

Full Season Conventional Group III

Direct Comparison Liberty and Glyphosate varieties

Plant	5/20/2016	Georgetown							
Harvest	10/15/2016								
Population	150,000	15" rows							
Irrigation	Yes								
Herbicides	Authority XL (Sulfentrazone/Chlorimuron ethyl) + Dual (Metolachlor) preemerge								
	Reflex postemerge								

Fungicides	No								
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Rank	Company	Variety	Yield bu/a						
1	Dyna-Gro	S38XS46	71.92	a					
2	Growmark FS	HS 39X50	71.14	ab					
3	Bayer	CZ 3737 LL	70.59	abc					
4	Bayer	CZ 3841 LL	70.37	abc					
5	Dyna-Gro	S38RY87	69.81	abc					
6	Doebler's	RPM DB 3817R	69.72	abc					
7	Southern States	SS 3914NS R2	69.05	abc					
8	Doebler's	RPM DB 3517R	68.63	abc					
9	Southern Harvest	SH 3516 LL	68.48	abc					
10	Growmark FS	HS 39T60	67.68	abc					
11	Dyna-Gro	S39RY65	67.54	abc					
12	ProHarvest Seeds	3952CR2Y	67.01	abc					
13	Bayer	CZ 3560 RY	64.61	a-d					
14	Bayer	CZ 3443 LL	63.56	a-d					
15	Southern States	SS 3916NS X	63.12	a-d					
16	Southern Harvest	SH 3814 LL	62.90	a-d					
17	Bayer	CZ 3991 RY	62.61	a-d					
18	Bayer	CZ 3233 LL	60.83	a-d					
19	T.A. Seeds	TS3759R2	59.52	a-d					
20	Bayer	CZ 3383 RY	58.12	a-d					
21	ProHarvest Seeds	3791CLL	56.41	a-d					

22	ProHarvest Seeds	3863CR24	55.76	a-d						
23	Bayer	CZ 3945 LL	54.59	bcd						
24	ProHarvest Seeds	3652CR2Y	54.03	cd						
LSD P=.05			16.572							
CV			15.9							
Grand Mean			63.531							
Means followed by same letter or symbol do not significantly differ (P=.05, LSD)										

21	Bayer	CZ 4222 LL	65.82	de	12.97	54.13					
22	T.A. Seeds	TS4469R2S	65.74	de	13.40	54.63					
23	Va. Tech	V12-1040	64.76	de	12.87	54.43					
24	USG	74B42R	64.37	de	12.80	54.17					
25	USG	7426XTS	64.34	de	13.37	55.30					
26	Southern States	LL 423 N	63.86	de	13.07	54.00					
27	Bayer	CZ 4540 LL	63.47	de	13.57	53.53					
28	Bayer	CZ 4105 LL	62.05	de	13.10	53.17					
29	ProHarvest Seeds	4391CLL	61.57	de	13.17	54.47					
30	Bayer	CZ 4044-LL	61.44	de	13.47	53.83					
31	NK	S45-W9	60.59	e	13.50	53.33					
LSD P=.05			14.329		0.502	1.202					
CV			12.74		2.3	1.36					
Grand Mean			68.844		13.361	54.161					
Means followed by same letter or symbol do not significantly differ (P=.05, LSD)											

Full Season Conventional Late Group IV-V's (>=4.7)										
Direct Comparison Liberty and Glyphosate varieties										
Plant		5/20/2016	Georgetown							
Harvest		10/26/2016								
Population		150,000	15" rows							
Irrigation		Yes								
Herbicides		Authority XL (Sulfentrazone/Chlorimuron ethyl) + Dual (Metolachlor) preemerge								
		Reflex postemerge								
Fungicides		No								
Rank	Company	Variety	Yield bu/a		Moist %	T.W.				
1	Doebblers	RPM DB 4914SR2	86.59	a	11.37	55.83				
2	Southern States	LL 473 N	83.34	ab	11.27	56.17				
3	ProHarvest Seeds	4871CR2Y	81.45	abc	11.67	56.20				
4	Bayer	CZ 4898 RY	80.00	a-d	11.43	56.13				
5	Doebblers	RPM DB 5317SR	76.78	a-e	11.30	55.60				
6	USG	7477XTS	76.42	a-e	12.53	55.10				
7	Southern Harvest	SH-4817 LL	75.68	a-e	11.33	55.23				
8	Doebblers	RPM DB 4715 RR	75.33	a-e	11.17	55.37				
9	Bayer	CZ 5375 RY	73.73	b-e	11.73	54.13				
10	USG	7496XTS	73.14	b-e	11.53	56.37				
11	Va. Tech	V12-0121R2	73.12	b-e	11.50	56.00				
12	Bayer	CZ 4959 RY	72.63	b-e	11.90	55.63				
13	ProHarvest Seeds	4791CLL	71.97	b-e	11.23	54.67				
14	Doebblers	RPM DB 5416R	71.77	b-e	11.97	55.33				
15	USG	7506XTS	71.45	b-e	11.47	56.17				
16	Va. Tech	V12-0074R2	71.38	b-e	11.57	56.57				
17	Bayer	HBK 4953 LL	69.92	cde	11.63	55.80				
18	Dyna-Gro	S48XT56	69.01	cde	12.17	54.00				
19	Bayer	CZ 4748 LL	68.62	de	11.30	54.13				
20	Bayer	CZ 4818 LL	68.44	de	11.50	54.73				
21	USG	74K95RS	68.28	de	12.87	54.43				

22	Bayer	CZ-5147 LL	68.24	de	11.67	55.77			
23	Southern Harvest	SH 5215 LL	68.09	de	11.87	55.77			
24	Va. Tech	V12-0214R2	67.95	de	11.60	56.20			
25	Bayer	CZ-5445 LL	67.91	de	11.23	55.63			
26	Bayer	CZ-5225 LL	64.78	e	11.30	55.87			
LSD P=.05			12.783		0.478	1.184			
CV			10.69		2.51	1.3			
Grand Mean			72.925		11.619	55.494			
Means followed by same letter or symbol do not significantly differ (P=.05, LSD)									