

**Wheat Tech, Inc.**  
**2009 Kentucky Double Crop Variety Trial**  
**Adairville, KY**

<b>Variety</b>	<b>Maturity</b>	<b>Yield bu/ac</b>		<b>TW lbs/bu</b>	<b>Lodging 0-10*</b>	<b>Height IN</b>
AgVenture 44X1RR	4.4	64.77	a	54.41	0.3	34
Asgrow AG 4703	4.7	62.13	ab	53.94	1.0	31
Pioneer 94Y20	4.2	60.61	abc	54.50	0.3	33
Croplan RC 4417RR	4.4	57.77	a-d	55.53	1.0	35
Asgrow AG 4605	4.6	57.63	a-d	53.91	0.5	30
Southern States RT 4760N	4.7	57.54	a-d	54.13	2.5	33
Crow's 4517R Brand	4.5	56.79	a-e	54.16	2.0	37
Southern States RT 4470N	4.4	55.97	b-f	54.16	0.0	31
Pioneer 94Y70	4.7	55.29	b-g	54.98	2.0	37
Asgrow AG 4907	4.9	52.35	c-h	54.21	3.8	38
Crow's 4817R Brand	4.8	52.14	c-h	54.54	1.3	30
Southern States RT 4808N	4.8	51.92	c-i	54.27	1.5	33
Atlas 5N477RR	4.7	51.81	c-i	54.36	1.0	31
Southern States RT 4370N	4.3	51.54	c-i	55.47	0.8	36
Atlas 5N441RR	4.4	51.52	c-i	54.43	0.0	31
Atlas 5N521RR	5.2	50.63	d-i	54.31	2.0	38
Pioneer 94Y90	4.9	49.93	d-i	54.71	3.5	36
Atlas 5N461RR	4.6	49.59	d-i	53.08	0.3	29
Southern States RT 4996N	4.9	49.57	d-i	54.14	3.8	35
Croplan RC 4757 RR/STS	4.7	49.48	d-i	53.05	0.5	29
Southern States RT 5160N	5.1	48.94	d-i	53.12	6.8	39
Dekalb DKB 46-51	4.6	48.63	d-i	54.46	1.8	33
Croplan RC 5007 RR/STS	5.0	47.37	e-i	53.80	6.0	37
Southern States RT 4451N	4.4	46.15	f-j	54.30	0.8	35
AgVenture 49X1RR	4.9	46.08	f-j	54.41	1.3	27
Croplan RC 4455 RR	4.4	45.49	g-j	54.09	1.3	37
Asgrow AG 4606	4.6	43.95	hij	53.35	0.5	33
Crow's 5015R Brand	5.0	42.94	hij	55.04	4.3	35
Croplan RC 4877 RR	4.8	41.99	ij	54.96	1.5	34
Croplan RC 4718S	4.7	38.69	j	53.64	1.3	30
LSD (P=.05)		5.516		0.6488	1.13	
Standard Deviation		3.9		0.4588	0.8	
CV		7.6		0.85	45.18	
<b>Mean</b>		<b>51.31</b>		<b>54.25</b>	<b>1.8</b>	<b>34</b>

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**Yield by Maturity**

**4.2-4.4**

<b>Variety</b>	<b>Maturity</b>	<b>Yield bu/ac</b>		<b>TW lbs/bu</b>	<b>Lodging 0-10*</b>	<b>Height IN</b>
AgVenture 44X1RR	4.4	64.77	a	54.41	0.3	34
Pioneer 94Y20	4.2	60.61	ab	54.50	0.3	33
Croplan RC 4417RR	4.4	57.77	abc	55.53	1.0	35
Southern States RT 4470N	4.4	55.97	bc	54.16	0.0	31
Southern States RT 4370N	4.3	51.54	cd	55.47	0.8	36
Atlas 5N441RR	4.4	51.52	cd	54.43	0.0	31
Southern States RT 4451N	4.4	46.15	d	54.30	0.8	35
Croplan RC 4455 RR	4.4	45.49	d	54.09	1.3	37
LSD (P=.05)		5.854		0.5332	0.75	
Standard Deviation		3.969		0.3615	0.51	
CV		7.32		0.66	95.51	
<b>Mean</b>		<b>54.23</b>		<b>54.61</b>	<b>0.6</b>	<b>34</b>

**4.5-4.7**

<b>Variety</b>	<b>Maturity</b>	<b>Yield bu/ac</b>		<b>TW lbs/bu</b>	<b>Lodging 0-10*</b>	<b>Height IN</b>
Asgrow AG 4703	4.7	62.13	a	53.94	1.0	31
Asgrow AG 4605	4.6	57.63	ab	53.91	0.5	30
Southern States RT 4760N	4.7	57.54	ab	54.13	2.5	33
Crow's 4517R Brand	4.5	56.79	ab	54.16	2.0	37
Pioneer 94Y70	4.7	55.29	bc	54.98	2.0	37
Atlas 5N477RR	4.7	51.81	bcd	54.36	1.0	31
Atlas 5N461RR	4.6	49.59	cde	53.08	0.3	29
Croplan RC 4757 RR/STS	4.7	49.48	cde	53.05	0.5	29
Dekalb DKB 46-51	4.6	48.63	de	54.46	1.8	33
Asgrow AG 4606	4.6	43.95	e	53.35	0.5	33
Croplan RC 4718S	4.7	38.69	f	53.64	1.3	30
LSD (P=.05)		4.56		0.7187	1.28	
Standard Deviation		3.158		0.4977	0.89	
CV		6.08		0.92	73.69	
<b>Mean</b>		<b>51.96</b>		<b>53.91</b>	<b>1.2</b>	<b>32</b>

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**Yield by Maturity**

**4.8-5.2**

<b>Variety</b>	<b>Maturity</b>	<b>Yield bu/ac</b>	<b>TW lbs/bu</b>	<b>Lodging 0-10*</b>	<b>Height IN</b>
Asgrow AG 4907	4.9	52.35 a	54.21	3.8	38
Crow's 4817R Brand	4.8	52.14 a	54.54	1.3	30
Southern States RT 4808N	4.8	51.92 a	54.27	1.5	33
Atlas 5N521RR	5.2	50.63 a	54.31	2.0	38
Pioneer 94Y90	4.9	49.93 a	54.71	3.5	36
Southern States RT 4996N	4.9	49.57 a	54.14	3.8	35
Southern States RT 5160N	5.1	48.94 a	53.12	6.8	39
Croplan RC 5007 RR/STS	5.0	47.37 a	53.80	6.0	37
AgVenture 49X1RR	4.9	46.08 a	54.41	1.3	27
Crow's 5015R Brand	5.0	42.94 a	55.04	4.3	35
Croplan RC 4877 RR	4.8	41.99 a	54.96	1.5	34
LSD (P=.05)		6.646	0.6649	1.27	
Standard Deviation		4.603	0.4605	0.88	
CV		9.48	0.85	27.16	
<b>Mean</b>		<b>48.53</b>	<b>54.32</b>	<b>3.3</b>	<b>35</b>

Planted: June 29, 2009

Harvested: November 13, 2009

\* - Lodging rating taken on a scale of 0 (none) – 10 (completely lodged) on November 13, 2009.