



Table 1: CENTRAL

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR  
ENTRIES IN WHEAT VARIETY TESTS GROWN IN CENTRAL OKLAHOMA, 1979

	Chickasha		Geary		Hinton		Average Yield
	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	Yield Bu/A	% TRI 64	
Vona	55.8*	168	52.9*	112	56.1	99	55.0
TAM W101	38.3	116	51.3*	109	64.0*	112	51.2
Lindon	46.6	140	49.6	105	53.9	95	50.0
Newton	36.8	111	48.8	104	59.6	105	48.4
Centurk 78	33.6	101	48.3	103	60.9	107	47.6
Payne	33.4	101	47.8	101	57.3	101	46.2
Triumph 64	33.2	100	47.1	100	56.9	100	45.7
Centurk	35.7	108	43.3	92	57.9	102	45.6
Osage	36.1	109	43.0	91	57.8	101	45.6
Larned	33.6	101	46.9	99	56.2	99	45.6
Scout 66	32.5	98	46.3	98	55.6	98	43.9
Sage	37.8	114	41.1	87	52.9	93	44.0
Rall	36.8	111	41.0	87	54.3	95	44.0
Dekalb 589	32.2	97	46.8	99	52.8	93	44.0
Pioneer HR940	32.2	97	42.1	89	56.1	99	43.5
Sturdy	39.3	118	40.3	86	47.1	83	42.2
Average	37.1 Bu.		46.1 Bu.		56.2 Bu.		
L.S.D.	3.4 Bu.		3.2 Bu.		2.7 Bu.		
C.V.	7.2 %		5.5 %		3.9 %		

\*Entries in first level statistical significance.

Table 2: NORTH-CENTRAL

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR  
ENTRIES IN WHEAT VARIETY TESTS GROWN IN NORTHCENTRAL OKLAHOMA, 1979

	Lahoma		Lamont		Pawnee		Ponca City		Stillwater		Waukomis		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	60.9*	130	53.4*	125	56.5*	110	56.2	107	67.1*	121	51.3*	105	57.6
Lindon	58.8*	126	54.3	127	51.9	102	51.5*	98	61.0	110	53.7*	110	53.2
TAM W101	61.4*	131	50.4	118	45.4	89	56.5*	108	63.6*	115	52.0*	107	54.9
Newton	51.7	111	43.8	102	49.4	97	54.7*	104	64.6*	117	48.1	99	52.1
Centurk 78	45.6	98	43.9	103	51.9	102	52.6*	100	67.9*	123	47.9	98	51.6
Payne	54.8	117	45.1	106	41.6	81	51.6*	99	63.1*	114	50.7*	104	51.2
Larned	56.4*	121	41.1	97	47.6	93	45.1	86	62.9*	114	51.3*	105	50.8
Pioneer HR940	46.1	99	44.1	103	48.3	95	51.1*	97	66.0*	119	46.5	95	50.4
Centurk	43.4	93	37.8	88	54.8*	107	51.1*	97	63.1*	114	51.2*	105	50.2
Scout 66	51.9	111	42.6	100	48.5	95	46.0	87	64.7*	117	47.3	97	50.2
Sturdy	48.2	103	48.1	113	41.4	81	52.0*	99	63.1*	114	47.5	98	50.1
Rail	52.9	113	39.1	92	47.4	93	47.5	90	64.3*	116	47.8	98	49.9
Triumph 64	46.7	100	42.7	100	51.1	100	52.6*	100	55.3	100	48.7*	100	49.5
Dekalb 589	44.5	95	40.6	95	48.9	96	44.5	85	65.7*	119	51.8*	100	49.3
Sage	45.9	98	40.6	95	45.3	87	40.1	76	62.1*	112	45.8	94	46.5
Osage	42.7	91	36.6	86	42.6	83	42.6	81	58.1	105	41.5	85	44.0
Average	50.7 Bu.		44.1 Bu.		48.3 Bu.		49.7 Bu.		63.3 Bu.		48.9 Bu.		
L.S.D.	5.1 Bu.		2.4 Bu.		3.6 Bu.		6.0 Bu.		5.8 Bu.		5.4 Bu.		
C.V.	7.1 %		5.4 %		6.1 %		12.0 %		6.5 %		8.8 %		

\*Entries in first level statistical significance.

Table 3: SOUTHWEST

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR  
ENTRIES IN WHEAT VARIETY TESTS GROWN IN SOUTHWEST OKLAHOMA, 1979

	Jester		Chattanooga		Frederick		Gould		Hobart		Mangum		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	62.7*	122	41.8*	125	40.9*	128	35.5*	101	65.6*	120	46.3*	139	48.2
TAM W101	57.8	112	29.6	89	46.3*	145	33.4	95	65.1*	119	46.3*	139	46.4
Lindon	55.3	107	36.6	110	37.9*	118	31.8	91	63.7*	117	44.5*	134	45.0
Payne	54.0	105	34.4	103	36.7	115	35.9*	103	58.8	108	46.2*	139	44.3
Newton	56.7	110	32.1	96	36.9*	115	31.4	90	56.7	104	48.9*	147	43.8
Centurk 78	57.5	112	30.1	90	36.7	115	33.1	95	57.4	105	39.7	119	42.4
Centurk	55.7	108	29.4	88	39.8*	124	32.1	92	58.9	108	36.6	110	42.1
Dekalb 589	54.7	106	33.9	101	30.0	94	32.5	93	53.7	98	36.7	110	40.2
Triumph 64	51.5	100	33.4	100	32.0	100	35.0*	100	54.6	100	33.3	100	40.0
Osage	50.1	97	27.3	82	37.0*	116	31.3	89	59.5	109	34.4	103	40.0
Larned	56.2	109	27.8	83	34.9	109	31.4	90	54.7	100	34.2	103	39.9
Scout 66	55.1	107	26.5	79	34.3	107	31.3	89	53.5	98	37.8	113	39.8
Rall	55.9	109	24.7	74	37.8*	118	29.3	84	54.2	99	33.3	100	39.2
Sage	51.2	99	26.7	80	39.3*	123	26.4	75	52.5	96	36.7	110	38.8
Sturdy	52.8	103	32.1	96	26.3	82	30.1	86	51.1	94	39.7	119	38.7
Pioneer HR940	51.7	100	22.3	67	27.6	86	30.9	88	51.8	95	38.2	115	37.1
Average	54.9 Bu.		30.5 Bu.		35.9 Bu.		31.9 Bu.		56.8 Bu.		39.5 Bu.		
L.S.D. (.05)	2.8 Bu.		3.4 Bu.		4.0 Bu.		2.3 Bu.		3.9 Bu.		5.5 Bu.		
C. V.	4.2 %		8.9 %		8.9 %		5.8 %		5.5 %		11.2 %		

\*Entries in first level statistical significance.

Table 4: NORTHWEST

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR  
ENTRIES IN WHEAT VARIETY TESTS GROWN IN NORTHWEST OKLAHOMA, 1979

	Buffalo		Burlington		Fairview		Goodwell**		Leedey		Taloga		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	Yield Bu/A	% TRI 64	
Vona	48.8	97	72.2*	133	70.5*	123	98.6*	131	61.4*	113	47.4	102	83.0*	142	68.8
Lindon	50.0*	100	65.6	121	69.2*	120	93.5*	124	59.0*	109	45.7	98	71.2	122	64.9
Newton	53.5*	107	60.6	112	54.9	96	99.9*	133	53.1	98	49.3*	106	77.3*	132	64.1
TAM W101	47.2	94	66.9*	123	61.9	108	86.1	114	53.5	99	48.6*	105	81.9*	140	63.7
Centurk 78	51.2*	102	57.2	105	56.5	99	92.8*	123	54.8	100	51.7*	111	63.6	109	61.1
Larned	54.8*	109	42.2	78	51.7	90	90.4	120	53.0	98	49.3*	106	71.9	123	59.0
Payne	46.3	92	52.1	96	61.5	108	87.8	117	55.3	102	46.5	100	61.6	105	58.7
Rall	51.4*	102	42.7	79	54.6	95	91.0*	121	51.3	94	43.9	94	71.6	122	58.1
Osage	53.5*	107	47.4	87	48.9	85	90.5*	120	52.9	97	44.5	96	67.3	115	57.9
Pioneer HR940	54.1*	109	48.8	90	53.6	94	83.8	111	49.1	90	44.5	96	65.6	112	57.2
Centurk	49.4*	98	46.9	86	53.0	92	89.0	118	51.3	94	49.9	107	61.2	104	57.2
Scout 66	54.3*	108	41.9	77	49.9	87	94.2*	125	51.5	95	38.9	84	65.7	112	56.6
Triumph 64	50.2*	100	54.2	100	57.2	100	75.2	100	54.3	100	46.5	100	58.5	100	56.6
Sage	51.2*	102	43.3	80	47.4	83	93.3*	124	51.3	94	46.9	101	59.1	101	56.1
Sturdy	41.0	82	58.1	107	59.4	104	78.0	104	48.7	90	38.5	83	63.9	109	55.4
Dekalb 589	48.3	96	42.0	77	55.0	96	88.3	117	52.9	97	44.5	96	54.6	93	55.1
Average	50.3 Bu.		52.6 Bu.		56.5 Bu.		89.5 Bu.		53.3 Bu.		46.6 Bu.		67.4 Bu.		
L.S.D.	5.4 Bu.		5.6 Bu.		3.4 Bu.		9.4 Bu.		3.7 Bu.		3.1 Bu.		8.4 Bu.		
C.V.	8.6 %		8.5 %		4.8 %		7.4 %		5.5 %		5.4 %		8.7 %		

\*Entries in first level statistical significance.

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Table 5: EASTERN

GRAIN YIELD (BUSHEL PER ACRE) AND PERCENT OF TRIUMPH 64 FOR ENTRIES IN WHEAT VARIETY TESTS GROWN IN EASTERN OKLAHOMA, 1979

	Haskell	
	Yield Bu/A	% TRI 64
Payne	66.8*	123
Scout 66	60.0*	110
Centurk 78	58.6*	108
Osage	58.4*	107
Larned	56.3	103
Newton	55.2	101
Pioneer HR940	54.9	101
Centurk	54.8	101
Triumph 64	54.4	100
Lindon	54.4	100
TAM W101	53.4	98
Rall	51.4	94
Sage	50.5	93
Vona	49.4	91
Sturdy	48.7	90
Dekalb 589	48.5	89
Average	54.7 Bu.	
L.S.D.	9.0 Bu.	
C.V.	9.4 %	

\*Entries in first level statistical significance.

Table 6: AVERAGE

GRAIN YIELD (BUSHEL PER ACRE) FOR 16 ENTRIES AT 23 LOCATIONS IN OKLAHOMA, 1979

<u>Variety</u>	<u>Yield (Bu/A)</u>
Vona	57.5
TAM W101	54.8
Lindon	54.8
Newton	53.2
Payne	51.9
Centurk 78	51.9
Larned	50.0
Scout 66	49.6
Triumph 64	48.9
Rall	48.9
Centurk	48.8
Pioneer HR940	48.2
Osage	48.0
Dekalb 589	48.0
Sturdy	47.6
Sage	47.3

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