

**Wheat Tech, Inc.**  
**2009 - 2010 Kentucky Conventional Tillage Wheat Variety Trial**  
**Adairville, KY**

Variety	Fungicide Treated		Non-Fung. Treated		Fungicide			Height IN	Heading Date *	Leaf rust **	Leaf blotch **	Glume blotch ***	FHB Index % ****
	Yield bu/ac	TW lbs/bu	Yield bu/ac	TW lbs/bu	Response bu/ac								
Armor ARX 9304	84.93	a	56.67	81.18	a	56.32	3.75	30	5.3	0	3	0	10.88
Pioneer 25R32	80.88	ab	57.15	74.91	b	57.15	5.97	34	5.6	0	6	0	26.25
Beck 113	79.00	abc	56.48	73.02	bcd	55.27	5.98	32	5.1	0	7	3	9.00
Dyna Gro 9911	77.23	a-d	58.28	73.13	bcd	57.92	4.10	33	5.3	0	5	0	22.75
Dyna Gro 9012	76.42	a-e	56.64	73.54	bc	56.41	2.88	33	5.4	1	4	0	24.00
Dyna Gro V9710	75.48	b-f	56.10	73.10	bcd	55.00	2.38	29	4.29	0	9	2	30.00
Dixie 454	73.87	b-g	58.11	69.60	b-f	57.28	4.27	34	5.4	0	5	1	15.63
KAS 5058	73.59	b-h	57.89	69.15	b-g	57.41	4.44	34	5.3	0	7	0	14.25
KAS 1200	73.03	b-i	54.95	71.30	bcd	55.20	1.73	32	5.1	0	5	0	33.00
Progeny 117	71.52	b-j	57.77	63.24	d-m	56.77	8.28	35	5.1	0	9	1	45.38
Beck 135	71.38	b-k	54.88	71.82	bcd	54.56	-0.44	35	5.5	0	4	0	20.63
Beck 87	70.70	b-l	57.76	66.52	b-k	59.48	4.18	33	4.26	0	7	0	31.00
Dixie 907	69.78	c-l	55.58	67.27	b-j	56.19	2.51	38	5.4	3	4	1	18.13
Beck 134	69.53	c-m	54.65	66.32	b-k	54.82	3.21	31	5.2	0	6	0	21.75
Ag Alum Ex99751	69.24	c-m	58.11	70.48	b-e	57.15	-1.24	33	5.5	1	2	0	18.75
SS 8700	69.18	c-n	54.02	65.90	b-l	53.80	3.28	34	5.7	0	5	1	38.00
Progeny 166	68.71	c-n	56.80	63.97	c-m	55.81	4.74	36	5.2	3	7	3	37.50
Progeny 185	67.08	d-o	55.91	66.34	b-k	55.42	0.74	35	5.1	0	7	1	40.00
AgriPro Coker W1104	67.08	d-o	53.60	65.76	b-l	53.12	1.32	34	5.6	0	4	0	21.25
SS 8309	66.24	d-o	56.13	65.09	b-m	55.55	1.15	36	5.7	0	4	2	32.00
Ag Alum INW 1021	65.84	e-o	57.00	68.50	b-h	57.19	-2.66	31	5.6	2	3	2	21.88
Malabar	65.28	e-o	55.26	60.06	f-n	54.72	5.22	40	5.9	2	5	2	16.00
Colt-KAS	65.27	e-o	54.31	59.09	g-n	53.89	6.18	36	5.1	0	7	0	43.50
Dyna Gro 9053	65.18	e-o	52.35	67.60	b-i	52.96	-2.42	33	5.5	0	4	0	50.00
Pembroke	64.10	f-p	56.23	65.22	b-m	56.23	-1.12	32	5.6	0	4	0	32.00
Pioneer 26R15	64.03	f-p	53.89	58.61	h-n	53.03	5.42	35	5.6	0	7	0	43.75
Beck 122	63.32	g-q	53.73	60.78	e-n	54.59	2.54	36	5.1	0	7	0	54.25
SS 8302	62.96	g-q	55.68	65.22	b-m	55.62	-2.26	33	5.6	0	7	0	22.50
AgriPro Coker W1377	62.19	h-q	57.66	61.29	e-n	57.09	0.90	35	5.7	1	4	0	29.00
KAS 7700	62.13	h-q	54.40	59.35	g-n	52.74	2.78	34	5.2	2	5	0	37.50
Pioneer 25R78	61.67	i-q	55.68	59.94	f-n	53.95	1.73	31	4.30	0	6	0	57.75
Progeny 125	60.39	j-q	51.74	56.87	k-p	51.97	3.52	29	4.30	0	9	3	71.25

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	Yield bu/ac	TW lbs/bu	Yield bu/ac	TW lbs/bu	Response bu/ac								
Dixie 940	60.09	j-q	53.82	57.29	j-o	53.89	2.80	36	5.2	4	5	0	33.00
Pioneer 26R22	59.93	k-q	53.38	58.49	h-n	52.80	1.44	33	5.5	0	4	0	57.00
Pioneer 25R56	59.51	l-q	53.16	58.08	i-n	53.33	1.43	32	5.2	0	4	0	36.25
KAS 5003	58.03	m-r	52.82	55.29	m-p	52.91	2.74	30	5.3	0	3	3	37.50
AgriPro Coker Branson	57.66	n-r	51.78	56.10	l-p	52.31	1.56	32	5.1	0	8	0	59.50
Sunburst	56.66	o-r	56.00	52.85	n-q	56.13	3.81	32	5.3	0	9	2	47.50
SS MPV 57	53.08	p-s	52.10	52.15	n-q	51.81	0.93	33	5.6	0	7	0	58.50
Dyna Gro 9922	52.87	qrs	53.59	55.74	m-p	52.70	-2.87	35	5.4	0	5	0	46.25
SS 8600	52.75	qrs	54.59	49.30	o-r	54.19	3.45	35	5.3	0	5	0	42.50
Renegade	48.66	rst	54.02	46.24	qr	52.54	2.42	33	5.4	0	6	0	65.63
Pioneer 26R20	47.21	st	52.56	48.31	pqr	52.74	-1.10	32	5.5	0	4	0	68.25
Dixie 427	46.83	st	51.07	43.58	r	50.09	3.25	34	5.4	0	8	0	76.00
Dyna Gro Shirley	42.87	t	50.86	42.95	r	49.92	-0.08	31	5.7	0	4	0	64.75
SS 8404	41.87	t	54.34	43.07	r	56.00	-1.20	30	5.7	0	4	0	34.00
SS 8641	19.60	u		19.76	s		-0.16	33	5.7	0	5	0	85.50
LSD (P=.05)	6.32		1.59	5.50		1.54							
Standard Deviation	4.51		1.14	3.93		1.10							
CV	7.13		2.07	6.43		2.01							
<b>Mean</b>	<b>63.29</b>		<b>54.99</b>	<b>61.14</b>		<b>54.69</b>	<b>2.16</b>	<b>33.34</b>	<b>5.32</b>	<b>0.40</b>	<b>5.51</b>	<b>0.57</b>	<b>38.33</b>

Planted: November 7, 2009

Harvested: June 23, 2010

\* Heading Date: Date on which variety reached Feekes 10.3

\*\* Disease ratings: 0 (excellent) – 9 (poor). Leaf rust (*Puccinia recondita*) and leaf blotch (*Septoria tritici*) ratings were obtained from observing symptoms on the flag leaves.

\*\*\* Disease ratings: 0 (excellent) – 9 (poor). Glume blotch (*Stagonospora nodorum*) ratings were obtained from observing symptoms of the heads.

\*\*\*\* Fusarium (*Fusarium graminearum*) Index % = Incidence x Severity