

Wheat Tech, Inc.
2009 Kentucky Full Season Soybean Variety Trial
Adairville, KY

Variety	Maturity	Yield bu/ac		TW lbs/bu	Lodging 0-10*	Height IN
Asgrow AG 4303	4.3	81.58	a	55.93	0.0	35
Pioneer 94Y70	4.7	78.40	ab	56.20	0.5	42
Southern States RT 4470N	4.4	74.83	abc	56.37	0.0	32
AgVenture 44X1RR	4.4	73.63	a-d	56.28	3.3	42
Asgrow AG 4005	4.0	73.10	a-d	54.61	1.0	
Asgrow AG 4703	4.7	70.72	a-d	55.94	0.5	39
Southern States RT 4808N	4.8	70.47	a-d	55.92	1.5	42
Atlas 5N461RR	4.6	69.74	a-d	55.31	0.0	34
Pioneer 94Y20	4.2	69.63	a-d	54.43	5.0	36
Atlas 5N441RR	4.4	68.66	a-d	56.28	0.0	41
Southern States RT 4996N	4.9	68.63	a-d	56.13	2.0	43
Pioneer 94Y01	4.1	68.02	bcd	53.59	4.0	36
Southern States RT 4760N	4.7	68.02	bcd	54.76	7.8	38
Crow's 4000R2 Brand	4.0	67.71	bcd	55.07	2.8	36
Asgrow AG 4605	4.6	67.70	bcd	55.23	1.0	36
Atlas 5N477RR	4.7	67.13	bcd	55.83	0.3	34
Dekalb DKB 42-51	4.2	65.97	bcd	55.23	0.0	36
Southern States RT 5160N	5.1	65.78	bcd	57.25	5.5	43
Crow's 4119R Brand	4.1	65.54	bcd	53.93	1.3	36
Southern States RT 4370N	4.3	65.21	bcd	56.55	3.8	42
Asgrow AG 4404	4.4	64.21	bcd	55.08	3.3	37
AgVenture 47G7NRR	4.7	63.12	cd	55.16	0.0	34
Asgrow AG 4606	4.6	62.58	cde	55.78	1.5	41
AgVenture 40A2RR	4.0	62.37	cde	55.61	3.5	37
Southern States RT 4451N	4.4	61.72	cde	57.31	2.8	41
Asgrow AG 3803	3.8	60.35	de	53.40	4.5	35
Crow's 4820R Brand	4.8	51.61	ef	54.42	2.8	37
Crow's 3818R Brand	3.8	50.39	f	53.01	3.0	33
LSD (P=.05)		7.847		1.0492	1.73	
Standard Deviation		5.549		0.7419	1.22	
CV		8.28		1.34	55.83	
Mean		67.03		55.38	2.2	38

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Yield by Maturity

3.8-4.2

Variety	Maturity	Yield		TW	Lodging Height	
		bu/ac		lbs/bu	0-10*	IN
Asgrow AG 4005	4.0	73.1	a	54.605	1.0	
Pioneer 94Y20	4.2	69.63	ab	54.427	5.0	36
Pioneer 94Y01	4.1	68.02	ab	53.585	4.0	36
Crow's 4000R2 Brand	4.0	67.71	ab	55.065	2.8	36
Dekalb DKB 42-51	4.2	65.97	ab	55.233	0.0	36
Crow's 4119R Brand	4.1	65.54	ab	53.925	1.3	36
AgVenture 40A2RR	4.0	62.37	b	55.61	3.5	37
Asgrow AG 3803	3.8	60.35	b	53.403	4.5	35
Crow's 3818R Brand	3.8	50.39	c	53.01	3.0	33
LSD (P=.05)		6.531		1.4125	2.11	
Standard Deviation		4.357		0.9423	1.45	
CV		6.72		1.73	52.16	
Mean		64.79		54.32	2.8	36

4.3-4.6

Variety	Maturity	Yield		TW	Lodging Height	
		bu/ac		lbs/bu	0-10*	IN
Asgrow AG 4303	4.3	81.58	a	55.93	0.0	35
Southern States RT 4470N	4.4	74.83	ab	56.37	0.0	32
AgVenture 44X1RR	4.4	73.63	ab	56.28	3.3	42
Atlas 5N461RR	4.6	69.74	ab	55.31	0.0	34
Atlas 5N441RR	4.4	68.66	ab	56.28	0.0	41
Asgrow AG 4605	4.6	67.70	ab	55.23	1.0	36
Southern States RT 4370N	4.3	65.21	b	56.55	3.8	42
Asgrow AG 4404	4.4	64.21	b	55.08	3.3	37
Asgrow AG 4606	4.6	62.58	b	55.78	1.5	41
Southern States RT 4451N	4.4	61.72	b	57.31	2.8	41
LSD (P=.05)		9.707		1.1075	1.52	
Standard Deviation		6.677		0.7618	1.05	
CV		9.68		1.36	67.44	
Mean		68.99		56.01	1.6	38

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Yield by Maturity

4.7-5.1

Variety	Maturity	Yield		TW	Lodging Height	
		bu/ac		lbs/bu	0-10*	IN
Pioneer 94Y70	4.7	78.40	a	56.20	0.5	42
Asgrow AG 4703	4.7	70.72	ab	55.94	0.5	39
Southern States RT 4808N	4.8	70.47	ab	55.92	1.5	42
Southern States RT 4996N	4.9	68.63	ab	56.13	2.0	43
Southern States RT 4760N	4.7	68.02	ab	54.76	7.8	38
Atlas 5N477RR	4.7	67.13	ab	55.83	0.3	34
Southern States RT 5160N	5.1	65.78	b	57.25	5.5	43
AgVenture 47G7NRR	4.7	63.12	b	55.16	0.0	34
Crow's 4820R Brand	4.8	51.61	c	54.42	2.8	37
LSD (P=.05)		8.025		0.7863	1.72	
Standard Deviation		5.498		0.5388	1.18	
CV		8.19		0.97	51.24	
Mean		67.10		55.74	2.3	39

Planted: June 6, 2009

Harvested: October 30, 2009

* - Lodging rating taken on a scale of 0 (none) – 10 (completely lodged) on October 30, 2009.