

Table 2

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR
ENTRIES IN WHEAT VARIETY TESTS GROWN IN EASTERN OKLAHOMA, 1977

	Miami		Muskogee		Vinita		Average Yield
	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	
Osage	44.0*	115	54.5	111	-	-	49.3
Vona	43.6*	114	63.0*	128	23.8*	172	43.5
Centurk	43.4	114	53.4	108	26.7*	193	41.2
Lindon	48.2*	126	54.4	110	20.6	149	41.1
Pioneer 915A	41.7	109	52.4	106	26.7*	193	40.3
Tam W 101	40.5	106	62.1*	126	17.5	127	40.0
Sage	43.6*	114	58.6*	119	17.1	124	39.8
Tam W 103	41.6	109	51.1	104	24.2*	175	39.0
Larned	43.3	113	53.8	109	18.5	134	38.5
DeKalb 589	39.9	104	59.0*	120	14.9	108	37.9
Rall	40.5	106	54.0	110	18.5	134	37.7
Scout 66	40.3	105	53.9	109	18.4	133	37.5
Lancota	38.5	101	52.8	107	19.4	141	36.9
Danne	40.0	105	49.1	100	21.1	153	36.7
Agate	40.5	106	50.1	102	17.9	130	36.2
Sturdy	37.0	97	50.3	102	15.2	110	34.2
Triumph 64	38.2	100	49.3	100	13.8	100	33.8
Average	41.5 Bu.		54.2 Bu.		19.6 Bu.		
L.S.D. (.05)	4.6 Bu.		6.5 Bu.		5.5 Bu.		
C.V.	7.8 %		8.4 %		19.9 %		

*Entries in first level of statistical significance

Table 3

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR
ENTRIES IN WHEAT VARIETY TESTS GROWN IN WESTERN OKLAHOMA, 1977

	Corn		Delhi		Geary		Hinton		Leedey		Average Yield
	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	
Tam W 101	42.7*	105	11.7	91	33.4	108	53.0*	122	28.1*	119	33.8
Centurk	41.9*	103	12.0*	93	36.2*	117	43.3	100	24.1*	102	31.5
Danne	43.3*	107	13.2*	102	34.5	112	43.4	100	22.1	93	31.3
Vona	41.3*	102	8.8	68	38.0*	123	46.3	107	20.2	85	30.9
Pioneer 915A	39.6	98	11.7	91	31.7	103	44.8	103	24.2*	102	30.4
Triumph 64	40.5*	100	12.9*	100	30.9	100	43.3	100	23.7*	100	30.3
Osage	36.9	91	9.3	72	33.0	107	42.7	99	23.6*	100	29.1
Lancota	33.4	82	11.4	88	33.4	108	42.1	97	24.7*	104	29.0
DeKalb 589	37.6	93	11.5	89	32.4	105	45.6	105	16.8	71	28.8
Lindon	39.9	99	9.7	75	30.1	97	40.8	94	20.8	88	28.3
Agate	34.7	86	12.7*	98	29.8	96	41.7	96	21.5	91	28.1
Larned	37.8	93	10.9	84	32.3	105	41.6	96	16.0	68	27.7
Tam W 103	36.7	91	6.4	50	34.0	110	44.5	103	16.7	70	27.7
Rall	38.5	95	9.2	71	33.0	107	44.0	102	13.3	56	27.6
Sage	35.9	89	9.2	71	32.5	105	46.1	106	13.8	58	27.5
Scout 66	37.5	93	10.5	81	30.4	98	40.0	92	13.8	58	26.4
Sturdy	32.2	80	5.6	43	29.6	96	42.0	97	13.1	55	24.5
Average	38.3 Bu.		10.4 Bu.		32.7 Bu.		43.8 Bu.		19.8 Bu.		
L.S.D. (.05)	2.8 Bu.		1.4 Bu.		3.2 Bu.		5.3 Bu.		5.8 Bu.		
C.V.	5.2 %		9.6 %		6.9 %		8.5 %		20.8 %		

*Entries in first level of statistical significance

Table 4
GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR
ENTRIES IN WHEAT VARIETY TESTS GROWN IN SOUTHCENTRAL OKLAHOMA, 1977

	<u>Central High</u>		<u>Chickasha</u>		<u>Pauls Valley</u>		<u>Average Yield</u>
	<u>Yield</u>	<u>% TRI</u>	<u>Yield</u>	<u>% TRI</u>	<u>Yield</u>	<u>% TRI</u>	
	<u>Bu/A</u>	<u>64</u>	<u>Bu/A</u>	<u>64</u>	<u>Bu/A</u>	<u>64</u>	
Tam W 103	25.3	104	33.3	98	58.2*	115	38.9
DeKalb 589	24.6	101	33.0	97	56.8*	112	38.1
Vona	30.5	125	45.0*	132	-	-	37.8
Sturdy	24.7	101	33.3	98	51.1	101	36.4
Triumph 64	24.4	100	34.1	100	50.8	100	36.4
Danne	24.9	102	32.3	95	51.3	101	36.2
Tam W 101	28.8*	118	31.1	91	46.0	91	35.3
Lindon	27.2*	111	37.8	111	40.7	80	35.2
Pioneer 915A	25.0	102	31.8	93	48.6	96	35.1
Centurk	26.6	109	32.4	95	45.4	89	34.8
Lancota	26.1	107	26.4	77	42.3	83	31.6
Larned	27.1*	111	25.8	76	40.6	80	31.2
Agate	25.3	104	28.1	82	39.8	78	31.1
Scout 66	28.4*	116	26.9	79	37.4	74	30.9
Osage	25.0	102	27.1	79	39.4	78	30.5
Rall	26.3	108	25.2	74	38.2	75	29.9
Sage	26.0	107	24.9	73	36.3	71	29.1
Average	26.2 Bu.		31.1 Bu.		45.2 Bu.		
L.S.D. (.05)	3.8 Bu.		3.4 Bu.		5.1 Bu.		
C.V.	10.3 %		7.8 %		8.0 %		

*Entries in first level of statistical significance

Table 5
GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR
ENTRIES IN WHEAT VARIETY TESTS GROWN IN SOUTHWESTERN OKLAHOMA, 1977

	<u>Altus</u>		<u>Chattanooga</u>		<u>Baden Farm</u>		<u>Frederick</u>		<u>Gould</u>		<u>Average Yield</u>
	<u>Yield</u>	<u>% TRI</u>	<u>Yield</u>	<u>% TRI</u>	<u>Yield</u>	<u>% TRI</u>	<u>Yield</u>	<u>% TRI</u>	<u>Yield</u>	<u>% TRI</u>	
	<u>Bu/A</u>	<u>64</u>	<u>Bu/A</u>	<u>64</u>	<u>Bu/A</u>	<u>64</u>	<u>Bu/A</u>	<u>64</u>	<u>Bu/A</u>	<u>64</u>	
Tam W 103	41.4	112	47.2	111	55.2*	124	23.2	90	-	-	41.8
Pioneer 915A	43.5	118	45.3	107	54.1*	122	27.0*	105	19.8	116	37.9
Lindon	43.6	118	45.4	107	54.3*	122	26.7*	103	19.0	111	37.8
Lancota	45.5*	124	44.8	105	51.1	115	23.1	90	20.4	119	37.0
Tam W 101	42.4	115	39.6	93	54.3*	122	24.7*	96	24.0*	140	37.0
Vona	49.6*	135	52.5*	124	-	-	25.4*	98	20.0	117	36.9
Larned	46.0*	125	42.4	100	49.0	110	23.8*	92	21.1	123	36.5
Danne	38.6	105	46.7	110	48.3	109	28.0*	109	18.6	109	36.0
Agate	46.8*	127	40.9	96	46.6	105	25.4*	98	18.6	109	35.7
Centurk	42.6	116	39.4	93	53.6*	121	23.0	89	19.8	116	35.7
Osage	46.6*	127	41.4	97	51.2	115	21.9	85	16.3	95	35.5
DeKalb 589	37.4	102	45.0	106	49.5	111	26.3*	102	15.2	89	34.7
Scout 66	40.1	109	41.4	97	45.7	103	23.1	90	16.9	99	33.4
Triumph 64	36.8	100	42.5	100	44.4	100	25.8*	100	17.1	100	33.3
Sage	45.1*	123	36.8	87	47.1	106	20.6	80	16.6	97	33.2
Rall	41.9	114	38.8	91	44.8	101	21.9	85	15.7	92	32.6
Sturdy	37.6	102	40.5	95	45.9	103	21.4	83	16.8	98	32.4
Average	42.7 Bu.		43.0 Bu.		49.7 Bu.		24.2 Bu.		18.5 Bu.		
L.S.D. (.05)	4.8 Bu.		4.6 Bu.		3.5 Bu.		4.5 Bu.		2.2 Bu.		
C.V.	7.9 %		7.6 %		5.0 %		13.3 %		8.4 %		

*Entries in first level of statistical significance

Table 6

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR
ENTRIES IN WHEAT VARIETY TESTS GROWN IN NORTHWESTERN OKLAHOMA, 1977

	Arnett		Boise City ¹		Forgan		Goodwell		Goodwell ¹		Woodward		Average Yield
	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	
Tam W 101	49.2*	118	41.7*	98	23.2*	112	18.8	109	78.2*	159	58.1*	120	44.9
Vona	35.4	85	46.0*	108	20.3	98	20.8	120	81.1*	165	59.0*	122	43.8
Larned	34.8	83	43.2*	102	25.3*	122	31.4*	180	59.7	121	58.9*	121	42.2
Lindon	39.8	95	37.1	87	21.5	103	20.2	116	70.7	144	59.1*	122	41.4
Scout 66	29.9	72	41.7*	98	25.5*	123	22.9	132	60.8	124	59.6*	123	40.1
Pioneer 915A	44.6	107	38.1	90	21.3	102	21.6	124	52.6	107	62.1*	128	40.1
Rall	30.3	73	40.3*	95	25.5*	123	22.4	129	62.6	127	59.0*	122	40.0
Osage	33.6	81	43.6*	103	21.7	104	24.8*	143	54.3	110	61.5*	127	39.9
Sage	31.9	76	48.4*	114	24.3*	117	25.1*	144	52.5	107	56.1*	116	39.7
Centurk	41.0	98	42.5*	100	22.6*	109	22.2	128	52.9	108	56.5*	117	39.6
Danne	42.7	102	35.6	84	24.4*	117	21.5	124	52.1	106	59.0*	122	39.2
Tam W 103	37.3	89	41.1*	97	22.4*	108	12.5	72	62.4	127	57.3*	118	38.8
Agate	35.2	84	37.7	89	23.4*	113	27.4*	157	50.2	102	55.0	113	38.2
DeKalb 589	42.5	102	-	-	20.7	100	18.9	109	51.2	104	56.4*	116	37.9
Lancota	35.4	85	41.1*	97	19.8	95	26.2*	151	48.6	99	53.5	110	37.4
Triumph 64	41.7	100	42.5*	100	20.8	100	17.4	100	49.2	100	48.5	100	36.7
Sturdy	28.9	69	35.2	83	17.2	83	14.9	86	69.4	141	46.6	96	35.4
Average	37.3 Bu.		41.0 Bu.		22.3 Bu.		21.7 Bu.		59.3 Bu.		56.8 Bu.		
L.S.D. (.05)	2.6 Bu.		8.7 Bu.		3.7 Bu.		8.1 Bu.		8.0 Bu.		6.3 Bu.		
C.V.	5.0 %		14.9 %		11.9 %		26.4 %		9.5 %		7.8 %		

¹Irrigated

*Entries in first level of statistical significance

Table 7

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR
ENTRIES IN WHEAT VARIETY TESTS GROWN IN NORTHCENTRAL OKLAHOMA, 1977

	Burlington		Douglas		Lahoma		Lamont		Ponca City		Stillwater		Average Yield
	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	
Vona	22.4	91	16.9	102	37.4*	116	45.4*	113	43.7*	98	58.9*	135	37.5
Pioneer 915A	21.5	87	20.5*	123	38.2*	119	41.1	102	48.6*	109	46.2	106	36.0
Danne	22.3	91	17.7*	107	34.9	108	41.7*	104	40.6*	91	50.2	115	34.6
Tam W 101	27.3*	111	18.4*	111	34.0	106	43.0*	107	40.3	91	43.2	99	34.4
Triumph 64	24.6*	100	16.6	100	32.2	100	40.2	100	44.4*	100	43.6	100	33.6
DeKalb 589	23.5	96	19.0*	114	31.0	96	42.6*	106	35.8	81	47.9	110	33.3
Centurk	20.7	84	15.1	91	32.3	100	39.8	99	33.6	76	52.1	119	32.3
Lindon	23.0	93	15.5	93	32.7	102	40.3	100	32.6	73	49.5	114	32.3
Tam W 103	17.4	71	15.5	93	32.6	101	42.6*	106	35.6	80	43.4	99	31.2
Larned	19.2	78	16.9	102	36.2*	112	37.9	94	29.7	67	46.7	107	31.1
Osage	21.1	86	17.0	102	36.0*	112	36.3	90	30.0	68	45.4	104	31.0
Rall	18.9	77	15.7	95	34.2	106	36.0	90	26.5	60	48.6	111	30.0
Lancota	18.5	75	14.9	90	34.6	107	36.0	90	31.9	72	42.6	98	29.8
Scout 66	18.8	76	17.2	104	30.7	95	35.2	88	28.7	65	45.3	104	29.3
Sage	19.0	77	17.2	104	34.7	108	35.2	88	26.3	59	42.8	98	29.2
Agate	20.6	84	14.6	88	35.9*	111	34.6	86	24.1	54	43.4	99	28.9
Sturdy	17.3	70	13.1	80	29.0	90	37.5	93	33.8	76	39.0	89	28.3
Average	20.9 Bu.		16.6 Bu.		33.9 Bu.		39.1 Bu.		34.5 Bu.		46.4 Bu.		
L.S.D. (.05)	3.2 Bu.		2.8 Bu.		3.1 Bu.		4.1 Bu.		8.0 Bu.		6.7 Bu.		
C.V.	11.0 %		12.0 %		6.5 %		7.4 %		16.4 %		10.1 %		

*Entries in first level of statistical significance

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