

TABLE 2. 2016 Southern Region Glyphosate Tolerant Soybean Trial:

Performance of commercial entries at three southern Wisconsin locations

* Yields preceded by an asterisk are not significantly different (0.10 level) than the highest yielding cultivar.

Brand	Entry	Maturity Group	Maturity Date ²	2016 2-Test Average ¹		2016 Yields		2016 Composition ²		2015 3-Test Average ³		2015 Composition ²	
				Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Beck's	273R4 brand	2.7	28-Sep	*97	1.1	*90	*103	35.3	19.5	--	--	--	--
NuTech	7279	2.7	30-Sep	*95	1.3	*92	97	35.2	19.5	--	--	--	--
Power Plus	26Z5	2.6	24-Sep	*94	1.0	*91	97	36.7	19.5	*85	1	36.3	19.7
Renk	RS246NR2	2.4	15-Sep	*94	1.3	82	*107	35.9	20.0	*85	1.0	36.0	19.7
Munson	8247R2Y	2.4	17-Sep	*93	1.0	*84	*103	35.7	20.0	--	--	--	--
Cornelius	CB24R82	2.4	22-Sep	*93	1.0	*84	*101	36.4	19.7	*83	1	35.7	19.7
Cornelius	CB26R30	2.6	28-Sep	*93	1.0	*88	98	36.2	18.5	82	1.0	35.4	19.3
Beck's	255R2	2.5	24-Sep	*93	1.0	83	*103	36.3	18.4	--	--	--	--
Dyna-Gro	S24RY87	2.4	26-Sep	*92	1.0	83	*101	36.1	20.0	--	--	--	--
Legacy	LS-	2.4	24-Sep	*92	1.3	*85	*99	35.9	19.9	--	--	--	--
Asgrow	AG2535	2.5	26-Sep	*91	1.0	*87	96	35.5	19.0	82	1	34.9	19.5
Asgrow	AG2836	2.8	4-Oct	*91	1.5	*88	94	37.3	17.9	*89	1.3	37.0	18.1
Beck's	185R2	1.8	14-Sep	*91	1.1	*84	97	35.0	19.5	--	--	--	--
Cornelius	CB20R44	2.0	25-Sep	*91	1.1	*89	93	36.2	19.5	*86	1	35.6	19.7
Cornelius	CB27X27	2.7	4-Oct	*91	1.0	82	*100	35.9	18.5	--	--	--	--
Credenz	CZ 2788 RY	2.7	4-Oct	*91	1.0	82	*100	37.0	17.9	80	1.3	36.1	18.2
Renk	RS276NX	2.7	29-Sep	*91	1.0	*85	97	37.2	18.0	--	--	--	--
Dairyland	DSR-	2.3	22-Sep	*90	1.1	80	*100	36.3	20.0	*84	1	35.2	20
DuPont	P25T51R	2.5	30-Sep	*90	1.0	*84	95	35.8	20.4	76	1.1	37.1	19.5
LG Seeds	C2441R2	2.4	24-Sep	*90	1.8	*85	94	35.0	19.6	*83	1.0	35.2	19.5
Titan Pro	TP-24R26	2.4	16-Sep	*90	1.4	*84	96	35.9	19.9	--	--	--	--
Titan Pro	TP-26R35	2.6	22-Sep	*90	1.0	77	*103	35.8	18.6	81	1	35.2	19.3
DuPont	P24T05R	2.4	18-Sep	89	1.0	*87	91	35.6	19.3	--	--	--	--
DuPont	P28T08R	2.8	26-Sep	89	1.0	80	98	37.0	19.5	*85	1	35.7	20.4
FS HiSOY	HS 27X60	2.7	30-Sep	89	1.1	*85	93	36.0	18.6	--	--	--	--
Renk	RS286NR2	2.8	4-Oct	89	1.6	82	97	35.3	19.4	*83	1	35.6	19.2
Channel	2402R2	2.4	19-Sep	88	1.4	77	*101	35.5	19.4	80	1.0	35.1	19.3
LG Seeds	C2255R2	2.2	20-Sep	88	1.5	81	96	35.1	19.8	--	--	--	--
Steyer	2604R2	2.6	26-Sep	88	1.3	79	97	36.3	18.6	--	--	--	--
Cornelius	CB22R34	2.2	26-Sep	87	2.4	*84	90	34.7	18.8	79	1	34.7	19.1
Dairyland	DSR-	1.7	10-Sep	87	2.2	*84	91	36.2	19.7	79	1.1	35.4	19.7
Dyna-Gro	S26RY37	2.6	24-Sep	87	1.3	*86	88	35.4	19.5	--	--	--	--
FS HiSOY	HS 23A42	2.3	21-Sep	87	1.0	*85	89	35.3	19.7	82	1.1	35	19.3
Legend	LS 24R563N	2.3	30-Sep	87	1.0	80	93	36.6	18.7	--	--	--	--
NK	S28-N6	2.8	25-Sep	87	1.4	80	95	36.5	19.4	--	--	--	--
Power Plus	24P4	2.4	22-Sep	87	1.8	*87	86	33.4	20.5	79	1	33.8	20.6
Renk	RS265NR2	2.6	19-Sep	87	1.0	77	97	36.0	18.6	*84	1.0	35.9	19.1
Munson	8227R2Y	2.2	14-Sep	86	1.0	81	92	35.3	19.6	--	--	--	--
Munson	8284R2Y	2.8	27-Sep	86	1.3	83	89	35.6	19.4	--	--	--	--
Cornelius	CB28R58	2.8	4-Oct	86	1.4	*86	86	35.9	19.2	*85	1	35.7	19.4
Dairyland	DSR-	2.1	23-Sep	86	1.5	81	90	35.9	18.6	*83	1.0	35.7	18.8
Dairyland	DSR-	2.6	25-Sep	86	1.1	79	92	36.0	18.7	82	1.0	35.5	19.1
Great	GL2269NR2	2.2	19-Sep	86	1.4	81	92	35.6	19.5	--	--	--	--
Great	GL2469R2	2.4	17-Sep	86	1.4	80	91	35.2	19.5	78	1	35.8	19.2
Legacy	LS-	1.9	17-Sep	86	1.4	82	91	35.5	19.5	81	1.1	34.9	19.5
Legacy	LS-	2.8	27-Sep	86	1.3	81	91	35.0	19.5	*87	1.1	35.5	19.4
Asgrow	AG2636	2.6	29-Sep	86	1.0	77	95	34.9	18.8	--	--	--	--
Beck's	2353X2	2.3	20-Sep	86	1.1	*85	88	36.5	18.7	--	--	--	--
NK	S26-P3	2.6	22-Sep	86	1.1	*88	83	35.4	19.2	79	1.2	35.9	19.5
Power Plus	25A5	2.5	22-Sep	86	1.0	*88	84	34.8	20.0	81	1.0	36.1	20.2
Titan Pro	TP-28X45	2.8	28-Sep	86	1.1	80	92	37.2	18.1	--	--	--	--
Dairyland	DSR-	1.8	13-Sep	85	1.5	83	88	35.6	19.7	--	--	--	--
Dairyland	DSR-	2.7	28-Sep	85	3.5	77	92	34.7	20.0	--	--	--	--
Dyna-Gro	S23XT97	2.3	28-Sep	85	1.1	83	88	36.4	18.7	--	--	--	--

FS HiSOY	HS 23X60	2.3	15-Sep	85	1.1	81	88	36.5	18.6	--	--	--	--
Great	GL2551NR2	2.5	17-Sep	85	1.5	78	92	35.9	19.8	*87	1.1	35.5	19.9
Legacy	LS-	2.1	15-Sep	85	1.1	77	93	35.0	19.7	--	--	--	--
Power Plus	20B7	2.0	15-Sep	85	1.1	82	88	34.9	20.4	--	--	--	--
Asgrow	AG21X7	2.1	17-Sep	84	1.3	78	89	34.6	19.0	--	--	--	--
Beck's	233R4 brand	2.3	25-Sep	84	1.5	81	87	33.2	20.7	--	--	--	--
Channel	2108R2	2.1	18-Sep	84	1.3	81	88	35.8	19.7	--	--	--	--
Cornelius	CB23X45	2.3	26-Sep	84	1.4	*86	82	36.7	18.5	--	--	--	--
Dairyland	DSR-	1.5	14-Sep	84	1.0	78	89	35.4	19.8	--	--	--	--
Dairyland	DSR-	2.9	22-Sep	84	1.5	78	90	35.8	19.2	--	--	--	--
Illini	ILX15246R2	2.9	29-Sep	84	2.0	80	88	35.6	19.3	--	--	--	--
Legend	LS 20R524N	2.0	19-Sep	84	1.4	79	90	36.0	19.5	*84	1.2	36	19.5
O'Brien	O'SOY196N	1.9	15-Sep	84	1.0	79	89	36.2	18.4	*87	1.0	35.3	19.0
ProHarvest	2484CR2Y	2.4	23-Sep	84	1.8	77	91	36.9	18.3	78	1.2	35.3	19.2
ProHarvest	2084CR2Y	2.0	20-Sep	84	1.8	80	88	35.7	19.5	*85	1.3	35.6	19.4
Titan Pro	TP-17X26	1.7	14-Sep	84	1.1	80	87	35.7	19.2	--	--	--	--
Channel	2306R2	2.3	17-Sep	83	2.1	77	88	35.0	19.6	*87	1	34.3	19.5
Cornelius	CB21X22	2.1	18-Sep	83	1.5	79	87	36.2	19.6	--	--	--	--
Dyna-Gro	S23RY85	2.3	19-Sep	83	1.8	79	86	35.3	19.5	*83	1	35.1	19.7
FS HiSOY	HS 19A50	1.9	13-Sep	83	1.5	83	84	35.2	19.6	81	1.0	35.3	19.2
FS HiSOY	HS 28X50	2.8	29-Sep	83	1.0	79	86	37.4	18.2	--	--	--	--
NK	S25-L9	2.5	26-Sep	83	1.4	82	84	36.4	19.5	80	1	35.9	19.6
Titan Pro	TP-21X46	2.1	18-Sep	83	1.6	83	83	35.7	19.6	--	--	--	--
Tracy	2500GT	2.5	29-Sep	83	1.4	80	86	37.4	18.9	--	--	--	--
FS HiSOY	HS 26X60	2.6	2-Oct	82	1.3	76	88	35.5	19.0	--	--	--	--
Jung	1242R2X	2.4	20-Sep	82	2.4	77	87	36.2	19.0	--	--	--	--
Asgrow	AG2035	2.0	42633	82	1.5	79	85	36.7	19.5	81	1.0	36.0	19.8
NK	S20-T6	2.0	21-Sep	82	1.6	75	88	36.4	19.7	81	1.0	36.4	19.5
NuTech	7172R2	1.7	16-Sep	82	2.3	75	89	35.7	19.7	--	--	--	--
O'Brien	O'SOY245N	2.4	28-Sep	82	1.8	77	86	37.1	18.3	78	1.4	35.7	19.1
Renk	RS213NR2	2.1	19-Sep	82	1.8	76	88	35.7	19.7	79	1.0	35.9	19.5
Titan Pro	TP-20R25	2.0	16-Sep	82	2.4	75	90	36.2	19.3	--	--	--	--
NK	S21-M7	2.1	19-Sep	81	3.0	78	84	35.9	19.5	--	--	--	--
Steyer	2202R2	2.2	22-Sep	81	1.6	81	81	36.4	18.5	78	1.0	35.6	18.9
FS HiSOY	HS 21X60	2.1	14-Sep	80	1.4	77	82	36.2	19.4	--	--	--	--
Great	GL2789R2	2.7	3-Oct	80	3.5	71	89	36.2	17.9	78	1.3	35.8	18.2
NuTech	7217R2	2.1	29-Sep	80	1.4	79	82	34.2	19.9	*83	1.0	34.4	19.7
Dairyland	DSR-	2.0	15-Sep	78	2.4	79	78	36.3	19.3	--	--	--	--
FS HiSOY	HS 18X60	1.8	12-Sep	78	1.0	76	80	35.7	19.5	--	--	--	--
Steyer	2702R2	2.7	29-Sep	78	2.0	69	86	37.2	18.3	--	--	--	--
NuTech	7127R2	1.2	8-Sep	77	1.3	72	82	36.3	18.7	--	--	--	--
Jung	1271R2X	2.7	30-Sep	76	2.9	71	81	36.2	18.6	--	--	--	--
Illini	ILX15129R1	2.7	25-Sep	75	3.0	67	82	35.4	19.5	--	--	--	--
Steyer	2101R2	2.2	13-Sep	74	3.3	66	82	35.3	19.5	--	--	--	--
Illini	ILX15064R1	2.5	23-Sep	68	2.8	63	73	34.9	19.6	--	--	--	--
			22-Sep	86	1.5	81	91	35.8	19.2	81	1.1	35.3	19.5
			--	7	0.7	8	8	0.6	0.3	6	0.3	0.7	0.4

Mean

LSD (0.10)

* Yields preceded by an asterisk are not significantly different (0.10 level) than the highest yielding cultivar.

¹ The East Troy site was abandoned due to severe plot to plot variation caused by subsoil differences that led to non-uniform drought stress and subsequent stem canker infection.

² Maturity date, protein, and oil determined at the Arlington site.

³ 2015 3-test average includes Arlington, East Troy and Platteville.

Results that are shaded provide the best estimate of relative variety performance.