Wheat Variety Performance Tests in Tennessee

2015

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Variety test results are posted on UT's website at:

http://varietytrials.tennessee.edu

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General Information

Research and Education Center Tests: The 2015 variety performance tests were conducted on 96 soft, red winter wheat varieties in each of the physiographic regions of the state. Tests were conducted at the East TN (Knoxville), Plateau (Crossville), Highland Rim (Springfield), Middle TN (Spring Hill), Milan (Milan), and West TN (Jackson) Research and Education Centers (REC) and at the Agricenter International in Memphis.

All varieties were seeded at rates from 28-32 seed per square foot (1.2–1.4 million seed per acre) (Table 1). Plots were seeded with drills using 7–7.5 inch row spacing. The plot size was six, seven, nine or ten rows, 25 to 30 feet in length depending on location equipment. Plots were replicated three times at each location. Seed of all varieties were treated with a fungicide.

County Standard Tests: The County Standard Wheat Test was conducted on 24 soft red winter wheat varieties across nine counties in Middle and West Tennessee (Dyer, Fayette, Gibson, Henry, Lake, Madison, Moore, Tipton, and Weakley). Each variety was evaluated in a large strip-plot at each location, thus each county test was considered as one replication of the test in calculating the overall average yield and in conducting the statistical analysis to determine significant differences. At each location, plots were planted, sprayed, fertilized, and harvested with the equipment used by the cooperating producer in their farming operation. The width and length of strip-plots were different in each county; however, within a location in a county, the strips were trimmed so that the lengths were the same for each variety, or if the lengths were different then the harvested length was measured for each variety and appropriate harvested area adjustments were made to determine the yield per acre.

Wheat Silage Tests: In order to evaluate the 2015 wheat varieties for silage yield, a duplicate test with a different randomization was planted at the Middle Tennessee Research and Education Center. These data will be presented in the UT Extension Silage Tests publication (SP 618) later this year.

Growing Season: In spite of heavy and persistent rains, winter wheat planting progressed more quickly in 2014 than in 2013. Drastically cooler temperatures in mid-November did affect the emergence of newly planted wheat. In the spring, wheat developed well ahead of last year due to favorable moisture conditions. While the majority of the wheat crop showed no freeze damage, 33% did exhibit freeze damage in the spring. According to the Tennessee Agricultural Statistics Service (TASS), the crop rated mostly good (49%) to excellent (30%) condition by mid-June. Estimated State yield average is 71 bu/a in 2015, a 5 bu/a increase compared to 2014 yields. Tennessee producers planted approximately 530,000 acres of wheat in the fall of 2014. Approximately 410,000 acres are estimated to be harvested for grain. According to TASS, the total wheat production in Tennessee for 2015 is projected to be 29.1 million bushels, a decrease of seven percent from 2014 production.

Interpretation of Data

The tables on the following pages have been prepared with the entries listed in order of performance, the highest-yielding entry being listed first. All yields presented have been adjusted to 13.5% moisture. At the bottom of the tables, **LSD** values stand for **Least Significant Difference**. The mean yields of any two varieties being compared must differ by at least the LSD amount shown to be considered different in yielding ability at the 5% level of probability of significance. For example, given that the LSD for a test is 8.0 bu/a and the mean

yield of Variety A was 50 bu/a and the mean yield of Variety B was 55 bu/a, then the two varieties are not statistically different in yield because the difference of 5 bu/a is less than the minimum of 8 bu/a required for them to be significant. Similarly, if the average yield of Variety C was 63 bu/a then it is significantly higher yielding than both Variety B (63 - 55 = 8 bu/a = LSD of 8) and Variety A (63 - 50 = 13 bu/a > LSD of 8).

The **coefficient of variation (C.V.)** values are shown at the bottom of each table. This value is a measure of the error variability found within each experiment. It is the percentage that the square root of error mean square is of the overall test mean yield at that location. For example, a C.V. of 10% indicates that the size of the error variation is about 10% of the size of the test mean. Similarly, a C.V. of 30% indicates that the size of the error variation is nearly one-third as large as the test mean. A goal in conducting each yield test is to keep the C.V. as low as possible, preferably below 20%.

---------- Wheat ----------

Results Summary

Yield and Agronomic Traits: During 2015, 96 wheat varieties were evaluated in seven Research and Education Center (REC) tests, and 24 varieties were evaluated in nine county standard tests (CST). Twenty-three varieties in the CST were also present in the REC tests (Table 5). Sixteen companies and four universities entered varieties into the tests this year. The average yield of the 96 varieties in the 2015 REC tests was 68 bu/a (range from 61 to 75 bu/a, Table 2). The varieties ranged in maturity from 209 to 215 days after planting (DAP) with most of the varieties clustering around 211 DAP (Table 3). The average yield of the 24 varieties in the county tests was 71.9 bu/a, with individual varieties ranging from 65.2 to 77.8 bu/a (Table 4). The test weight values ranged from 53.3 to 61.6 lbs/bu in the REC tests (Table 3) and 57.2 to 59.9 lbs/bu in the CST (Table 4).

Table 1. Location information from research and education centers where the wheat variety tests were conducted in 2015.

Research and Education Center	Location	Planting Date	Harvest Date	Seeding Rate		Soil Type
Knoxville	Knoxville	10/24/2014	6/18/2015	28/ft^2	1.2 mill./ac	Huntington Silt Loam
Highland Rim	Springfield	10/27/2014	6/15/2015	28/ft^2	1.2 mill./ac	Dickson Silt Loam
Middle Tennessee	Spring Hill	11/3/2014	6/25/2015	28/ft^2	1.2 mill./ac	Maury Silt Loam
West Tennessee	Jackson	10/24/2014	6/12/2015	28/ft^2	1.2 mill./ac	Dexter Silt Loam
Milan	Milan	11/4/2014	6/12/2015	32/ft^2	1.4 mill./ac	Grenada Silt Loam
Agricenter International	Memphis	10/24/2014	6/17/2015	28/ft^2	1.2 mill./ac	Falaya Silt Loam
Plateau	Crossville	10/28/2014	6/23/2015	28/ft^2	1.2 mill./ac	Hendon Silt Loam

Table 2. Mean yields† of 96 soft red winter wheat varieties evaluated at six locations in Tennessee during 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=7)‡	Knoxville 10/24/14	Crossville 10/28/15	Springfield 10/27/14	Spring Hill 11/3/15	Jackson 10/24/14	Milan 11/4/14	Memphis 10/24/14
		----------bu/a----------							
Pioneer	XW13W	75 ± 2	77	40	80	77	62	82	108
Terral	TV8848	75 ± 2	79	50	75	85	64	73	95
USG	3895	74 ± 2	81	44	82	75	60	73	102
TN Exp.	TN 1501	73 ± 2	76	51	70	93	52	77	94
Beck's Hybrids	Beck EX 5307	73 ± 2	85	37	75	78	59	81	97
Cache River Valley Seed	Dixie DXEX 15-2	73 ± 2	82	45	82	79	53	74	95
Cache River Valley Seed	Dixie Xtreme	73 ± 2	80	38	79	80	58	74	100
Delta Grow	2700	72 ± 2	86	37	67	77	60	83	96
Dyna-Gro	9223	72 ± 2	79	38	72	75	62	72	105
Armor	ARX1327	71 ± 2	83	39	74	80	60	68	95
USG	3756	71 ± 2	77	54	76	68	58	83	85
USG	3404	71 ± 2	74	46	65	74	60	87	94
Warren Seed	McKenna 325	71 ± 2	89	49	53	76	69	81	82
Dyna-Gro	9522	71 ± 2	84	27	80	70	61	73	102
Pioneer	26R10	71 ± 2	78	32	73	79	58	76	102
Armor	ARX1325	71 ± 2	82	40	75	73	59	73	95
Cache River Valley Seed	Dixie DXEX 15-1	71 ± 2	83	39	66	72	56	74	107
Croplan by Winfield	9101	71 ± 2	76	39	65	77	57	77	105
Croplan by Winfield	SRW 9415	71 ± 2	77	40	70	83	58	80	89
VA Exp.	Hilliard	71 ± 2	69	53	72	71	59	73	100
USG	3438	71 ± 2	79	50	70	76	58	65	97
Steyer	Hunker	71 ± 2	82	41	78	79	55	72	87
USG	3013	71 ± 2	80	52	70	67	57	72	96
Dyna-Gro	WX15733	70 ± 2	75	50	73	70	54	76	96
Armor	Octane	70 ± 2	78	35	74	77	57	68	103
Warren Seed	McKay 110	70 ± 2	84	42	66	63	57	73	106
Steyer Seeds	STex145	70 ± 2	82	37	76	71	55	76	94
USG	3833	70 ± 2	78	45	66	85	56	65	97
Progeny	357	70 ± 2	76	47	73	73	55	73	93
Progeny	870	70 ± 2	73	42	69	81	59	71	95
AgriPro/Coker (Syngenta)	SY Harrison	70 ± 2	78	44	77	79	52	69	90
KWS Cereals USA	KWS026	70 ± 2	78	44	77	78	62	73	76
AR Exp.	AR01040-4-1	70 ± 2	66	53	70	82	55	71	91

(continued)

Table 2. Mean yields† of 96 soft red winter wheat varieties evaluated at six locations in Tennessee during 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=7)‡	Knoxville 10/24/14	Crossville 10/28/15	Springfield 10/27/14	Spring Hill 11/3/15	Jackson 10/24/14	Milan 11/4/14	Memphis 10/24/14
KWS Cereals USA	KWS023	70 ± 2	76	34	74	77	61	74	92
Warren Seed	McKay 120	69 ± 2	85	37	57	77	63	67	100
Steyer Seeds	STex142	69 ± 2	74	53	72	64	57	78	87
Armor	ARX1332	69 ± 2	77	39	75	69	58	70	96
Beck's Hybrids	Beck EX 5401	69 ± 2	74	23	84	79	56	83	83
Pioneer	XW13T	69 ± 2	82	30	83	70	63	72	83
USG	3251	69 ± 2	77	50	71	79	55	68	85
Terral	TV8861	69 ± 2	79	39	78	70	57	74	84
Warren Seed	McKenna 315	69 ± 2	86	47	61	70	53	71	94
Pioneer	25R40	69 ± 2	79	27	74	73	63	77	88
Dyna-Gro	9171	69 ± 2	76	46	68	71	59	69	91
Beck's Hybrids	120	69 ± 2	79	36	72	72	59	75	88
Cache River Valley Seed	Dixie McAlister	68 ± 2	78	40	62	78	56	72	92
TN Exp.	TN 1502	68 ± 2	73	50	78	75	53	74	77
Pioneer	26R41	68 ± 2	73	35	62	78	60	70	100
Tennessee Farmers Co-Op	FFR 2366	68 ± 2	74	49	64	78	52	70	89
Cache River Valley Seed	Dixie Kelsey	68 ± 2	72	37	61	67	56	74	110
Pioneer	26R53	68 ± 2	76	39	66	70	54	80	92
TN Exp.	TN 1504	68 ± 2	77	49	78	81	50	69	73
Progeny	PGX 13-6	68 ± 2	83	40	65	75	57	71	86
Armor	ARX1418	68 ± 2	75	44	76	68	56	75	81
Steyer Seeds	Morrin	68 ± 2	77	43	74	69	56	66	91
Armor	ARX1413	68 ± 2	82	33	75	77	62	76	70
USG	3225	68 ± 2	69	51	65	77	49	74	88
Stratton Seed	GO 2058	68 ± 2	76	39	71	64	58	70	95
USG	3523	67 ± 2	72	35	69	76	57	70	91
MO	Milton	67 ± 2	66	50	66	76	56	62	95
Armor	Rumble	67 ± 2	73	40	76	65	56	73	87
AR Exp.	AR00343-5-1	67 ± 2	66	52	69	71	53	72	87
KY Exp.	KY03C-1237-10	67 ± 2	68	52	66	76	57	72	77
TN Exp.	TN 1201	67 ± 2	71	55	72	69	54	76	70
Dyna-Gro	9591	67 ± 2	75	33	67	75	54	76	87
Beck's Hybrids	Beck EX 5315	67 ± 2	78	26	74	71	57	73	88

(continued)

Table 2. Mean yields† of 96 soft red winter wheat varieties evaluated at six locations in Tennessee during 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=7)‡	Knoxville 10/24/14	Crossville 10/28/14	Springfield 10/27/14	Spring Hill 11/3/15	Jackson 10/24/14	Milan 11/4/14	Memphis 10/24/14
		bu/a							
Limagrain Cereal Seeds	LCS 0215	67 ± 2	67	50	77	68	57	76	73
Kentucky Small Grain Growers Assoc.	KY03C-1002-32	67 ± 2	72	43	71	77	57	77	71
Stratton Seed	GO 2056	67 ± 2	70	41	65	69	57	70	92
Croplan by Winfield	9203	66 ± 2	81	44	74	68	55	66	75
Beck's Hybrids	125	66 ± 2	75	34	61	76	55	77	86
Cache River Valley Seed	DXEX 13-3	66 ± 2	75	37	65	74	46	71	96
Armor	Havoc	66 ± 2	78	41	70	60	54	79	81
Croplan by Winfield	SRW 9434	66 ± 2	70	39	66	71	57	69	90
Tennessee Farmers Co-Op	FFR 2407	66 ± 2	79	39	67	72	51	68	87
Stratton Seed	GO 2057	66 ± 2	72	46	61	64	54	76	90
Pioneer	25R32	65 ± 2	70	35	57	79	54	71	92
AR Exp.	ARGA04510-11LE24	65 ± 2	68	38	76	70	52	70	82
KWS Cereals USA	KWS028	65 ± 2	79	60	74	64	50	61	65
Limagrain Cereal Seeds	LCS 2141	64 ± 2	71	47	65	68	48	78	74
Dyna-Gro	9012	64 ± 2	73	42	53	62	57	77	86
Limagrain Cereal Seeds	LCS NEWS	64 ± 2	66	47	64	64	53	74	80
Dyna-Gro	WX14611	64 ± 2	75	39	62	72	56	69	76
VA Exp.	VA11W-230	64 ± 2	65	52	58	60	48	76	86
Progeny	117	64 ± 2	71	42	81	63	51	73	65
GA Exp.	GA-03564-12E6	63 ± 2	59	49	69	74	47	67	77
TN Exp.	TN 1503	63 ± 2	75	40	72	72	50	71	62
GA Exp.	GA-04434-12LE28	63 ± 2	63	34	66	73	45	66	93
TN Exp.	TN 1505	63 ± 2	70	46	68	66	48	68	75
Progeny	410	63 ± 2	69	40	77	76	47	69	60
USG	3120	62 ± 2	67	45	60	76	45	62	81
TN Exp.	TN 1102	62 ± 2	72	49	59	71	54	73	58
VA Exp.	VA10W-21	62 ± 2	72	43	62	74	47	68	66
MO	Bess	61 ± 2	64	44	73	68	41	71	67
KY Exp.	KY03C-1237-05	61 ± 2	61	47	61	83	46	67	65
GA Exp.	GA-04417-12E33	61 ± 2	63	38	63	65	50	66	79
Average (bu/a)		**68**	**75**	**42**	**70**	**73**	**55**	**73**	**87**
L.S.D.$_{.05}$ (bu/a)		**4**	**8**	**12**	**12**	**14**	**7**	**10**	**16**
C.V. (%)		**10.6**	**6.3**	**17.9**	**10.8**	**11.5**	**7.8**	**8.4**	**11.1**

† All yields are adjusted to 13.5% moisture.

‡ n = number of environments

§ Planting date

Table 3. Mean yields† and agronomic characteristics of 96 soft red winter wheat varieties evaluated at six locations in Tennessee during 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=7)‡	Moisture (n=7)	Test Weight# (n=2)	Maturity (n=5)	Height (n=6)	Lodging (n=1)	Protein* (n=1)
		bu/a	%	lbs/bu	DAP	in.	Score	%
Pioneer	XW13W	75 ± 2	14.0	60.7	211	34	2.7	8.1
Terral	TV8848	75 ± 2	14.0	59.3	210	34	2.3	8.6
USG	3895	74 ± 2	13.6	59.1	211	32	2.3	8.5
TN Exp.	TN 1501	73 ± 2	13.5	53.3	209	34	4	8.6
Beck's Hybrids	Beck EX 5307	73 ± 2	13.6	60.3	211	33	3	8.1
Cache River Valley Seed	Dixie DXEX 15-2	73 ± 2	13.3	59.1	211	32	2	8
Cache River Valley Seed	Dixie Xtreme	73 ± 2	14.7	58.2	211	34	2.3	8.4
Delta Grow	2700	72 ± 2	13.9	60.3	210	33	2.7	7.7
Dyna-Gro	9223	72 ± 2	13.9	56.9	211	35	2.3	8.4
Armor	ARX1327	71 ± 2	14.2	60.3	211	32	1.7	8.2
USG	3756	71 ± 2	13.7	58.9	209	35	2.3	9.1
USG	3404	71 ± 2	13.4	59.2	211	33	2.3	8
Warren Seed	McKenna 325	71 ± 2	13.5	58.9	211	33	2.3	8.5
Dyna-Gro	9522	71 ± 2	13.5	59.4	211	33	3	8
Pioneer	26R10	71 ± 2	13.8	59.0	211	33	2	8.5
Armor	ARX1325	71 ± 2	13.7	59.9	211	32	2.3	7.9
Cache River Valley Seed	Dixie DXEX 15-1	71 ± 2	13.8	59.0	211	33	2.7	8.1
Croplan by Winfield	9101	71 ± 2	13.9	58.8	209	33	3	8.6
Croplan by Winfield	SRW 9415	71 ± 2	13.7	59.3	211	32	3.3	8.1
VA Exp.	Hilliard	71 ± 2	14.0	59.1	211	35	1.7	8.9
USG	3438	71 ± 2	13.7	57.5	210	32	2.3	8.4
Steyer	Hunker	71 ± 2	13.8	56.6	211	35	3.3	8.6
USG	3013	71 ± 2	13.8	55.8	212	34	2.3	8.3
Dyna-Gro	WX15733	70 ± 2	13.3	57.0	210	32	3	8.6
Armor	Octane	70 ± 2	14.1	57.8	211	34	2	9
Warren Seed	McKay 110	70 ± 2	13.8	59.1	211	34	2	8.3
Steyer Seeds	STex145	70 ± 2	13.7	60.0	211	33	3	8.2
USG	3833	70 ± 2	14.0	56.8	212	34	1.7	8.8
Progeny	357	70 ± 2	13.5	57.8	211	33	3	8.1
Progeny	870	70 ± 2	13.3	57.7	210	32	2.7	8.3
AgriPro/Coker (Syngenta)	SY Harrison	70 ± 2	13.8	58.4	211	32	1.7	8.5
KWS Cereals USA	KWS026	70 ± 2	14.2	60.4	210	34	2.3	8.4
AR Exp.	AR01040-4-1	70 ± 2	13.7	58.1	212	38	2.3	9

(continued)

Table 3. Mean yields† and agronomic characteristics of 96 soft red winter wheat varieties evaluated at six locations in Tennessee during 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=7)‡	Moisture (n=7)	Test Weight# (n=2)	Maturity (n=5)	Height (n=6)	Lodging (n=1)	Protein* (n=1)
		bu/a	%	lbs/bu	DAP	in.	Score	%
KWS Cereals USA	KWS023	70 ± 2	14.4	58.5	211	36	2.3	8.5
Warren Seed	McKay 120	69 ± 2	13.7	59.4	211	33	2.3	8.1
Steyer Seeds	STex142	69 ± 2	13.4	58.6	210	35	2.3	8.6
Armor	ARX1332	69 ± 2	14.0	60.6	210	30	2	8.7
Beck's Hybrids	Beck EX 5401	69 ± 2	13.6	59.9	211	33	2.7	8.6
Pioneer	XW13T	69 ± 2	13.9	56.5	211	30	2.3	8.5
USG	3251	69 ± 2	13.5	58.5	211	34	3.3	8.4
Terral	TV8861	69 ± 2	14.0	60.4	211	33	2.3	8.5
Warren Seed	McKenna 315	69 ± 2	13.4	57.4	211	31	3.3	8.1
Pioneer	25R40	69 ± 2	13.6	60.8	210	32	2.3	8.5
Dyna-Gro	9171	69 ± 2	13.3	57.7	210	32	2.3	8.5
Beck's Hybrids	120	69 ± 2	13.4	58.0	210	32	2.7	8.4
Cache River Valley Seed	Dixie McAlister	68 ± 2	13.2	58.0	210	32	3	8.2
TN Exp.	TN 1502	68 ± 2	13.4	57.7	210	35	3.7	8.7
Pioneer	26R41	68 ± 2	13.6	59.0	210	32	2.3	8.7
Tennessee Farmers Co-Op	FFR 2366	68 ± 2	14.3	58.9	211	32	2.3	8.6
Cache River Valley Seed	Dixie Kelsey	68 ± 2	13.6	60.8	210	32	3	9
Pioneer	26R53	68 ± 2	13.9	55.4	210	31	3	8.8
TN Exp.	TN 1504	68 ± 2	13.7	57.1	209	34	3.7	8.7
Progeny	PGX 13-6	68 ± 2	13.7	59.7	211	33	2.3	8.1
Armor	ARX1418	68 ± 2	13.6	58.1	210	34	3	8.3
Steyer Seeds	Morrin	68 ± 2	14.0	56.6	212	34	2.3	9.1
Armor	ARX1413	68 ± 2	14.0	59.5	211	34	2.3	8.8
USG	3225	68 ± 2	13.2	56.9	208	31	1.7	8.1
Stratton Seed	GO 2058	68 ± 2	13.5	59.2	211	30	2.7	8.6
USG	3523	67 ± 2	14.0	58.4	211	32	2.3	8.6
MO	Milton	67 ± 2	13.7	59.9	210	34	3.7	9
Armor	Rumble	67 ± 2	13.9	59.3	211	34	3.7	8.3
AR Exp.	AR00343-5-1	67 ± 2	14.2	57.7	212	37	2.7	10.1
KY Exp.	KY03C-1237-10	67 ± 2	13.7	60.2	210	33	2.7	9.8
TN Exp.	TN 1201	67 ± 2	13.5	60.5	210	32	3	9.5
Dyna-Gro	9591	67 ± 2	13.7	60.9	210	34	3	8.8
Beck's Hybrids	Beck EX 5315	67 ± 2	13.5	58.7	210	34	1.7	8.8

(continued)

Table 3. Mean yields† and agronomic characteristics of 96 soft red winter wheat varieties evaluated at six locations in Tennessee during 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=7)‡	Moisture (n=7)	Test Weight# (n=2)	Maturity (n=5)	Height (n=6)	Lodging (n=1)	Protein* (n=1)
		bu/a	%	lbs/bu	DAP	in.	Score	%
Limagrain Cereal Seeds	LCS 0215	67 ± 2	13.7	59.3	211	34	3.7	9
Kentucky Small Grain Growers Assoc.	KY03C-1002-32	67 ± 2	13.8	58.9	209	32	3	9.2
Stratton Seed	GO 2056	67 ± 2	13.1	57.5	210	32	1.7	8.1
Croplan by Winfield	9203	66 ± 2	14.0	58.6	211	34	2	8.8
Beck's Hybrids	125	66 ± 2	13.8	59.0	210	33	2.7	8.6
Cache River Valley Seed	DXEX 13-3	66 ± 2	14.2	61.6	211	34	1.7	8.5
Armor	Havoc	66 ± 2	13.6	59.1	209	32	2.7	8.7
Croplan by Winfield	SRW 9434	66 ± 2	13.9	56.6	211	34	1.7	9.2
Tennessee Farmers Co-Op	FFR 2407	66 ± 2	14.0	59.0	211	31	2.7	8.4
Stratton Seed	GO 2057	66 ± 2	13.1	59.5	211	33	2.3	8.7
Pioneer	25R32	65 ± 2	13.7	59.5	215	33	2.3	9
AR Exp.	ARGA04510-11LE24	65 ± 2	13.5	58.2	211	34	2	9.1
KWS Cereals USA	KWS028	65 ± 2	14.0	58.2	211	36	3.7	8.7
Limagrain Cereal Seeds	LCS 2141	64 ± 2	13.8	57.8	209	33	1.7	8.5
Dyna-Gro	9012	64 ± 2	13.9	61.2	210	32	2.7	9.1
Limagrain Cereal Seeds	LCS NEWS	64 ± 2	14.5	59.9	210	33	3.3	8.7
Dyna-Gro	WX14611	64 ± 2	13.3	56.9	209	34	3.3	9
VA Exp.	VA11W-230	64 ± 2	13.5	61.2	209	33	2.7	8.8
Progeny	117	64 ± 2	13.7	58.9	211	36	3.7	8.5
GA Exp.	GA-03564-12E6	63 ± 2	13.7	57.7	211	32	2.7	9.1
TN Exp.	TN 1503	63 ± 2	13.4	55.0	209	33	2.3	8.3
GA Exp.	GA-04434-12LE28	63 ± 2	14.1	55.9	211	32	2.3	9.4
TN Exp.	TN 1505	63 ± 2	13.4	59.6	210	33	2.7	10
Progeny	410	63 ± 2	13.9	57.6	212	36	2.7	8.5
USG	3120	62 ± 2	13.4	56.8	210	35	3	8.5
TN Exp.	TN 1102	62 ± 2	13.6	55.1	209	34	3.7	8.3
VA Exp.	VA10W-21	62 ± 2	13.6	57.1	209	32	2	8.5
MO	Bess	61 ± 2	14.0	58.3	210	35	4.3	9
KY Exp.	KY03C-1237-05	61 ± 2	14.4	60.0	212	33	2.7	9.5
GA Exp.	GA-04417-12E33	61 ± 2	13.6	57.6	210	33	4	8.7
	Average	**68**	**13.7**	**58.6**	**211**	**33**	**2.6**	**8.6**

† All yields are adjusted to 13.5% moisture.

‡ n = number of environments

Official test weight of No. 2 wheat = 58 lbs/bu.

Maturity (DAP) = Days after planting

Lodging = 1 to 5 scale; where 1 = 95% of plants erect; 2.5 = ~50% of plants leaning at angle ≥ 45°; 5 = 95+% of plants leaning at an angle ≥ 45°.

* Protein on dry weight basis.

Table 4. Yields† of 24 soft red winter wheat varieties evaluated in 9 County Standard Test in Tennessee during 2015.

MS	Brand/Variety	Avg. Yield‡	Moisture	Test Weight#	Dyer	⊢ Fayette	Gibson	Henry	Lake	Madison	Moore	Tipton	Weakley
		bu/a	%	lbs/bu	*10/27/14* §	*11/4/14*	*11/4/14*	*10/23/14*	*10/23/14*	*11/3/14*	*11/7/14*	*10/31/14*	*10/21/14*
A	Dyna-Gro 9522 (N)	77.8	13.3	59.3	113	60	90	65	72	104	73	49	74
AB	*Terral 8848	75.3	13.9	59.2	106	73	90	74	64	73	78	42	79
ABC	Armor ARX1325 (N)	74.3	13.6	58.8	114	72	87	50	59	71	97	42	78
ABC	Warren Seed McKay 120(N)	74.2	13.4	58.6	110	65	90	57	71	59	88	57	71
ABC	Dyna-Gro 9591 (N)	74.2	13.3	59.9	111	68	85	68	67	66	85	39	79
ABC	Armor ARX1327 (N)	74.1	13.6	58.6	110	59	85	72	73	69	71	55	73
ABC	*Armor Havoc	73.7	13.3	58.7	110	75	81	73	54	83	69	46	74
ABC	*USG 3013	73.5	13.2	58.3	104	NA	92	72	75	61	88	42	71
ABC	USG 3404 (N)	73.3	13.5	58.0	112	43	91	72	64	63	83	49	83
ABCD	Winfield SRW 9434 (N)	72.9	13.9	58.2	114	NA	85	60	74	69	86	45	66
ABCD	Winfield SRW 9415 (N)	72.7	13.5	59.1	117	41	88	69	52	64	86	57	80
ABCD	**AgriPro/Coker SYHarrison	72.4	13.6	58.0	112	42	90	72	65	61	94	45	71
ABCD	***Dyna-Gro 9171	71.5	13.5	57.4	105	62	83	56	73	90	70	33	72
ABCD	*Warren Seed McKenna 315	71.5	13.2	57.9	107	67	85	68	75	58	78	34	72
ABCD	*Progeny 357	70.9	13.2	57.2	97	47	93	63	77	70	87	39	66
ABCD	Winfield 9203	70.5	13.0	58.4	103	NA	82	59	65	77	76	44	74
ABCD	*Warren Seed McKenna 325	70.5	13.2	58.6	122	47	92	43	77	61	72	37	82
ABCD	*Warren Seed McKay 110	70.2	13.8	58.6	104	59	86	66	66	58	87	32	76
ABCD	**Dyna-Gro 9223	70.1	13.4	58.1	105	NA	93	42	74	66	79	46	72
BCD	Terral 8861	69.6	13.4	58.4	110	45	87	56	66	64	79	46	73
BCD	Becks 125	69.5	13.1	59.9	112	43	80	62	69	64	77	42	78
BCD	Progeny 870	69.2	13.3	58.6	111	37	87	68	54	66	86	39	75
CD	Becks 120	67.4	13.7	58.3	109	55	88	59	56	58	68	34	81
D	Becks 88 (N)	65.2	13.2	59.4	109	NA	83	59	64	55	71	26	71
	Average	**71.9**	**13.4**	**58.6**	**109.5**	**55.8**	**87.1**	**62.6**	**66.9**	**67.9**	**80.3**	**42.5**	**74.5**

MS=Varieties that have any MS letter in common are not statistically different in yield at the 5% level of probability.

Varieties denoted with an asterisk (*), (**), or (***) were in the top performing group in 2015 and 2014, 2015- 2013, or 2015-2012, respectively.

(N) denotes this variety is new to the the UT CST test

‡ Yields have been adjusted to 13.5% moisture. Each variety was evaluated in a large strip-plot at each location, thus each county test was considered as one replication of the test in calculating the average yield and in conducting the statistical analysis to determine significant differences (MS)

§ Planting date

#Official test weight of No. 2 wheat=58 lbs/bu. TWT = Avg. Test Wt. lbs./bu @ 9 locations.

⊢Fayette Co. Awnless Wheat varieties (NA) had severe deer damage. Avg. Yield calculated using 19 varieties.

County locations include: Dyer, Fayette, Gibson, Henry, Lake, Madison, Moore, Tipton and Weakley.

Data provided by Ryan Blair, Ext. Area Specialist, Grain Crops, and extension agents in counties shown above.

Table 5. Average yields† , moistures, and test weights of 23 soft red winter wheat varieties that were in common to both the County Standard (CST) Tests (n=9) and the Research and Education Center (REC) Tests (n=7) in Tennessee during 2015.

		Averages of CST & REC Tests			County Standard Tests			R E C Tests		
Brand	**Variety**	**Avg. Yield**	**Moisture**	**Test Weight‡**	**Avg. Yield**	**Moisture**	**Test Weight**	**Avg. Yield**	**Moisture**	**Test Weight**
					bu/a	%	lbs/bu	bu/a	%	lbs/bu
Terral	TV8848	75	14.0	59.3	75	13.9	59.2	75	14.0	59.3
Dyna-Gro	9522	74	13.4	59.4	78	13.3	59.3	71	13.5	59.4
Armor	ARX1325	73	13.7	59.4	74	13.6	58.8	71	13.7	59.9
Armor	ARX1327	73	13.9	59.5	74	13.6	58.6	71	14.2	60.3
UniSouth Genetics	USG 3013	72	13.5	57.1	74	13.2	58.3	71	13.8	55.8
UniSouth Genetics	USG 3404	72	13.5	58.6	73	13.5	58.0	71	13.4	59.2
Croplan by Winfield	SRW 9415	72	13.6	59.2	73	13.5	59.1	71	13.7	59.3
Warren Seed	McKay 120	72	13.6	59.0	74	13.4	58.6	69	13.7	59.4
AgriPro/Coker (Syngenta)	SY Harrison	71	13.7	58.2	72	13.6	58.0	70	13.8	58.4
Dyna-Gro	9223	71	13.7	57.5	70	13.4	58.1	72	13.9	56.9
Warren Seed	McKenna 325	71	13.4	58.8	71	13.2	58.6	71	13.5	58.9
Dyna-Gro	9591	71	13.5	60.4	74	13.3	59.9	67	13.7	60.9
Progeny	357	70	13.4	57.5	71	13.2	57.2	70	13.5	57.8
Dyna-Gro	9171	70	13.4	57.6	72	13.5	57.4	69	13.3	57.7
Warren Seed	McKenna 315	70	13.3	57.7	72	13.2	57.9	69	13.4	57.4
Warren Seed	McKay 110	70	13.8	58.9	70	13.8	58.6	70	13.8	59.1
Armor	Havoc	70	13.5	58.9	74	13.3	58.7	66	13.6	59.1
Progeny	870	70	13.3	58.2	69	13.3	58.6	70	13.3	57.7
Croplan by Winfield	SRW 9434	69	13.9	57.4	73	13.9	58.2	66	13.9	56.6
Terral	TV8861	69	13.7	59.4	70	13.4	58.4	69	14.0	60.4
Croplan by Winfield	9203	68	13.5	58.5	71	13.0	58.4	66	14.0	58.6
Beck's Hybrids	120	68	13.6	58.2	67	13.7	58.3	69	13.4	58.0
Beck's Hybrids	125	68	13.5	59.5	70	13.1	59.9	66	13.8	59.0
Average		**71**	**13.6**	**58.6**	**72**	**13.4**	**58.5**	**70**	**13.7**	**58.7**

† All yields are adjusted to 13.5% moisture.

‡ Official test weight of No. 2 wheat = 58 lbs/bu.

Table 6. Mean yields† of 42 soft red winter wheat varieties evaluated at six locations (n=12) in Tennessee for two years, 2014 and 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=12)‡	Knoxville	Springfield	Spring Hill	Jackson	Milan	Memphis
			---bu/a---					
Armor	ARX1327	77 ± 1	84	78	66	73	70	91
USG	3404	77 ± 1	83	73	60	71	84	90
Terral	TV8848	76 ± 1	81	74	68	70	74	88
Armor	ARX1325	75 ± 1	85	77	64	66	73	87
Steyer	Hunker	75 ± 1	86	79	57	68	76	85
Croplan by Winfield	SRW 9415	75 ± 1	83	77	66	66	76	81
Cache River Valley Seed	Dixie Xtreme	74 ± 1	84	75	62	65	72	88
Tennessee Farmers Co-Op	FFR 2407	74 ± 1	82	77	59	67	73	87
Warren Seed	McKay 110	74 ± 1	81	72	56	65	76	94
Pioneer	26R41	74 ± 1	78	67	62	73	72	91
Pioneer	26R10	73 ± 1	79	70	63	65	76	87
USG	3013	73 ± 1	86	74	58	60	78	84
Progeny	357	73 ± 1	80	73	61	61	72	90
Cache River Valley Seed	DXEX 13-3	73 ± 1	80	71	65	63	71	87
AgriPro/Coker (Syngenta)	SY Harrison	73 ± 1	78	77	63	62	74	82
Croplan by Winfield	9101	73 ± 1	81	68	59	66	74	87
Beck's Hybrids	120	72 ± 1	82	74	56	64	76	82
USG	3438	72 ± 1	80	71	58	65	71	89
Terral	TV8861	72 ± 1	83	76	55	68	72	79
Dyna-Gro	9223	72 ± 1	79	74	57	66	70	86
Pioneer	25R40	72 ± 1	78	71	58	67	73	83
Armor	ARX1332	72 ± 1	80	71	60	63	70	87
Dyna-Gro	9171	71 ± 1	77	70	59	71	70	82
Beck's Hybrids	125	71 ± 1	80	60	60	63	76	90
USG	3251	71 ± 1	81	68	64	64	71	81
Progeny	870	71 ± 1	76	72	61	68	68	81
Armor	Havoc	71 ± 1	77	67	53	66	78	85
Pioneer	26R53	71 ± 1	74	73	55	64	74	86
Cache River Valley Seed	Dixie McAlister	71 ± 1	83	67	61	64	69	81
Armor	Octane	70 ± 1	83	67	60	53	69	87
Croplan by Winfield	9203	69 ± 1	81	78	58	63	68	66
USG	3833	69 ± 1	81	60	62	59	69	83
Pioneer	25R32	69 ± 1	73	60	59	69	69	83

(continued)

Table 6. Mean yields† of 42 soft red winter wheat varieties evaluated at six locations (n=12) in Tennessee for two years, 2014 and 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=12)‡	Knoxville	Springfield	Spring Hill	Jackson	Milan	Memphis
			----------	----------	bu/a	----------	----------	
Tennessee Farmers Co-Op	FFR 2366	69 ± 1	74	62	59	59	69	88
TN Exp.	TN 1201	69 ± 1	72	71	52	63	73	81
Dyna-Gro	9012	68 ± 1	75	59	50	68	75	83
Croplan by Winfield	SRW 9434	68 ± 1	79	60	61	53	69	87
Progeny	117	68 ± 1	75	78	50	64	72	67
USG	3120	67 ± 1	73	67	59	58	68	76
MO	Milton	67 ± 1	71	64	56	61	61	89
MO	Bess	64 ± 1	72	74	52	59	71	59
TN Exp.	TN 1102	62 ± 1	72	57	51	57	67	67
Average (bu/a)		**71**	**79**	**70**	**59**	**64**	**72**	**83**
L.S.D.$_{.05}$ (bu/a)		**4**	**7**	**11**	**12**	**10**	**10**	**15**
C.V. (%)		**10.5**	**6.0**	**11.0**	**13.4**	**10.1**	**8.8**	**12.4**

† All yields are adjusted to 13.5% moisture.

‡ n = number of environments

Table 7. Mean yields† and agronomic characteristics of 42 soft red winter wheat varieties evaluated at six locations (n=12) in Tennessee for two years, 2014 and 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=12)‡	Moisture (n=12)	Test Weight# (n=3)	Maturity (n=8)	Height (n=10)	Lodging (n=2)	Protein* (n=2)
		bu/a	%	lbs/bu	DAP	in.	Score	%
Armor	ARX1327	77 ± 1	14.4	58	211	32	1.2	8.3
USG	3404	77 ± 1	14.0	58	211	33	1.6	8.5
Terral	TV8848	76 ± 1	14.6	58	210	34	1.4	8.7
Armor	ARX1325	75 ± 1	14.2	58	210	32	1.6	8.4
Steyer	Hunker	75 ± 1	14.0	56	211	35	1.9	8.6
Croplan by Winfield	SRW 9415	75 ± 1	13.9	58	211	32	2	8.4
Cache River Valley Seed	Dixie Xtreme	74 ± 1	14.4	56	211	35	1.6	8.5
Tennessee Farmers Co-Op	FFR 2407	74 ± 1	14.1	57	211	32	1.6	8.5
Warren Seed	McKay 110	74 ± 1	14.4	57	211	34	1.6	8.6
Pioneer	26R41	74 ± 1	14.2	58	209	31	1.6	8.8
Pioneer	26R10	73 ± 1	14.5	57	210	33	1.4	8.7
USG	3013	73 ± 1	14.3	55	211	35	1.6	8.5
Progeny	357	73 ± 1	13.6	56	210	33	1.9	8.6
Cache River Valley Seed	DXEX 13-3	73 ± 1	14.7	59	211	34	1.4	8.8
AgriPro/Coker (Syngenta)	SY Harrison	73 ± 1	14.1	57	211	32	1.6	8.6
Croplan by Winfield	9101	73 ± 1	14.1	57	209	33	1.7	8.7
Beck's Hybrids	120	72 ± 1	13.5	56	210	31	1.6	8.6
USG	3438	72 ± 1	13.6	56	209	31	1.4	8.6
Terral	TV8861	72 ± 1	14.5	58	211	33	1.7	8.6
Dyna-Gro	9223	72 ± 1	14.2	56	211	35	1.7	8.4
Pioneer	25R40	72 ± 1	14.2	59	211	31	1.6	8.7
Armor	ARX1332	72 ± 1	14.1	58	209	30	1.4	8.9
Dyna-Gro	9171	71 ± 1	13.6	56	210	31	1.4	8.7
Beck's Hybrids	125	71 ± 1	14.1	57	209	33	1.6	8.7
USG	3251	71 ± 1	14.3	57	211	34	1.9	8.6
Progeny	870	71 ± 1	13.5	56	210	32	1.6	8.5
Armor	Havoc	71 ± 1	13.9	57	209	32	1.8	8.9
Pioneer	26R53	71 ± 1	14.4	55	210	31	1.9	9.1
Cache River Valley Seed	Dixie McAlister	71 ± 1	13.4	56	210	31	1.7	8.5
Armor	Octane	70 ± 1	14.5	56	211	34	1.3	8.9
Croplan by Winfield	9203	69 ± 1	14.5	58	211	34	1.3	8.7
USG	3833	69 ± 1	14.5	56	211	34	1.3	8.8
Pioneer	25R32	69 ± 1	14.4	58	213	33	1.7	9.1

(continued)

Table 7. Mean yields† and agronomic characteristics of 42 soft red winter wheat varieties evaluated at six locations (n=12) in Tennessee for two years, 2014 and 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=12)‡	Moisture (n=12)	Test Weight# (n=3)	Maturity (n=8)	Height (n=10)	Lodging (n=2)	Protein* (n=2)
		bu/a	%	lbs/bu	DAP	in.	Score	%
Tennessee Farmers Co-Op	FFR 2366	69 ± 1	14.1	57	211	32	1.6	8.9
TN Exp.	TN 1201	69 ± 1	13.7	58	210	33	2.2	9.3
Dyna-Gro	9012	68 ± 1	14.1	59	210	32	1.8	9.3
Croplan by Winfield	SRW 9434	68 ± 1	14.3	56	212	33	1.2	9.1
Progeny	117	68 ± 1	14.0	58	209	36	2.3	8.6
USG	3120	67 ± 1	14.2	57	210	35	1.7	8.7
MO	Milton	67 ± 1	13.9	58	210	34	1.9	9.3
MO	Bess	64 ± 1	14.5	58	210	36	2.4	8.9
TN Exp.	TN 1102	62 ± 1	13.7	54	209	34	2.1	8.6
	Average	**71**	**14.1**	**57**	**210**	**33.0**	**1.7**	**8.7**

† All yields are adjusted to 13.5% moisture.

‡ n = number of environments

Maturity (DAP) = Days after planting

Lodging = 1 to 5 scale; where 1 = 95% of plants erect; 2.5 = ~50% of plants leaning at angle ≥ 45°; 5 = 95+% of plants leaning at an angle ≥ 45°.

Table 8. Mean yields† of 33 soft red winter wheat varieties evaluated at five locations (n=15) in Tennessee for three years, 2013 - 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=15)‡	Springfield	Spring Hill	Jackson	Milan	Memphis
		----------bu/a----------					
Warren Seed	McKay 110	80 ± 1	79	69	85	85	80
USG	3251	77 ± 1	72	69	83	83	75
Terral	TV8848	76 ± 1	72	69	84	85	73
Armor	Havoc	76 ± 1	67	72	80	84	79
Progeny	357	76 ± 1	70	66	86	78	80
Pioneer	26R10	75 ± 1	68	71	85	81	70
Syngenta	SY Harrison	75 ± 1	71	64	83	84	73
Armor	Rampage	75 ± 1	76	61	85	83	70
Terral	TV8861	74 ± 1	78	59	79	81	75
Pioneer	26R41	74 ± 1	67	63	83	83	74
TN Exp.	TN 1201	74 ± 1	76	57	81	79	75
USG	3438	74 ± 1	72	61	82	81	72
Pioneer	26R53	73 ± 1	71	63	81	79	73
USG	3120	73 ± 1	74	61	79	83	70
Pioneer	26R20	73 ± 1	68	66	82	83	68
Terral	TV8535	73 ± 1	67	59	82	82	76
USG	3201	73 ± 1	67	61	83	81	74
Dyna-Gro	9171	73 ± 1	70	60	85	79	70
TN Exp.	TN 1102	73 ± 1	76	61	76	78	71
Dyna-Gro	9223	72 ± 1	76	62	81	79	64
Progeny	870	72 ± 1	70	60	80	77	72
Delta Grow	7500	72 ± 1	67	59	81	80	72
MO	Milton	72 ± 1	68	66	81	75	69
Dyna-Gro	9012	71 ± 1	65	58	82	79	71
Terral	TV8525	71 ± 1	67	60	81	77	69
Pioneer	25R32	70 ± 1	67	62	81	77	65
Dyna-Gro	Yorktown	70 ± 1	70	62	78	75	64
Cache River Valley Seed	Dixie McAlister	70 ± 1	67	59	80	77	67
TN Exp.	TN 1202	69 ± 1	79	55	74	72	64
Progeny	185	69 ± 1	70	57	72	78	67
MO	Bess	69 ± 1	74	54	82	73	59
VA	Jamestown	68 ± 1	66	55	75	74	70
Progeny	117	67 ± 1	75	52	80	75	55
Average (bu/a)		**73**	**71**	**62**	**81**	**79**	**70**
L.S.D.$_{.05}$ (bu/a)		**4**	**10**	**11**	**10**	**9**	**11**
C.V. (%)		**9.9**	**9.8**	**12.3**	**8.8**	**8.0**	**11.1**

† All yields are adjusted to 13.5% moisture.

‡ n = number of environments

Table 9. Mean yields† and agronomic characteristics of 33 soft red winter wheat varieties evaluated at five locations (n=15) for three years, 2013 - 2015.

Brand	Variety	Avg. Yield ± Std Err. (n=15)‡	Moisture (n=15)	Maturity (n=9)	Height (n=13)	Lodging (n=4)
		bu/a	%	DAP	in.	Score
Warren Seed	McKay 110	80 ± 1	14.2	213	34	1.2
USG	3251	77 ± 1	13.7	213	34	1.3
Terral	TV8848	76 ± 1	14.3	212	34	1.3
Armor	Havoc	76 ± 1	13.7	209	33	1.8
Progeny	357	76 ± 1	13.1	212	32	1.8
Pioneer	26R10	75 ± 1	14.0	211	33	1.2
Syngenta	SY Harrison	75 ± 1	13.6	211	33	2.0
Armor	Rampage	75 ± 1	13.7	212	34	1.9
Terral	TV8861	74 ± 1	14.2	213	33	1.3
Pioneer	26R41	74 ± 1	13.9	210	32	1.2
TN Exp.	TN 1201	74 ± 1	13.4	213	34	2.2
USG	3438	74 ± 1	13.2	210	32	1.0
Pioneer	26R53	73 ± 1	13.9	210	31	1.2
USG	3120	73 ± 1	13.7	210	34	1.8
Pioneer	26R20	73 ± 1	13.9	212	34	1.8
Terral	TV8535	73 ± 1	13.1	211	31	1.0
USG	3201	73 ± 1	13.8	211	33	1.0
Dyna-Gro	9171	73 ± 1	13.5	211	32	1.0
TN Exp.	TN 1102	73 ± 1	13.4	210	33	2.0
Dyna-Gro	9223	72 ± 1	13.6	212	35	2.2
Progeny	870	72 ± 1	13.1	211	32	1.0
Delta Grow	7500	72 ± 1	13.6	212	32	1.6
MO	Milton	72 ± 1	13.6	210	34	1.0
Dyna-Gro	9012	71 ± 1	13.9	211	33	1.2
Terral	TV8525	71 ± 1	14.1	211	32	1.3
Pioneer	25R32	70 ± 1	13.8	211	34	2.0
Dyna-Gro	Yorktown	70 ± 1	13.9	211	32	1.3
Cache River Valley Seed	Dixie McAlister	70 ± 1	13.1	211	32	1.0
TN Exp.	TN 1202	69 ± 1	13.2	211	34	2.2
Progeny	185	69 ± 1	13.7	213	35	1.4
MO	Bess	69 ± 1	13.9	211	35	1.9
VA	Jamestown	68 ± 1	13.5	210	31	1.4
Progeny	117	67 ± 1	13.7	210	35	2.0
	Average	**73**	**13.7**	**211**	**33**	**1.5**

† All yields are adjusted to 13.5% moisture. ‡ n = number of environments

Maturity (DAP) = Days after planting

Lodging = 1 to 5 scale; where 1 = 95% of plants erect; 2.5 = ~50% of plants leaning at angle ≥ 45°; 5 = 95+% of plants leaning at an angle ≥ 45°.

Table 10. Contact information for wheat seed companies evaluated in yield tests in Tennessee during 2014-15.

Company	Contact	Phone	Email	Web site	Address
Armor Seed	Lane Dill	901-233-0274	lanedill@armorseed.com	www.armorseed.com	P.O. Box 9, Waldenburg, AR 72475
Beck's Hybrids		800-937-2325		www.beckshybrids.com	6767 E. 276th St., Atlana, IN 46031
Cache River Valley Seed	Ted Holt	870-477-5427	tedh@crvseed.com	www.crvseed.com	P.O. Box 10, 12470 Hwy 226 E., Cash, AR 72421
Croplan by Winfield				www.winfield.com/Farmer/Croplan	10515 115th St. NW, Thief River Falls, MN 56701
Delta Grow Seed	Lee Hughes	501-842-2572	leehughes19@hotmail.com	www.deltagrow.com	P O Box 219, England, AR 72046
Dyna-Gro	Dewain Riley Todd Theobald	731-223-9876 765-623-1382	dewain.riley@cpsagu.com todd.theobald@cpsagu.com	www.dynagroseed.com	6221 Riverside Dr., Suite 1N, Dublin, OH 43017
University of Georgia	Jerry Johnson	770-228-7345	jjohnson@griffin.uga.edu		UGA, Griffin Campus 1109 Experiment St. Griffin, GA 30223
Kentucky Small Grain Growers Assn.	Adam Andrews	502-974-1121	adam@kycorn.org		PO Box 90, Eastwood, KY 40018
Limagrain Cereal Seeds	Ken McClintock	309-569-0008	ken.mcclintock@limagrain.com	www.limagrain.com	257 E. Hail, Bushnell, IL 61422
University of Missouri	Mary Ann Quade	573-884-7333	quadem@missouri.edu moseed@aol.com		Missouri Crop Improvement 3211 Lemone Columbia, MO 65201
Pioneer Hi-Bred Int.	George Stabler	803-308-1003	george.stabler@pioneer.com	www.pioneer.com	59 Greif Parkway, Suite 200, Deleware, OH 43015
Progeny	Hillary Spain	870-208-6032		www.progenyag.com	1529 Hwy 193, Wynne, AR 72396
Steyer Seeds	Joe Steyer	800-231-4274	joesteyer@yahoo.com	www.steyerseeds.com	PO Box 209, Old Fort, OH 44861
Stratton Seed Company	Heath North	800-264-4433	hnorth@strattonseed.com	www.gostrattonseed.com	1530 Hwy 79, South Stuttgart AR 72160
Syngenta	Gary Moore	901-262-4958	gary.m.moore@syngenta.com	www.syngenta.com	7099 Parkbrook Ln., Cordova, TN 38018
Tennessee Farmers Co-Op	Bryan Johnson	615-793-8506	bjohnson@ourcoop.com	www.ourcoop.com	180 Old Nashville Hwy, LaVergne, TN 37086
Terral Seed Inc	Phil Michener Marty Hale	800-551-4852 662-822-8242 318-341-8814	pmichener@terralseed.com mhale@terralseed.com	www.terralseed.com	111 Ellington Dr., Rayville, LA 71269
University of Tennessee	Dennis West	865-974-8826	dwest3@utk.edu		3421 Joe Johnson Dr, Knoxville, TN 37996-4561

(continued)

Table 10. Contact information for wheat seed companies evaluated in yield tests in Tennessee during 2014-15.

Company	Contact	Phone	Email	Web site	Address
Unisouth Genetics (USG)	David Fandrich	931-967-3377	fandrichsupply@aol.com	www.usgseed.com	Fandrich Supply Co, Belvidere, TN
	Mark Huffstetler	731-235-2167	huffy1@crunet.com		Huffstetler & Sons Seed Inc, Greenfield, TN
	Trey Hurt	731-836-7574	hurtco@bellsouth.net		Hurt Seed Co. Inc, Halls, TN
	Wes Miller	731-536-6251	wes@obiongrain.com		Obion Grain Co. Inc, Obion, TN
	Billy Sellers	731-538-2990			Sellers Seed, Obion, TN
Virginia Crop Improvement	Tom Hardiman	804-746-4884	rmarkham@vt.edu	www.virginiacrop.org	Virginia Crop Improvement Assoc. 9225 Atlee Branch Lane Mechanicsville, VA 23116
Warren Seed	Lanny Warren	731-234-2921	lanny.warren@charter.net		P.O. Box 10, Woodland Mills, TN 38721