

Current Report

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SMALL GRAIN VARIETY TESTING AND DEMONSTRATION PROGRAM, 1966-67

(NC.)

North Central Oklahoma I

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In the fall of 1965 a new type demonstration and testing program was initiated involving wheat, barley, and oats. This was a new endeavor to combine both testing and demonstration work into one complete program.

Most producers are interested in observing varieties being grown in large blocks so they may better evaluate their performance under field conditions. With this in mind, it was decided to plant the small grain varieties in plots large enough so they could be handled with equipment such as might be on a producer's farm.

Each variety was planted in a strip 16 feet wide by 100 feet long with three replications. Accuracy and replication were also desired so the results would be useful to plant breeders in evaluating the different varieties. Working as a team at the University, the research and extension personnel determined the varieties that should be planted in each of the locations throughout the state.

The counties were selected where these demonstrations would be planted. County Extension Directors and the Area Extension Agronomists were contacted for assistance in locating the plots and selecting the cooperators.

The planting plan consisted of a randomized, complete block design with three replications. A design such as this will lend itself to demonstration

work and also will provide accuracy for research personnel. The plots were planted with an eight-foot tractor-mounted drill. Harvesting was by means of an eight-foot self-propelled combine.

The plots were planted and harvested by field personnel located at the Oklahoma State University Research Station, Stillwater, Oklahoma. The area harvested from each variety consisted of a strip eight feet wide and eighty feet long from each replication. The grain yield and test weight were determined on each variety in each replication.

The demonstrations were planted in four geographic areas of Oklahoma, namely, the Panhandle, North Central, South Central and Southwest areas. The data in this Current Report only covers North Central Oklahoma. Current Report 2012 covers the other areas of Oklahoma.

This new type testing and demonstration program is made possible through a grant from the Oklahoma Crop Improvement Association. Each of the locations is marked with a 3' x 5', orange and black sign with the lettering "OSU Variety Test" on both sides.

Yield and Test Weight of Small Grain Varieties at Eleven Locations, Northcentral Oklahoma 1966-67

Variety	Deer Creek ¹		Drummond ²		Garber ³		Greenfield ⁴		Jet ⁵		Lamont ⁶	
	Bu/A	Test Wt.	Bu/A	Test Wt.	Bu/A	Test Wt.	Bu/A	Test Wt.	Bu/A	Test Wt.	Bu/A	Test Wt.
Concho	20.1	52	37.8	62	28.4	57	16.4	57	19.7	59	18.7	57
Scout	17.0	58	37.8	61	33.4	57	19.9	56	17.6	55	18.9	58
Imp. Triumph	22.8	62	31.3	61	29.3	61	21.8	59	18.4	59	20.9	58
Wichita	20.5	61	33.8	62	26.7	62	19.0	59	18.7	60	20.5	60
Triumph	21.1	61	29.7	62	23.7	60	20.8	60	18.4	60	21.5	59
Gage	14.7	57	32.6	61	26.7	58	15.2	56	19.4	58	17.5	57
Kaw 61	19.4	57	32.2	61	29.4	62	19.2	60	15.4	58	17.5	59
Tascosa	16.7	53	29.1	60	27.6	63	14.5	58	17.7	61	16.6	59
Triumph 64	20.2	61					19.0	56	16.9	59	20.5	59
13523	15.9	49					18.3	56	16.4	58	16.1	56
Will	27.5	33	39.5	43	43.0	36	20.1	42	11.3	33	19.8	30
Rogers	24.5	36	37.3	46	33.9	40	17.0	43	8.3	38	18.4	35
Cimarron			57.3	36	31.6	34	21.8	35	17.9	30	26.2	33
Bronco			45.3	37	21.9	31	14.9	34	6.4	31	16.3	33
8183												
Arkwin			41.5	35	24.6	35	14.8	36	7.8	29	13.5	31

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¹ Elvie Lasiter Farm, 8 1/2 m. N. of Deer Creek

² Blain Rikli Farm, 2 bk. E. of Co-op elevator, Drummond

³ August Brunken Farm

⁴ Bob Nitzel Farm, 2 M. N. of Greenfield

⁵ Dale Dunavan Farm, 4 m. W., 3 m. S. of Jet

⁶ Orval Dailey Farm, 2 m. N. of Lamont

Yield and Test Weight of Small Grain Varieties at Eleven Locations, Northcentral Oklahoma 1966-67 (cont'd)

Variety	Meno ⁷		Okeene ⁸		Perry ⁹		Ponca City ¹⁰		Ponca City ¹¹		Average
	Bu/A	Test Wt.	Bu/A	Test Wt.	Bu/A	Test Wt.	Bu/A	Test Wt.	Bu/A	Test Wt.	Bu/A
Concho	22.9	57	28.1	61	25.2	62	30.7	58	30.2	60	25.3
Scout	18.1	56	24.5	59	24.2	60	29.7	59	32.2	60	24.8
Imp. Triumph	21.6	56	19.9	59	21.1	59	28.2	58	29.3	60	24.1
Wichita	19.1	57	19.6	60	21.4	60	27.9	59	25.4	61	23.0
Triumph	20.5	58	18.7	59	22.0	61	27.7	60	25.2	59	22.7
Gage			22.4	60	21.7	60	26.2	58	29.1	59	22.6
Kaw 61	20.4	57	21.0	59	21.5	61	27.4	61	24.2	61	22.5
Tascosa	18.6	59	26.2	62	21.7	62	27.9	60	28.0	62	22.2
Triumph 64	20.3	58					31.4	61			21.4
13523	16.2	54			18.5	60	20.1	54	24.1	57	18.2
Will	29.1	40	32.6	45	23.9	42	27.9	39	29.1	40	27.6
Rogers			26.9	48	23.6	46	35.5	42	17.7	40	24.3
Cimarron	36.5	36	31.9	37	18.9	39	31.2	36	14.3	37	28.8
Bronco	37.6	34	30.1	33	33.3	40	23.3	35	24.5	35	25.4
8183									25.0	37	25.0
Arkwin	27.5	34	25.0	35	22.7	38	26.4	35	27.9	36	23.2

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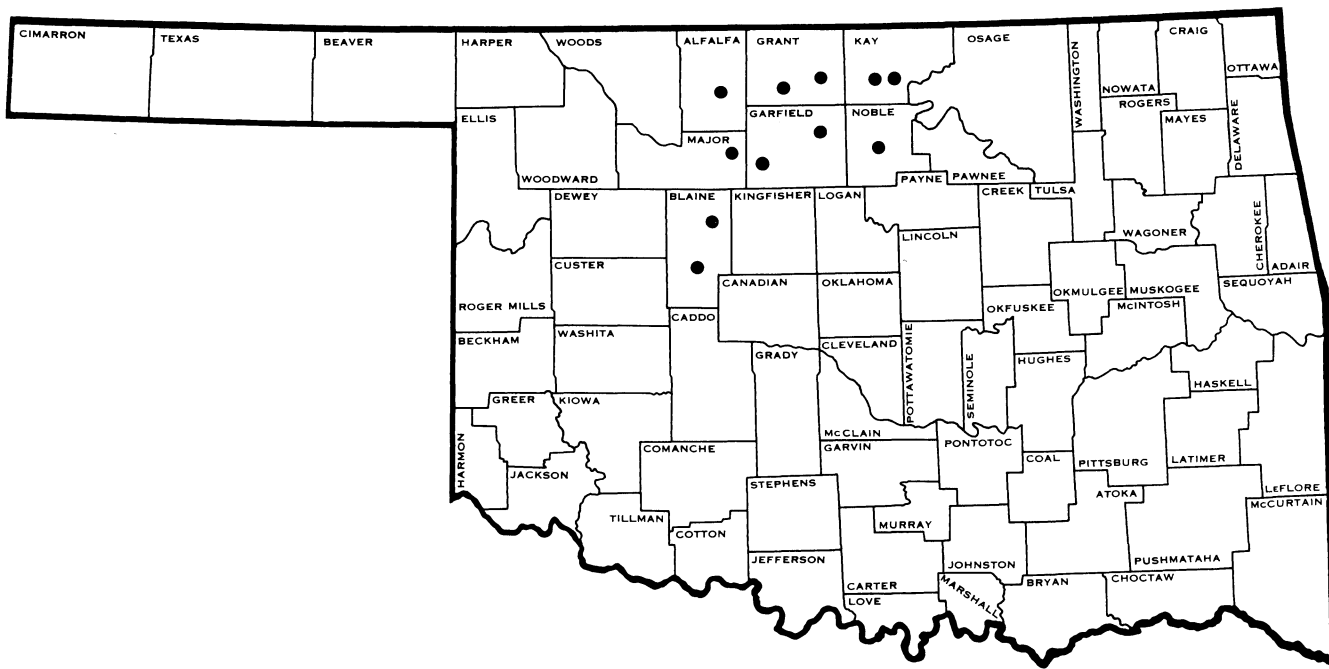
⁷ Melvin Koehn Farm, 1/4 m. W. of Meno

⁸ Owen Wimberly, 2 m. E., 1 3/4 N. of Okeene

⁹ J. A. Megentry Farm

¹⁰ James Schiltz Farm

¹¹ Joe Stichen Farm



Eleven farms in seven north central counties provided land for 1966-67 small grain test plot demonstrations.

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