	96.6
-----	Niobrara	79.8	105.8	125.8	59.5	91.6	110.0	120.2	118.4	123.5	110.1	105.6	109.9	100.2	93.3	106.6	109.2	95.0	103.8
-----	NE88584	88.4	91.9	90.1	96.5	106.3	103.5	74.6	66.1	81.5	94.4	98.4	105.1	70.7	99.2	103.9	104.6	.	92.2
-----	NE90476	85.2	110.1	.	80.7	112.0	101.6	103.5	92.2	111.2	108.2	.	.	.	.	.	.	.	100.5
-----	NE90479	60.5	91.1	85.9	83.0	90.7	74.0	79.3	95.6	109.5	94.4	71.1	76.0	93.1	85.3	69.6	90.0	96.4	85.0
-----	NE90524	67.4	84.3	85.9	63.3	68.9	99.0	116.5	88.0	111.2	104.8	109.3	96.0	90.6	92.6	93.6	107.5	105.0	93.2
-----	NE90625	109.9	94.9	113.4	115.3	103.5	110.7	99.4	98.9	104.7	100.6	107.8	117.1	109.5	99.4	117.6	109.4	103.1	106.8
-----	NE91631	129.1	129.9	127.0	141.3	110.6	98.2	111.4	96.5	120.9	103.8	106.6	113.9	100.7	101.3	117.6	107.1	110.3	113.3
-----	NE91648	111.1	108.4	127.0	93.4	101.5	96.0	100.1	92.2	100.7	112.3	105.2	101.1	89.3	99.1	107.8	116.6	91.9	103.1
-----	NE91651	66.7	91.1	92.7	76.9	85.1	102.4	110.7	97.5	127.0	117.1	91.5	97.1	112.7	92.0	110.0	110.8	110.6	99.5
-----	Rawhide	64.2	89.4	79.7	57.2	77.4	94.8	111.7	94.6	118.7	97.2	89.9	112.1	123.4	100.3	109.1	96.0	119.1	96.2
-----	Redland	104.9	108.9	118.1	91.6	100.7	97.5	117.1	114.6	121.8	101.6	107.2	96.0	107.8	103.6	91.8	104.0	101.9	105.2
-----	Scout66	77.3	53.9	66.4	79.1	67.2	86.1	64.7	46.6	61.8	63.8	94.3	93.0	49.8	40.0	79.9	89.0	.	69.6
-----	Siouxland	86.4	78.5	67.6	102.9	95.8	94.1	83.8	83.7	77.1	85.5	96.4	100.5	103.8	99.1	106.6	91.9	108.0	91.9
-----	Turkey	88.4	51.4	65.0	76.2	70.9	84.6	57.5	39.5	43.4	65.1	87.4	91.8	51.2	42.2	87.4	79.0	.	67.6
-----	TAM 107	.	.	91.2	.	.	107.7	104.5	135.5	139.7	104.8	80.1	92.8	115.9	88.3	65.1	108.9	102.0	102.8
-----	TAM 200	57.5	101.3	91.5	94.3	122.8	120.2	128.0	128.4	138.8	121.4	99.5	113.1	111.2	96.2	119.9	87.7	111.4	108.4
-----	Vista	104.4	117.7	118.4	129.5	134.1	121.0	114.4	134.1	123.5	104.8	101.5	106.1	107.8	96.3	110.0	95.4	108.5	113.4
-----	Vona	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	110.3	110.3
-----	Yuma	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	115.0	115.0
-----	2163	78.5	86.8	.	91.1	90.7	116.4	130.1	118.9	138.4	138.4	.	.	.	.	.	.	119.5	110.9
AgriPro	Abilene	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	113.6	113.6
AgriPro	AP 7501	.	.	.	.	.	108.1	127.7	135.0	174.3	124.6	.	.	.	.	.	.	122.7	132.1
AgriPro	AP 7601	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	123.5	123.5
AgriPro	Laredo	.	.	.	66.2	66.6	104.7	108.3	68.5	137.1	120.8	.	.	.	.	.	.	112.5	98.1
AgriPro	Longhorn	.	.	83.9	.	.	103.2	101.1	74.6	136.6	110.4	92.5	83.4	82.0	94.9	87.9	93.8	.	95.4
AgriPro	Ogallala	.	.	122.2	.	.	101.6	119.2	142.6	149.3	134.0	95.4	104.1	109.8	106.1	108.0	104.6	117.7	116.5
AgriPro	Ponderosa	.	.	.	.	.	94.1	103.2	100.8	137.5	108.6	.	.	.	.	.	.	.	108.8
AgriPro	Thunderbird	85.2	.	78.5	.	.	.	.	.	.	.	86.8	96.5	98.4	85.3	94.7	93.1	.	89.8
AgriPro	Tomahawk	.	.	.	70.1	78.0	102.0	120.5	72.3	145.4	127.1	.	.	.	.	.	.	108.0	102.9
AgriPro	WX92-0408	.	.	.	.	.	121.4	158.3	173.5	175.2	143.5	.	.	.	.	.	.	136.4	151.4
AgriPro	WX92-3210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	132.4	132.4
Quantum	566	.	.	98.9	110.8	117.1	108.1	91.9	67.5	121.3	107.2	110.9	110.5	88.2	92.8	118.7	118.9	.	104.5
Quantum	XH1520	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	122.2	122.2

1=Saline, 2=Saunders, 3= Saunders, 4=Clay, 5=Nuckolls, 6=Perkins, 7=Hitchcock, 8=Furnas, 9=Custer, 10=Lincoln
11=Kimball, 12=Scotts Bluff, 13=Dawes. 14=Box Butte, 15=Banner, 16=Cheyenne Ecofallow, 17=Cheyenne Irrigated

Bushel Weights of Winter wheat varieties at locations in Nebraska

Brand	Variety	1	2	3	4	5	6	7	8	9	10	11	12
-----	Akron	.	.	.	.	57.1	59.1	57.1	61.6	58.2	61.3	59.6	59.9
-----	Alliance	56.5	55.7	58.8	56.9	56.0	59.7	56.2	62.1	57.1	61.1	59.5	60.8
-----	Arapahoe	59.4	57.0	59.6	58.0	57.0	61.8	55.7	61.1	57.3	60.7	59.1	60.2
-----	Buckskin	.	.	.	.	.	.	.	62.4	58.9	61.9	60.5	.
-----	Centura	.	.	60.7	58.5	57.4	60.3	56.9	62.3	57.8	62.6	61.0	.
-----	Colt	.	.	.	.	.	.	.	.	.	.	.	62.0
-----	Halt	.	.	.	.	56.7	57.8	54.7	61.5	56.7	60.5	59.2	59.4
-----	Ike	58.5	55.7	60.1	58.8	57.6	60.4	57.5	62.2	59.2	60.9	60.6	62.2
-----	Jagger	57.7	51.9	60.4	58.4	58.0	60.7	57.9	63.1	58.9	62.1	60.6	.
-----	Jules	.	.	.	.	54.1	58.9	54.0	61.3	55.1	61.0	58.7	58.0
-----	Karl 92	60.0	56.5	60.7	59.4	59.1	63.5	59.0	63.3	59.7	62.8	60.4	62.5
-----	Lamar	.	.	.	.	59.2	60.3	59.2	63.7	59.4	63.4	61.5	.
-----	Nekota	.	.	.	.	.	.	.	63.3	58.8	62.7	60.6	61.6
-----	Niobrara	54.4	53.8	55.9	55.2	56.0	58.7	56.2	61.2	56.8	60.2	59.1	59.6
-----	NE88584	58.9	58.7	61.2	59.6	57.6	59.6	56.4	62.1	58.3	61.7	59.6	.
-----	NE90476	55.3	55.1	57.8	56.9	55.1	60.4	55.7	.	.	.	.	.
-----	NE90479	58.6	58.7	60.5	60.0	57.5	61.2	59.1	62.9	60.6	62.0	60.5	62.1
-----	NE90524	53.4	55.7	59.3	56.8	57.6	60.9	57.3	61.6	57.6	60.7	59.3	61.2
-----	NE90625	59.1	58.4	59.4	56.4	58.2	58.5	54.0	62.3	56.7	62.0	58.5	59.9
-----	NE91631	59.0	58.2	56.3	57.3	57.0	58.8	56.4	61.2	56.4	60.8	59.3	58.7
-----	NE91648	60.6	57.8	61.2	59.1	59.1	61.6	56.9	62.0	56.7	62.5	60.1	59.9
-----	NE91651	54.5	51.8	57.7	55.4	57.1	57.5	56.2	61.5	56.4	62.0	59.1	59.6
-----	N93L058	.	.	.	.	.	.	.	.	.	.	.	.
-----	Rawhide	57.1	55.7	59.5	56.6	58.5	61.8	57.2	62.9	58.8	62.3	58.7	60.2
-----	Redland	58.1	54.7	58.6	56.8	54.4	60.4	57.0	60.8	56.9	60.5	58.7	59.4
-----	Scout66	59.3	56.5	59.0	58.1	56.1	56.2	55.2	62.6	56.5	61.4	59.9	.
-----	Siouxland	59.2	56.7	59.9	59.8	55.5	59.9	55.0	62.5	57.0	61.9	59.2	59.1
-----	Turkey	53.8	58.2	60.9	59.3	56.4	58.9	52.7	63.1	58.0	62.3	60.0	.
-----	TAM 107	.	.	.	.	57.5	60.8	58.3	61.2	59.1	61.0	60.2	60.7
-----	TAM 200	57.7	58.9	59.0	60.1	59.1	61.4	58.7	64.2	59.7	63.9	61.3	61.6
-----	Vista	57.7	55.5	58.1	57.2	56.4	59.1	55.8	61.3	57.5	61.2	59.0	60.0
-----	Vona	.	.	.	.	.	.	.	.	.	.	.	60.9
-----	Yuma	.	.	.	.	.	.	.	.	.	.	.	60.8
-----	2163	55.5	48.6	59.0	56.4	56.9	60.5	57.1	.	.	.	.	60.2
------	Gage	59.5	.	.	.	.	.	.	.	.	.	.	.
AgriPro	Abilene	.	.	.	.	.	.	.	.	.	.	.	63.5
AgriPro	AP 7501	.	.	.	.	57.8	60.4	59.2	.	.	.	.	62.3
AgriPro	AP 7601	.	.	.	.	.	.	.	.	.	.	.	62.2
AgriPro	Laredo	.	.	56.8	56.0	59.2	59.0	58.5	.	.	.	.	62.7
AgriPro	Longhorn	.	.	.	.	58.6	59.7	60.0	61.6	57.7	62.2	60.1	.
AgriPro	Ogallala	.	.	.	.	60.3	63.5	59.5	63.9	60.4	64.1	62.2	63.9
AgriPro	Ponderosa	.	.	.	.	59.7	59.7	59.5	.	.	.	.	.
AgriPro	Thunderbird	59.5	.	.	.	.	.	.	63.4	59.1	63.0	60.7	.
AgriPro	Tomahawk	.	.	56.3	55.3	56.7	59.0	58.0	.	.	.	.	62.1
AgriPro	WX92-0408	.	.	.	.	58.0	63.3	59.4	.	.	.	.	63.6
AgriPro	WX92-3210	.	.	.	.	.	.	.	.	.	.	.	62.9
Quantum	QT 566	.	.	57.4	58.0	55.7	57.7	56.7	62.0	57.8	61.7	59.9	.
Quantum	XH1520	.	.	.	.	.	.	.	.	.	.	.	61.8

1=Saline, 2=Saunders, 3=Clay, 4=Nuckolls, 5=Hitchcock, 6=Furnas, 7=Custer,
8=Scotts Bluff, 9= Dawes, 10=Banner, 11=Cheyenne Ecofallow, 12=Cheyenne Irrigated.

Bushel Weights of Winter wheat varieties at locations in Nebraska

Brand	Variety	1	2	3	4	5	6	7	8	9	10	11	12
-----	Akron	.	.	.	.	57.1	59.1	57.1	61.6	58.2	61.3	59.6	59.9
-----	Alliance	56.5	55.7	58.8	56.9	56.0	59.7	56.2	62.1	57.1	61.1	59.5	60.8
-----	Arapahoe	59.4	57.0	59.6	58.0	57.0	61.8	55.7	61.1	57.3	60.7	59.1	60.2
-----	Buckskin	.	.	.	.	.	.	.	62.4	58.9	61.9	60.5	.
-----	Centura	.	.	60.7	58.5	57.4	60.3	56.9	62.3	57.8	62.6	61.0	.
-----	Colt	.	.	.	.	.	.	.	.	.	.	.	62.0
-----	Halt	.	.	.	.	56.7	57.8	54.7	61.5	56.7	60.5	59.2	59.4
-----	Ike	58.5	55.7	60.1	58.8	57.6	60.4	57.5	62.2	59.2	60.9	60.6	62.2
-----	Jagger	57.7	51.9	60.4	58.4	58.0	60.7	57.9	63.1	58.9	62.1	60.6	.
-----	Jules	.	.	.	.	54.1	58.9	54.0	61.3	55.1	61.0	58.7	58.0
-----	Karl 92	60.0	56.5	60.7	59.4	59.1	63.5	59.0	63.3	59.7	62.8	60.4	62.5
-----	Lamar	.	.	.	.	59.2	60.3	59.2	63.7	59.4	63.4	61.5	.
-----	Nekota	.	.	.	.	.	.	.	63.3	58.8	62.7	60.6	61.6
-----	Niobrara	54.4	53.8	55.9	55.2	56.0	58.7	56.2	61.2	56.8	60.2	59.1	59.6
-----	NE88584	58.9	58.7	61.2	59.6	57.6	59.6	56.4	62.1	58.3	61.7	59.6	.
-----	NE90476	55.3	55.1	57.8	56.9	55.1	60.4	55.7	.	.	.	.	.
-----	NE90479	58.6	58.7	60.5	60.0	57.5	61.2	59.1	62.9	60.6	62.0	60.5	62.1
-----	NE90524	53.4	55.7	59.3	56.8	57.6	60.9	57.3	61.6	57.6	60.7	59.3	61.2
-----	NE90625	59.1	58.4	59.4	56.4	58.2	58.5	54.0	62.3	56.7	62.0	58.5	59.9
-----	NE91631	59.0	58.2	56.3	57.3	57.0	58.8	56.4	61.2	56.4	60.8	59.3	58.7
-----	NE91648	60.6	57.8	61.2	59.1	59.1	61.6	56.9	62.0	56.7	62.5	60.1	59.9
-----	NE91651	54.5	51.8	57.7	55.4	57.1	57.5	56.2	61.5	56.4	62.0	59.1	59.6
-----	N93L058	.	.	.	.	.	.	.	.	.	.	.	.
-----	Rawhide	57.1	55.7	59.5	56.6	58.5	61.8	57.2	62.9	58.8	62.3	58.7	60.2
-----	Redland	58.1	54.7	58.6	56.8	54.4	60.4	57.0	60.8	56.9	60.5	58.7	59.4
-----	Scout66	59.3	56.5	59.0	58.1	56.1	56.2	55.2	62.6	56.5	61.4	59.9	.
-----	Siouxland	59.2	56.7	59.9	59.8	55.5	59.9	55.0	62.5	57.0	61.9	59.2	59.1
-----	Turkey	53.8	58.2	60.9	59.3	56.4	58.9	52.7	63.1	58.0	62.3	60.0	.
-----	TAM 107	.	.	.	.	57.5	60.8	58.3	61.2	59.1	61.0	60.2	60.7
-----	TAM 200	57.7	58.9	59.0	60.1	59.1	61.4	58.7	64.2	59.7	63.9	61.3	61.6
-----	Vista	57.7	55.5	58.1	57.2	56.4	59.1	55.8	61.3	57.5	61.2	59.0	60.0
-----	Vona	.	.	.	.	.	.	.	.	.	.	.	60.9
-----	Yuma	.	.	.	.	.	.	.	.	.	.	.	60.8
-----	2163	55.5	48.6	59.0	56.4	56.9	60.5	57.1	.	.	.	.	60.2
------	Gage	59.5	.	.	.	.	.	.	.	.	.	.	.
AgriPro	Abilene	.	.	.	.	.	.	.	.	.	.	.	63.5
AgriPro	AP 7501	.	.	.	.	57.8	60.4	59.2	.	.	.	.	62.3
AgriPro	AP 7601	.	.	.	.	.	.	.	.	.	.	.	62.2
AgriPro	Laredo	.	.	56.8	56.0	59.2	59.0	58.5	.	.	.	.	62.7
AgriPro	Longhorn	.	.	.	.	58.6	59.7	60.0	61.6	57.7	62.2	60.1	.
AgriPro	Ogallala	.	.	.	.	60.3	63.5	59.5	63.9	60.4	64.1	62.2	63.9
AgriPro	Ponderosa	.	.	.	.	59.7	59.7	59.5	.	.	.	.	.
AgriPro	Thunderbird	59.5	.	.	.	.	.	.	63.4	59.1	63.0	60.7	.
AgriPro	Tomahawk	.	.	56.3	55.3	56.7	59.0	58.0	.	.	.	.	62.1
AgriPro	WX92-0408	.	.	.	.	58.0	63.3	59.4	.	.	.	.	63.6
AgriPro	WX92-3210	.	.	.	.	.	.	.	.	.	.	.	62.9
Quantum	QT 566	.	.	57.4	58.0	55.7	57.7	56.7	62.0	57.8	61.7	59.9	.
Quantum	XH1520	.	.	.	.	.	.	.	.	.	.	.	61.8

1=Saline, 2=Saunders, 3=Clay, 4=Nuckolls, 5=Hitchcock, 6=Furnas, 7=Custer,
8=Scotts Bluff, 9= Dawes, 10=Banner, 11=Cheyenne Ecofallow, 12=Cheyenne Irrigated.

Protein content of winter wheat varieties at all locations

		1	2	3	4	5	6	7	8	9	10	11	12
-----	Akron	.	.	.	.	12.1	15.0	14.2	9.7	11.5	8.9	9.2	11.5
-----	Alliance	13.3	15.1	10.6	12.6	12.1	14.2	14.3	9.7	12.1	9.2	9.6	10.9
-----	Arapahoe	13.7	15.7	11.1	13.3	13.3	15.7	14.9	10.6	12.5	10.0	10.7	12.4
-----	Buckskin	.	.	.	.	.	.	.	11.0	13.0	10.2	11.0	.
-----	Centura	.	.	11.3	13.1	13.9	15.7	15.0	9.7	12.7	9.7	11.3	.
-----	Colt	.	.	.	.	.	.	.	.	.	.	.	11.8
-----	Halt	.	.	.	.	13.3	16.4	14.8	11.2	12.2	9.1	9.4	12.4
-----	Ike	15.4	16.1	11.8	13.5	14.3	15.8	15.1	12.3	13.1	12.6	11.6	12.6
-----	Jagger	16.2	16.5	11.8	14.3	12.5	16.0	14.7	10.9	12.3	9.8	10.8	.
-----	Jules	.	.	.	.	12.7	14.5	13.7	9.5	12.3	8.0	8.6	10.9
-----	Karl 92	15.2	15.9	11.8	14.3	13.6	15.5	14.8	11.9	13.5	11.7	10.9	12.4
-----	Lamar	.	.	.	.	14.3	15.8	14.5	11.0	12.7	9.2	10.5	.
-----	Nekota	.	.	.	.	.	.	.	11.0	13.5	11.4	10.4	12.2
-----	Niobrara	13.6	15.5	11.4	13.0	12.6	15.5	14.0	10.6	12.3	9.7	9.9	11.8
-----	NE88584	16.3	16.7	11.1	14.3	13.6	15.6	14.9	9.8	12.6	9.6	10.4	.
-----	NE90476	13.6	15.2	11.5	12.8	13.9	15.5	14.6	.	.	.	.	.
-----	NE90479	15.2	16.5	11.4	14.1	15.3	15.8	15.8	11.8	13.2	12.6	12.0	13.0
-----	NE90524	14.5	16.3	11.7	13.2	13.0	14.5	14.4	9.4	11.3	9.4	9.6	12.2
-----	NE90625	13.7	15.3	11.0	12.9	12.6	15.1	14.4	9.2	11.2	9.0	9.6	11.7
-----	NE91631	13.0	14.9	11.0	12.5	12.0	15.4	13.6	9.2	11.0	9.2	10.3	11.0
-----	NE91648	13.7	15.8	11.0	13.0	13.4	14.3	14.6	10.6	11.7	9.6	10.6	12.2
-----	NE91651	15.7	15.9	11.8	13.6	13.1	15.6	14.7	9.8	12.4	9.9	10.1	11.9
-----	N93L058	.	.	.	.	.	.	.	.	.	.	.	.
-----	Rawhide	15.1	16.0	12.3	13.6	12.7	15.3	14.2	10.9	12.6	9.8	12.0	11.6
-----	Redland	13.8	15.2	10.8	12.9	13.3	14.9	13.7	10.9	11.6	9.5	9.7	11.2
-----	Scout66	14.3	16.9	.	14.4	14.0	15.5	14.9	10.5	14.0	10.1	10.5	.
-----	Siouxland	14.4	15.8	11.9	13.1	13.2	14.8	14.1	11.3	13.1	9.4	10.8	12.0
-----	Turkey	15.1	16.5	11.7	14.6	14.0	15.8	15.6	10.9	14.5	10.1	10.8	.
-----	TAM 107	.	.	.	.	14.1	16.3	14.7	11.2	12.8	11.9	10.6	12.0
-----	TAM 200	14.9	16.1	11.8	13.0	13.4	14.8	13.9	10.0	11.7	8.8	10.4	11.7
-----	Vista	13.4	15.8	11.0	13.3	13.2	15.2	14.6	10.9	13.1	10.2	10.6	12.2
-----	Vona	.	.	.	.	.	.	.	.	.	.	.	11.6
-----	Yuma	.	.	.	.	.	.	.	.	.	.	.	11.5
-----	2163	14.9	15.5	11.1	13.4	12.2	14.6	13.5	.	.	.	.	11.8
------	Gage	13.9	.	.	.	.	.	.	.	.	.	.	.
AgriPro	Abilene	.	.	.	.	.	.	.	.	.	.	.	11.9
AgriPro	AP 7501	.	.	.	.	12.9	15.1	13.9	.	.	.	.	11.8
AgriPro	AP 7601	.	.	.	.	.	.	.	.	.	.	.	11.9
AgriPro	Laredo	.	.	11.9	14.2	13.2	16.2	14.9	.	.	.	.	12.5
AgriPro	Longhorn	.	.	.	.	13.3	15.4	14.3	11.1	12.4	9.7	10.7	.
AgriPro	Ogallala	.	.	.	.	13.2	15.3	15.1	10.9	11.9	10.2	11.2	12.2
AgriPro	Ponderosa	.	.	.	.	13.7	16.0	14.7	.	.	.	.	.
AgriPro	Thunderbird	15.0	.	.	.	.	.	.	11.0	12.7	9.5	11.3	.
AgriPro	Tomahawk	.	.	11.7	13.8	13.0	16.5	14.3	.	.	.	.	12.4
AgriPro	WX92-0408	.	.	.	.	13.1	14.2	14.0	.	.	.	.	11.8
AgriPro	WX92-3210	.	.	.	.	.	.	.	.	.	.	.	11.7
Quantum	QT 566	.	.	11.6	13.0	13.1	15.5	14.5	10.1	12.1	9.4	10.5	.
Quantum	XH1520	.	.	.	.	.	.	.	.	.	.	.	12.0

1=Saline, 2=Saunders, 3=Clay, 4=Nuckolls, 5=Hitchcock, 6=Furnas, 7=Custer
8=Scotts Bluff, 9=Dawes, 10=Banner, 11=Cheyenne Ecofallow, 12=Cheyenne Irrigated

Winter Barley Variety Tests – 1995

VARIETY	Two Year Average Yield	1994 Average Yield	1995 Average Yield	LINCOLN Yield BU/A	Winter% Survival	Height Inches	MCCOOK Yield BU/A	Height Inches	DEWEESE Yield BU/A	Height Inches	NORTH P Yield BU/A	SIDNEY Yield BU/A
Centurk 78	47.42	42.50	52.33	37.45	99	38.00	42.33	36.50	39.97	43.75	58.00	83.92
Kearney	27.97	23.60	32.34	22.63	100	36.50	48.85	37.00	25.30	36.25	25.00	39.93
Hitchcock	33.46	37.00	29.92	32.16	99	32.50	25.61	28.50	15.30	31.25	19.50	57.03
Dundy	42.77	30.30	55.23	66.07	100	35.50	63.05	33.00	33.57	35.00	52.50	60.98
Perkins	45.72	45.00	46.44	42.16	100	38.00	51.83	35.00	28.94	35.00	32.00	77.25
Tambar 500	43.46	22.60	64.32	52.94	100	39.00	81.27	32.00	57.42	34.50	59.60	70.38
Weskan	36.64	32.20	41.08	32.88	100	35.00	63.89	33.00	41.47	33.70	30.00	37.15
Kanby	32.24	24.80	39.69	24.32	100	38.50	53.64	33.50	43.66	35.00	28.50	48.32
NE86954	46.86	43.10	50.62	55.69	100	34.00	55.89	29.50	23.36	30.00	32.50	85.68
NE90701	40.75	44.10	37.40	13.04	100	38.50	44.22	33.00	17.95	31.75	20.50	91.31
NE90710	44.55	46.00	43.10	27.75	100	37.50	54.39	31.50	23.22	32.75	35.50	74.62
NE90721	43.67	37.80	49.53	43.54	100	33.50	49.99	31.00	38.03	33.25	41.00	75.10
NE91702	53.52	38.00	69.05	79.41	100	37.50	75.47	31.00	55.16	36.00	67.50	67.70
NE92702	42.80	39.70	45.89	38.13	100	14.50	49.53	29.50	21.24	30.75	40.00	80.57
NE92714	47.29	37.30	57.27	61.38	100	33.50	63.19	27.50	35.06	30.25	61.50	65.23
NE92716	45.51	41.20	49.82	51.19	100	36.50	54.05	29.50	21.28	31.00	43.00	79.56
NE93706	39.57	37.20	41.94	43.53	100	35.00	49.99	29.50	31.21	34.75	30.50	54.49
NE93720	39.74	39.20	40.27	41.63	100	39.50	45.69	34.50	34.19	38.75	28.50	51.34
NE93727	39.48	38.10	40.85	35.16	100	35.00	50.96	32.00	26.29	32.25	27.00	64.84
NE93731	43.60	42.50	44.70	39.13	98	37.00	46.89	33.50	27.53	33.25	38.50	71.43
NE93740	43.81	41.30	46.31	43.10	100	35.50	56.82	35.00	30.35	36.25	20.50	80.78
NE93752	39.17	38.80	39.54	34.72	98	37.50	45.91	30.00	27.35	35.75	27.00	62.70
NE93758	45.59	42.00	49.17	51.60	100	38.50	57.86	38.00	44.44	40.75	38.60	53.37
NE93760	45.39	40.40	50.37	63.10	100	38.00	47.52	34.00	44.55	36.00	48.50	48.18
NE94708			45.68	49.66	100	38.50	50.38	34.50	37.02	36.75	41.00	50.32
NE94723			52.66	52.94	100	34.00	51.77	30.00	37.32	34.00	50.00	71.27
NE94725			56.48	58.79	100	37.00	71.44	32.00	39.67	32.75	42.00	70.48
NE94737			51.89	47.47	99	34.00	53.80	31.00	29.97	33.75	52.50	75.71
NE94738			40.48	42.91	100	38.50	48.88	32.50	31.06	36.25	27.50	52.03
NE94742			32.71	24.41	100	37.50	34.19	29.00	21.44	34.00	22.00	61.49
NE94752			35.09	45.03	100	37.00	32.44	30.50	24.94	34.75	20.00	53.04
NE94753			50.70	70.13	100	38.50	53.08	29.00	44.63	33.75	35.00	50.67
MEAN			46.39	44.79	98.94	36.55	52.34	32.06	32.91	34.49	37.36	64.57
LSD AT .05			14.26	12.43	2.17	3.24	12.19	3.42	11.08	2.56	21.85	13.74
CV %			19.88	18.97	1.48	4.14	15.81	4.98	22.87	5.05	27.28	14.45

Parentage of winter barley varieties tested in 1995.

Variety	Pedigree
CENTURK 78	winter wheat
KEARNEY	Nebraska composite cross
HITCHCOCK	Dicktoo/Reno//Shanon/Randolph/3/OACW82–11/Decatur
DUNDY	Sabbaton/Meimi//Decatur/3/Paoli
PERKINS	NE851808=Nebar sel./Dundy
TAMBAR 500	Texas A & M variety
WESKAN	Kansas variety
KANBY	Kansas variety
NE86954	Hitchcock/Maury//Hitchcock
NE90701	NE80725 sel./OK77422
NE90710	NE80725 sel./OK77422
NE90721	Dundy/OK77559
NE91702	NE81713/Wysor
NE92702	Dundy/Pennco
NE92714	Dundy/Pennco
NE92716	Dundy/Pennco
NE93706	NE ms1 (CO)
NE93720	NE85816/NE86968
NE93727	NE851804/PA8417–185
NE93731	Perkins/NE83810
NE93740	NE86815/NE83810
NE93752	Willis/NE86892
NE93758	Comp40ms/Post
NE93760	Comp40ms/NE83810
NE94708	NE83803/NE85811
NE94723	NE851808/NE87806
NE94725	NE851808/NE87806
NE94737	NE87811//NE86815/NE83810
NE94738	NE87811//NE86815/NE83810
NE94742	Dundy/Nebar sel.
NE94752	KMS/NE86954
NE94753	NE87838//Comp40ms/NE83810

Institute of Agriculture and Natural Resources

University of Nebraska-Lincoln

Agricultural Research Division

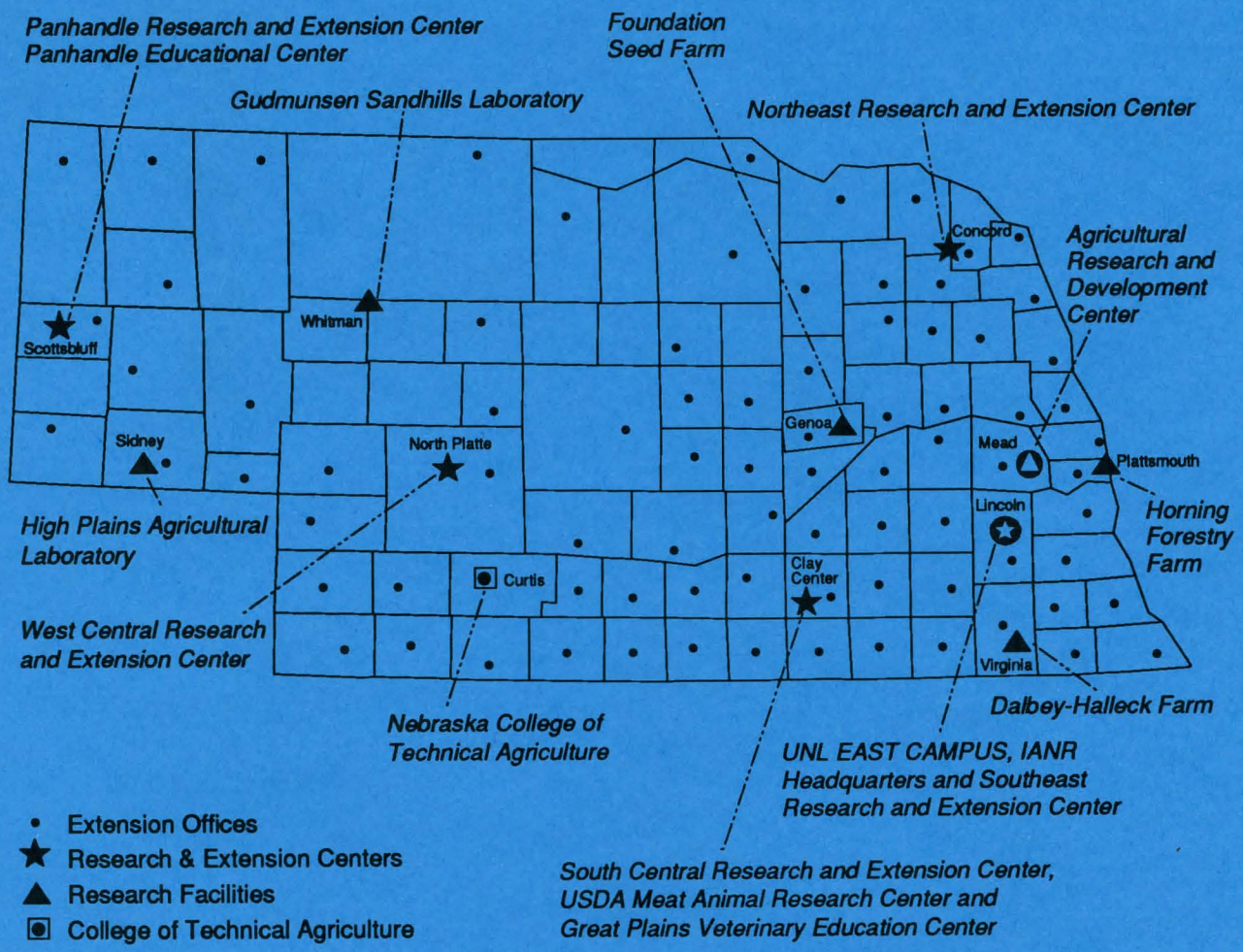
College of Agricultural Sciences and Natural Resources

College of Home Economics

Conservation and Survey Division

Cooperative Extension Division

International Programs



- • Extension Offices
- ★ Research & Extension Centers
- ▲ Research Facilities
- ◉ College of Technical Agriculture