

University of Delaware
Soybean Variety Trials 2018

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Location	Trial			
Georgetown	Full Season	Plant	7-Jun	
		Harvest	10/25/2018 (Early trial)	10/31/2018 (Late Trial)
		Irrigated	Yes	
		Prev. crop	Corn	
		Tillage	Conventional	
		Planted Population	150,000	
Georgetown	Double Cropped	Plant	16-Jul	
		Harvest	29-Nov	
		Irrigated	Yes	
		Prev. crop	Wheat	
		Tillage	No-till	
		Planted Population	180,000	
Selbyville	Full Season	Plant	21-Jun	
		Harvest	11/1/2018 (Early trial)	11/12/2018 (Late trial)
		Irrigated	No	
		Prev. crop	Corn	
		Tillage	Drill	
		Planted Population	150,000	
Middletown	Full Season	Plant	18-Jun	Miscommunication regarding postemergence spray
		Harvest	23-Nov	No LL beans in this trial
		Irrigated	No	
		Prev. crop	Corn	
		Tillage	Turbo till	
		Planted Population	150,000	
Kent County	Full Season	Plant	19-Jun	Data too variable due to flooding
		Harvest	6-Dec	
		Irrigated	No	

Prev. crop	Corn
Tillage	No-till
Planted Population	150,000

Soybeans, Full Season, Maturity Group 3.0-4.5 Georgetown Irrigated 2018

Trial Rank	Variety	Company or Institution	Yield bu/A*		Moisture %	T.W.	Height	Group	Traits**
1	74F24RS	USG	83.37	a	13.53	62.08	33.7	4.2	RR2Y/STS
2	S41XS98	Dyna-Gro	80.51	ab	13.73	60.98	26.7	4.1	X-
3	45-D43	Armor Seed	79.22	abc	13.55	61.18	30.3	4.3	RXtend
4	CZ 4308	BASF	79.21	abc	13.53	62.63	28.3	4.3	LL
5	CZ 3601	BASF	78.7	a-d	13.63	62.93	27.7	3.6	LL
6	S42-B9XS	Syngenta	76.98	a-e	13.98	62.5	29	4.2	RR2,
7	42-D27	Armor Seed	75.76	a-f	13.78	61.08	26	4.2	RXtend
8	CZ 3841	BASF	75.37	a-f	13.63	62.23	28	3.8	LL
9	SH 3814 LL	Meherrin/Southern Harvest Seeds	74.31	a-g	13.5	61.68	25.7	3.8	LL
10	7447XTS	USG	73.1	a-h	14.43	60.38	29	4.4	Xtend/STS
11	42X9	Doebler's	72.25	a-i	13.65	63.2	27.7	4.2	RR2X
12	MS 4426	MorSoy	72.18	a-i	13.78	61.8	28.7	4.4	RXT
13	S39XT08	Dyna-Gro	71.21	a-i	13.55	62.3	26	3.9	X-TEND
14	S43XS27	Dyna-Gro	70.9	b-i	13.9	59.6	28.3	4.3	X-
15	HS44X80	Growmark	70.82	b-i	13.58	62.33	30.3	4.4	XT, RR,
16	CZ 4044	BASF	70.11	b-j	13.7	62.08	26.7	4	LL
17	S39XT68	Dyna-Gro	69.01	b-j	13.85	61.28	29	3.9	X-TEND
18	CZ 3738	BASF	68.99	b-j	13.45	62.05	25.3	3.7	LL
19	CZ 4222	BASF	68.91	b-j	13.38	61.2	26.7	4.2	LL
20	TS3979	Local Seed	68.76	b-j	13.53	60.93	26.3	3.9	Xtend
21	7399XT	USG	67.99	c-j	13.83	61.6	28	3.9	Xtend
22	S39-P5X	Syngenta	67.43	c-j	13.43	60.65	26.3	3.9	RR2 Extend
23	CZ 3945	BASF	66.67	d-j	13.63	61.68	29.3	3.9	LL
24	X44D36	Armor Seed	66.57	d-j	13.43	57.83	27	4.4	RXtend
25	S35-K9X	Syngenta	66.14	e-j	13.45	60.55	28	3.5	RR2 Extend
26	CZ 3548	BASF	66.01	e-j	13.83	61.55	25.7	3.5	LL
27	7379XTS	USG	65.68	e-j	13.5	60.18	27.7	3.7	Xtend/STS
28	39X9	Doebler's	64.24	f-j	13.85	61.53	25.3	3.9	RR2X
29	V14-1219	Virginia Tech	64.14	f-j	13.3	63.13	26	4.2	Conv
30	LS3787XS	Local Seed	62.86	g-j	13.65	60.83	26.7	3.7	Xtend / STS
31	CZ 4105	BASF	62.52	g-j	13.45	61.68	26	4.1	LL

32	39-D39	Armor Seed	62.06	hij	13.8	61.98	26.7	3.9	RXtend
33	73P93R	USG	61.18	h-k	13.5	61.53	25.3	3.9	RR2Y
34	X41D47	Armor Seed	60.44	ijk	13.73	61.75	30.3	4.1	RXtend
35	CZ 3233	BASF	60.2	ijk	13.78	60.38	26.7	3.2	LL
36	X40D85	Armor Seed	58.51	jk	13.7	62.03	25.3	4	RXtend
37	V11-2187	Virginia Tech	49.55	k	13.43	61.3	28	4.2	Conv

LSD P=.05

12.23

Standard Deviation

8.72

CV

12.65

Grand Mean

68.97

13.65

61.47

27.5

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

*Yield corrected to 13.8% moisture

**Information provided by companies

Soybeans Full Season, Maturity Group 3.0-4.5, Selbyville, Dryland

Trial Rank	Variety	Company/Institution	Yield bu/a*		Moisture %	T.W.	Height	Group	Traits**
1	MS 4426	MorSoy	89.88	a	15.67	53.75	33.8	4.4	RXT
2	S43XS27	Dyna-Gro	87.87	ab	15.24	51.5	34	4.3	X-TEND/STS
3	74F24RS	USG	86.57	abc	15.15	52.88	38	4.2	RR2Y/STS
4	S41XS98	Dyna-Gro	86.34	a-d	15.37	52.33	34.5	4.1	X-TEND/STS
5	CZ 4222	BASF	86.27	a-d	15.07	55.35	32.8	4.2	LL
6	7379XTS	USG	84.3	a-e	15.05	53.8	34	3.7	Xtend/STS
7	42-D27	Armor Seed	84.16	a-f	14.82	51.95	33.5	4.2	RXtend
8	7399XT	USG	83.96	a-g	15.4	52.48	32.3	3.9	Xtend
9	S39XT68	Dyna-Gro	83.12	b-g	15.57	53.88	32.3	3.9	X-TEND
10	7447XTS	USG	83.06	b-g	15	51.25	34.8	4.4	Xtend/STS
11	SH 3814 LL	Meherrin/Southern Harvest Seeds	81.21	c-h	15.07	52.33	33	3.8	LL
12	TS3979	Local Seed	81.15	c-h	14.8	51.55	34	3.9	Xtend
13	42X9	Doebler's	80.84	c-i	15.69	52.95	33	4.2	RR2X
14	S39-P5X	Syngenta	80.69	c-i	14.92	51.03	33.8	3.9	RR2 Extend
15	45-D43	Armor Seed	80.63	c-i	15.66	52.78	33.5	4.3	RXtend
16	HS44X80	Growmark	80.01	c-i	15.34	52.43	35	4.4	XT, RR, STS
17	CZ 4308	BASF	79.85	d-i	15.1	52.73	35.3	4.3	LL
18	S42-B9XS	Syngenta	79.22	e-j	15.88	53.28	32.5	4.2	RR2, Extend, STS
19	CZ 4105	BASF	78.62	e-k	14.7	51.98	36.5	4.1	LL
20	X41D47	Armor Seed	77.93	e-l	14.67	51.13	36.3	4.1	RXtend
21	CZ 3945	BASF	77.65	f-l	15.39	52.73	31	3.9	LL
22	LS3787XS	Local Seed	77.44	g-m	14.77	52.45	34.5	3.7	Xtend / STS
23	V11-2187	Virginia Tech	76.09	h-n	14.6	52.43	35.5	4.2	Conv
24	S39XT08	Dyna-Gro	75.39	h-o	14.72	51.4	32.8	3.9	X-TEND
25	39-D39	Armor Seed	75.33	h-o	15.09	51.73	33	3.9	RXtend
26	S35-K9X	Syngenta	75.22	h-o	14.82	51.23	32	3.5	RR2 Extend
27	CZ 3601	BASF	74.7	h-o	14.82	52.65	31	3.6	LL

Soybeans, Full Season, Group 3.0-4.4, Middletown 2018

No LL or conventional beans in the final analysis

Trial Rank	Variety	Company/Institution	Yield bu/a*		Moist %	T.W.	Group	Traits**
1	S42-B9XS	Syngenta	88.66	a	13.0	59.5	4.2	RR2, Extend, STS
2	MS 4426	MorSoy	86.93	ab	12.7	60.3	4.4	RXT
3	74F24RS	USG	86.71	ab	12.8	59.7	4.2	RR2Y/STS
4	X44D36	Armor Seed	85.74	ab	12.9	60.4	4.4	RXtend
5	7447XTS	USG	84.66	ab	12.6	59.4	4.4	Xtend/STS
6	HS44X80	Growmark	83.7	ab	13.1	59.6	4.4	XT, RR, STS
7	7399XT	USG	83.3	abc	12.3	58.1	3.9	Xtend
8	45-D43	Armor Seed	82.84	abc	12.9	59.3	4.3	RXtend
9	S43XS27	Dyna-Gro	82.81	abc	12.7	59.6	4.3	X-TEND/STS
10	S41XS98	Dyna-Gro	82.57	abc	12.4	58.9	4.1	X-TEND/STS
11	TS3979	Local Seed	80.51	a-d	12.2	57.8	3.9	Xtend
12	42-D27	Armor Seed	80.44	a-d	12.3	58.7	4.2	RXtend
13	S39-P5X	Syngenta	79.73	a-d	12.3	58.4	3.9	RR2 Extend
14	S39XT08	Dyna-Gro	77.76	a-e	12.7	59.4	3.9	X-TEND
15	LS3787XS	Local Seed	76.22	a-f	11.9	56.7	3.7	Xtend / STS
16	39-D39	Armor Seed	76.02	a-f	12.1	57.9	3.9	RXtend
17	42X9	Doebler's	75.66	b-f	13.1	60.0	4.2	RR2X
18	S39XT68	Dyna-Gro	75.39	b-f	12.4	57.2	3.9	X-TEND
19	S35-K9X	Syngenta	70.81	c-f	12.1	57.4	3.5	RR2 Extend
20	7379XTS	USG	67.84	def	11.9	56.0	3.7	Xtend/STS
21	X40D85	Armor Seed	67.63	def	12.4	57.2	4	RXtend
22	39X9	Doebler's	66.58	ef	12.2	57.7	3.9	RR2X
23	X41D47	Armor Seed	65.99	ef	12.2	58.6	4.1	RXtend
24	73P93R	USG	64.74	f	12.0	57.2	3.9	RR2Y

LSD P=.05	12.88	0.366	1.408
Standard Deviation	9.13	0.259	0.998
CV	11.7	2.08	1.71
Grand Mean	78.05	12.46	58.52

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

*Yield corrected to 13.8%

**Information provided by companies

Soybeans, Double crop, Group 3.0-4.4, GT 2018

Trial Rank	Variety	Company/Institution	Yield bu/A		Moisture %	T.W.	Group	Traits**
1	7447XTS	USG	63.78	a	13.7	56.1	4.4	Xtend/STS
2	MS 4426	MorSoy	61.98	ab	13.8	56.8	4.4	RXT
3	S39XT68	Dyna-Gro	61.10	abc	14.2	56.2	3.9	X-TEND
4	X44D36	Armor Seed	60.13	a-d	14.2	57.6	4.4	RXtend
5	45-D43	Armor Seed	59.85	a-d	14.0	56.7	4.3	RXtend
6	S43XS27	Dyna-Gro	58.86	a-d	13.8	56.7	4.3	X-TEND/STS
7	42-D27	Armor Seed	58.76	a-d	14.4	57.0	4.2	RXtend
8	42X9	Doebler's	57.80	a-e	14.3	57.2	4.2	RR2X
9	CZ 3841	BASF	56.41	a-f	14.3	56.6	3.8	LL
10	CZ 4308	BASF	56.16	a-g	13.9	57.3	4.3	LL
11	S39XT08	Dyna-Gro	55.83	a-g	14.4	56.5	3.9	X-TEND
12	V11-2187	Virginia Tech	53.79	a-h	14.2	57.1	4.2	Conv
13	HS44X80	Growmark	53.26	a-i	14.0	56.6	4.4	XT, RR, STS
14	X40D85	Armor Seed	52.99	a-i	14.1	56.7	4	RXtend
15	TS3979	Local Seed	51.32	b-i	13.7	56.3	3.9	Xtend
16	39-D39	Armor Seed	51.30	b-i	14.2	56.3	3.9	RXtend
17	CZ 4222	BASF	50.60	c-j	13.7	57.6	4.2	LL
18	S41XS98	Dyna-Gro	50.44	c-j	14.3	56.5	4.1	X-TEND/STS
19	SH 3814 LL	Meherrin/Southern Harvest Seeds	50.22	c-j	13.9	56.3	3.8	LL
20	74F24RS	USG	49.99	c-k	14.0	56.3	4.2	RR2Y/STS
21	S42-B9XS	Syngenta	49.95	c-k	14.3	57.1	4.2	RR2, Extend, STS
22	S35-K9X	Syngenta	49.81	c-k	12.2	47.8	3.5	RR2 Extend
23	CZ 4044	BASF	49.51	d-k	14.2	56.6	4	LL
24	S39-P5X	Syngenta	49.31	d-k	13.9	56.2	3.9	RR2 Extend

25	CZ 3945	BASF	46.54	e-k	14.3	56.6	3.9	LL
26	CZ 3601	BASF	46.04	f-k	14.2	57.0	3.6	LL
27	V14-1219	Virginia Tech	45.94	f-k	14.0	57.1	4.2	Conv
28	39X9	Doebler's	45.77	f-k	14.6	56.9	3.9	RR2X
29	LS3787XS	Local Seed	45.63	f-k	14.2	56.7	3.7	Xtend / STS
30	CZ 4105	BASF	45.24	f-k	14.4	57.0	4.1	LL
31	7379XTS	USG	44.94	g-k	14.1	56.4	3.7	Xtend/STS
32	CZ 3548	BASF	43.12	h-k	13.9	56.3	3.5	LL
33	X41D47	Armor Seed	42.55	h-k	14.1	55.6	4.1	RXtend
34	7399XT	USG	42.38	ijk	14.2	56.4	3.9	Xtend
35	73P93R	USG	42.27	ijk	14.1	56.2	3.9	RR2Y
36	CZ 3738	BASF	39.87	jk	14.1	56.6	3.7	LL
37	CZ 3233	BASF	38.84	k	14.0	56.2	3.2	LL

LSD P=.05	11.295	0.8554	3.824
Standard Deviation	6.936	0.6107	2.73
CV	13.62	4.35	4.84
Grand Mean	50.92	14.04	56.39

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

*Yield corrected to 13.8%

**Information provided by companies

Soybeans Full Season, Group 4.5-5+, Georgetown Irrigated

Trial Rank	Variety	Company/Institution	Yield bu/a*		Moisture	T.W.	Group	Traits**
1	CZ 5328	BASF	81.66	a	15.6	51.6	5.3	LL
2	7478XTS	USG	79.36	ab	15.1	52.9	4.7	Xtend/STS
3	7487XTS	USG	78.57	ab	16.8	54.0	4.8	Xtend/STS
4	7496XTS	USG	74.97	abc	16.3	51.4	4.9	Xtend/STS
5	S48XT56	Dyna-Gro	74.5	a-d	15.5	51.6	4.8	X-TEND
6	CZ 4820	BASF	73.98	a-d	14.9	51.0	4.8	LL
7	47-D22	Armor Seed	73.83	a-d	15.2	51.4	4.7	RXtend
8	CZ 5242	BASF	73.75	a-d	15.8	51.0	5.2	LL
9	SH 4817 LL	Meherrin/Southern Harvest Seeds	73.19	a-d	15.2	52.8	4.8	LL
10	S45-K5X	Syngenta	72.4	a-d	15.3	51.5	4.5	RR2, Extend
11	CZ 5147	BASF	72.4	a-d	15.0	51.2	5.1	LL
12	CZ 4649	BASF	72.19	a-e	15.7	51.4	4.6	LL
13	MS 4616	MorSoy	71.7	b-f	15.1	53.3	4.6	RXT
14	74K95nRS	USG	70.93	b-f	15.6	53.3	4.9	RR2Y/STS
15	S48XS78	Dyna-Gro	70.92	b-f	15.3	52.3	4.8	X-TEND/STS
16	MS 4846	MorSoy	70.62	b-f	15.0	52.6	4.8	RXT
17	S46XS87	Dyna-Gro	69.76	b-g	16.0	52.7	4.6	X-TEND/STS
18	49R9	Doebler's	68.37	c-h	15.1	51.3	4.9	RR
19	SH 5215 LL	Meherrin/Southern Harvest Seeds	68.35	c-h	15.0	50.6	5.2	LL
20	45-D50	Armor Seed	67.61	c-h	15.2	51.4	4.5	RXtend
21	CZ 5150	BASF	67.48	c-h	15.5	52.4	5.1	LL
22	V12-0045R2	Virginia Tech	67.02	c-h	20.8	49.3	5L	RR2Y
23	CZ 4540	BASF	65.87	c-i	15.1	52.3	4.5	LL
24	CZ 4748	BASF	65.27	c-i	15.2	52.4	4.7	LL
25	X46D63	Armor Seed	65.26	c-i	15.4	50.9	4.6	RXtend
26	V12-1416	Virginia Tech	64.85	d-i	16.7	49.4	5L	RR

27	V13-3833	Virginia Tech	64.83	d-i	15.6	52.1	5E	Conv
28	V14-3762	Virginia Tech	62.45	e-i	19.2	47.4	5E	Conv
29	45BR9	Doebler's	62.13	f-i	15.1	52.1	4.5	RR/STS
30	DB4817X	Doebler's	60.64	ghi	15.5	53.6	4.8	RR2X
31	V14-4140	Virginia Tech	59.23	hi	14.9	50.6	4L	Conv
32	CZ 4548	BASF	56.81	i	15.0	52.1	4.5	LL
33	V13-0113	Virginia Tech	55.97	i	14.8	51.6	4L	RR

LSD P=.05

9.94

Standard Deviation

7.08

CV

10.26

Grand Mean

69.00

15.7

51.7

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

*Yield corrected to 13.8%

**Information provided by companies

"L"= Late maturity, "E"= Early maturity in Group column

Selbyville Full Season, 4.5-5+, 2018

Trial Rank	Variety	Company	Yield bu/A		Moisture	T.W.	Group	Traits**
1	MS 4846	MorSoy	87.7	a	15.35	56.55	4.8	RXT
2	45BR9	Doebler's	86.29	ab	15.68	58.28	4.5	RR/STS
3	MS 4616	MorSoy	85.43	abc	15.78	58.63	4.6	RXT
4	V12-0045R2	Virginia Tech	85.39	abc	19.63	54.95	5L	RR2Y
5	S48XT56	Dyna-Gro	84.18	a-d	16.13	58.68	4.8	X-TEND
6	DB4817X	Doebler's	83.82	a-d	15.08	56.4	4.8	RR2X
7	X46D63	Armor Seed	82.28	a-e	15.98	56.18	4.6	RXtend
8	CZ 5150	BASF	81.35	a-f	16.38	55.25	5.1	LL
9	CZ 5147	BASF	80.74	a-f	15.88	59.3	5.1	LL
10	V13-0113	Virginia Tech	78.74	a-g	15.33	57.18	4L	RR
11	49R9	Doebler's	77.67	a-g	15	54.2	4.9	RR
12	45-D50	Armor Seed	77.55	a-h	15.35	55.05	4.5	RXtend
13	7487XTS	USG	71	c-h	15.68	55.9	4.8	Xtend/STS
14	V14-3762	Virginia Tech	71.69	b-h	20.08	51.18	5E	Conv
15	74K95nRS	USG	72.56	a-h	14.93	56.8	4.9	RR2Y/STS
16	CZ 4548	BASF	73.77	a-h	14.28	53.4	4.5	LL
17	V12-1416	Virginia Tech	73.96	a-h	20.65	48.8	5L	RR
18	7496XTS	USG	74.22	a-h	16.18	54.98	4.9	Xtend/STS
19	SH 4817 LL	Meherrin/Southern Harvest Seeds	74.33	a-h	15.48	56.78	4.8	LL
20	S45-K5X	Syngenta	74.77	a-h	14.9	55.35	4.5	RR2, Extend
21	7478XTS	USG	74.98	a-h	15.9	57.18	4.7	Xtend/STS
22	V13-3833	Virginia Tech	75.69	a-h	15.78	57.18	5E	Conv
23	47-D22	Armor Seed	76.48	a-h	14.7	52.58	4.7	RXtend
24	SH 5215 LL	Meherrin/Southern Harvest Seeds	77.22	a-h	15.78	57.4	5.2	LL
25	CZ 4649	BASF	70.88	c-h	17	52.6	4.6	LL
26	CZ 4820	BASF	70.23	c-h	14.28	53.5	4.8	LL
27	S46XS87	Dyna-Gro	69.57	d-h	15.55	54.8	4.6	X-TEND/STS

28	CZ 5328	BASF	67.9	e-i	16.45	53.48	5.3	LL
29	CZ 4748	BASF	67.67	e-i	14.63	53.33	4.7	LL
30	S48XS78	Dyna-Gro	66.37	f-i	14.68	54.03	4.8	X-TEND/STS
31	CZ 4540	BASF	63.5	ghi	14.9	54.78	4.5	LL
32	V14-4140	Virginia Tech	62.33	hi	15.48	54.65	4L	Conv
33	CZ 5242	BASF	54.1	i	17.41	49.53	5.2	LL

LSD P=.05	15.261	1.55	6.519
Standard Deviation	10.873	1.104	4.644
CV	14.5	6.93	8.43
Grand Mean	75.0	15.9	55.1

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

*Yield corrected to 13.8%

**Information provided by companies

"L"= Late maturity, "E"= Early maturity in Group column

Soybeans Full Season, Late 4s-5s, Mtown 2018 Replant
No LL or conventional beans in the final analysis

Trial Rank	Variety	Company/Institution	Yield bu/a		Moisture %	T.W.	Group	Traits**
1	MS 4616	MorSoy	96.02	a	12.65	61.43	4.6	RXT
2	74K95nRS	USG	95.12	a	12.98	60.43	4.9	RR2Y/STS
3	7487XTS	USG	94.53	a	13.13	61.3	4.8	Xtend/STS
4	MS 4846	MorSoy	91.15	ab	12.9	58.25	4.8	RXT
5	S46XS87	Dyna-Gro	90.05	abc	13.15	60.1	4.6	X-TEND/STS
6	47-D22	Armor Seed	89.53	abc	12.55	60.03	4.7	RXtend
7	45-D50	Armor Seed	88.95	abc	12.88	60.05	4.5	RXtend
8	49R9	Doebler's	83.75	a-d	12.88	59.25	4.9	RR
9	X46D63	Armor Seed	83.28	a-d	12.85	60.6	4.6	RXtend
10	V12-1416	Virginia Tech	82.75	a-d	13.23	60.43	5L	RR
11	7478XTS	USG	82.58	a-d	12.88	61	4.7	Xtend/STS
12	DB4817X	Doebler's	82.42	a-d	12.55	59.95	4.8	RR2X
13	7496XTS	USG	81.85	a-d	12.95	60.2	4.9	Xtend/STS
14	S45-K5X	Syngenta	81.32	a-d	12.53	59.38	4.5	RR2, Extend
15	S48XS78	Dyna-Gro	78.7	bcd	12.83	59.15	4.8	X-TEND/STS
16	45BR9	Doebler's	77.92	bcd	12.65	59.63	4.5	RR/STS
17	S48XT56	Dyna-Gro	75.53	cd	12.8	58.48	4.8	X-TEND
18	V13-0113	Virginia Tech	72.56	d	12.35	58.15	4L	RR
19	V12-0045R2	Virginia Tech	71.05	d	13.53	58.13	5L	RR2Y

LSD P=.05	15.177	0.202	2.67
Standard Deviation	10.691	0.143	1.881
CV	12.69	1.11	3.15
Grand Mean	84.24	12.8	59.7

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

*Yield corrected to 13.8%

**Information provided by companies

"L"= Late maturity in Group column

Soybeans, Double crop, Group 4.5-5+, GT Irrigated 2018

Trial Rank	Variety	Company/Institution	Yield bu/A*		Moisture %	T.W.	Group	Traits**
1	CZ 5150	BASF	71.15	a	13.7	57.03	5.1	LL
2	45-D50	Armor Seed	68.54	ab	13.63	56.33	4.5	RXtend
3	5215 LL	Meherrin/Southern Harvest Seeds	68.5	ab	13.58	57.17	5.2	LL
4	S48XS78	Dyna-Gro	66.36	abc	13.43	56.7	4.8	X-TEND/STS
5	S45-K5X	Syngenta	65.91	a-d	13.53	57	4.5	RR2, Extend
6	CZ 5328	BASF	65.75	a-d	13.53	56.2	5.3	LL
7	S46XS87	Dyna-Gro	65.3	a-d	13.83	56.83	4.6	X-TEND/STS
8	V12-1416	Virginia Tech	65.17	a-e	13.48	56.17	5L	RR
9	CZ 5147	BASF	64.72	a-f	13.58	56.83	5.1	LL
10	CZ 4820	BASF	64.58	a-f	13.28	56.93	4.8	LL
11	CZ 5242	BASF	63.79	a-f	13.33	57.27	5.2	LL
12	7478XTS	USG	63.36	a-g	13.4	56.63	4.7	Xtend/STS
13	CZ 4748	BASF	58.47	c-i	13.4	56.5	4.7	LL
14	CZ 4649	BASF	58.57	c-i	14.2	58.3	4.6	LL
15	7496XTS	USG	59.68	b-h	13.58	56.9	4.9	Xtend/STS
16	V13-3833	Virginia Tech	60.5	b-h	13.8	56.9	5E	Conv
17	47-D22	Armor Seed	61.46	b-h	13.38	56.83	4.7	RXtend
18	SH 4817 LL	Meherrin/Southern Harvest Seeds	61.8	b-h	13.48	56.3	4.8	LL
19	V14-3762	Virginia Tech	62.12	a-h	14.25	58.3	5E	Conv
20	DB4817X	Doebler's	62.19	a-h	13.53	56.33	4.8	RR2X
21	45BR9	Doebler's	62.42	a-h	13.48	57.2	4.5	RR/STS
22	CZ 4540	BASF	62.49	a-h	13.78	57.6	4.5	LL
23	MS 4616	MorSoy	62.83	a-h	13.38	56.6	4.6	RXT
24	V13-0113	Virginia Tech	62.92	a-h	13.1	56.8	4L	RR
25	X46D63	Armor Seed	58.21	c-i	13.63	56.37	4.6	RXtend
26	74K95nRS	USG	58.04	c-i	13.6	56.6	4.9	RR2Y/STS
27	S48XT56	Dyna-Gro	57.44	c-i	13.53	56.6	4.8	X-TEND
28	CZ 4548	BASF	57.02	d-i	13.33	57.23	4.5	LL
29	V14-4140	Virginia Tech	56.02	e-i	13.1	56.9	4L	Conv
30	49R9	Doebler's	55.8	f-i	13.5	57.13	4.9	RR

31	MS 4846	MorSoy	54.34	ghi	13.53	56.3	4.8	RXT
32	V12-0045R2	Virginia Tech	54.07	hi	14.4	56.53	5L	RR2Y
33	7487XTS	USG	50.12	i	13.88	56.2	4.8	Xtend/STS

LSD P=.05

9.261

0.258

0.84

Standard Deviation

6.598

0.184

0.515

CV

10.73

1.35

0.91

Grand Mean

61.51

13.58

56.83

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

*Yield corrected to 13.8%

**Information provided by companies

"L"= Late maturity, "E"= Early maturity in Group column