

## Fitting Soybean Varieties to Environments

(listed in alphabetical order, by maturity groups)

Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Planted		20	40	60
		Early	Late			
<b>Maturity Group IV</b>						
37RY47	-1.3	-0.6	-7.6	11	12	16
41RH22	-10.8	-5.8	-16.9			
444NR	-10.8	-14.4	9.8			
49LD02 #	14.3	11.2	27.4			
AG4730	1.5	0.8	8	14	14	12
AG4835	30.3	35.1	24.4			
AG4934	4.6	4.7	4	15	11	6
Armor 43-R43	-4.5	-2.3	-16.8			
Armor 44-R08	-2.2	1.2	-21.7			
Armor 46-R65	8.4	7	16.1			
Armor 47-R13	10.7	9.7	22			
Armor 48-R66	-11.8	-10.9	-22.3			
Armor 49-C3 #	-3.8	-3.8				
Armor 49-R56	1.2	1.4	-0.6			
CZ 4540 LL #	-12.4	-8	-21.7			
CZ 4590 RY	-21.1	-11.1	-33.3			
CZ 4748 LL #	-14.2	-13.9	-16.2			
CZ 4818 LL #	-18.7	-12.7	-31			
CZ 4959 RY	-4.5	-1.6	-14.3			
DB4214RS	-42.9	-37.4	-49.5			
DB4415RR	-4.3	-4.4	-3.6			
DB4715RR	9.9	9	12.9			
Ellis #	3.9	5.1	2			
HBK LL4650 #	-16.1	-15.4	-20.6			
HBK LL4653 #	-21.2	-16.2	-42.7			
HBK LL4850 #	-8	-3.7	-32.3			
HBK LL4950 #	0.3	-0.6	3.9			
HBK LL4953 #	7	6.8	7.8			
HBK RY4620	-6.3	-6.7	-3.6	18	18	18
HBK RY4721	2.7	2.5	4.6	4	5	7
Mycogen 5N479R2	21.4	21.5	21.2			
P 4613 RY	-1.4	-0.1	-8.6	16	16	15
P 4747 RY	-6	-6.8	2.9			
P 4757 RY	2.2	9.5	-6.6			
P 4788 RY	3.8	2.7	7.3			
P 4814 LS #	19.9	11	38.6			
P 4850 RY	10.8	11.2	8.3	5	4	3
P 4900 RY	2.6	3.1	-1	10	10	8

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**Fitting Soybean Varieties to Environments** (continued)  
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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Planted		20	40	60
		Early	Late			
P 4930 LL #	12.8	8	24.4			
P46T21R	14.1	13.3	19.2			
P48T53R	9.8	9.5	11.4	2	3	4
P49T80R	14.4	12.9	22.6	3	2	1
REV 47R34	9.5	13.7	4.5			
REV 49R94	0.6	-3.4	5.5			
S43-K1	-3.2	-2.6	-9.7			
S43RY95	-10	-13.7	-5.6			
S46RY85	-9.8	-7.4	-17.5			
S47-K5	-2.4	-2.8	-0.9			
S48-P4	2.1	2.1	2.7	9	9	11
S48RS53	6.1	6.3	5.3	8	6	5
S49-F8	1.3	1.9	-2.2	17	17	14
S49RY25	0.4	-0.8	4.3			
SH 4715LL #	-11.3	-10	-20.4			
SH 4913LL #	7.2	4.3	25.1			
SS 4700 R2 STS	3.5	3.2	7.2	7	8	10
SS 4714NS R2	3	4.6	-2.3			
SS 4725NS R2	12.9	12.4	15.7	1	1	2
SS 4913N R2	2.4	2.8	-2.2			
SS 4915NS R2	29.8	29.5	30.2			
SS 4917N R2	1.1	1.9	-3.4	13	13	13
Steyer 4402R2	5.1	8.5	1			
Steyer 4602R2	-1.6	1.7	-5.7			
USG 74A74RS	2.3	-0.8	6.2			
USG 74A79R	-3.3	-2.9	-7.4	12	15	17
USG 74B81R	2.9	4.1	-8.1	6	7	9
USG 74B94RS	-6.7	-4.1	-21.8			
USG 74D95RS	18.2	22.1	13.4			
USG 74G74LS #	-3.5	-3.5				
USG 74G99L #	0.5	-1.7	15.8			
USG 74K95RS	20.2	25.8	13.3			

**Maturity Group V**

32RY55	9.3	8.6	10.5	13	9	5
39RY57	4.6	5.7	3.2	44	33	9
511R4	-3.8	0.5	-9			
51LE20 #	4.9	3.3	8.1			
51RD02	-1.9	-1.8	-2.1	23	30	42
51RH20	-12.1	-16	2.2			

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**Fitting Soybean Varieties to Environments** (continued)  
(listed in alphabetical order, by maturity groups)

Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Planted		20	40	60
		Early	Late			
522L4 #	7.6	11	0.6			
54LE23 #	5.3	2	9.9			
58LC23 #	-1.8	0.2	-6.5	49	47	35
95M82	0.3	-0.9	1.9	26	29	38
AG5233	-4.1	0.2	-9.9	60	60	43
AG5533	8.8	9.3	7.8	41	22	1
AG5535	1.1	-0.9	4.3	27	27	31
AG5633	-8.4	-11.2	-5.5	31	48	60
AG5732	-1.5	-2.6	0.1	46	45	39
AG5831	-4.9	-6	-3.5	45	51	48
AG5935	5.1	2.8	7.4	33	20	18
AGS 533 LL #	2.8	-0.6	7.9			
AGS 568 RR	-5.1	-3	-7.7	25	40	55
AGS 5911 LL #	2	-0.9	8.8	19	17	33
Armor 50-R44	-7.1	-10.4	-3.1			
Armor 53-R16	6.7	4.4	9.7	9	11	17
Armor 55-R22	8.9	6.1	12.9	10	7	4
CZ 5147 LL #	-45.3		-45.3			
CZ 5150 LL #	-5.6	0.1	-25.1			
CZ 5225 LL #	-38.1		-38.1			
CZ 5242 LL #	-9	-0.5	-38			
CZ 5445 LL #	-47.1		-47.1			
CZ 5515 LL #	-24.6		-24.6			
CZ 5727 LL #	-2.4	-5.3	1.7			
CZ 5947 LL #	-5.1	0.8	-13			
DB5215RR	-9.7	-5.1	-15.3			
DB5416RR	7.3	3.5	21.3			
DB5710RR	-2.9	0.5	-6.5	52	53	40
Fowler #	7	7.4	6.2	6	6	10
HBK RY5221	-6.1	-5.7	-6.7	42	52	54
HBK RY5421	-1.5	-3.2	0.7	56	54	36
Hutcheson #	-6.1	-2.8	-13	58	57	51
Jake #	7.2	7.3	7	5	5	12
JTN-5110 #	3.8	1.5	6.9			
JTN-5203 #	2.9	-2.2	17.9	1	2	32
JTN-5303 #	6.8	5.6	9.7	2	1	19
JTN-5503 #	3.3	1.4	8.2	3	3	28
LL 513N #	7.4	7.8	6.8			
LL 563N #	1	0.8	1.7			
LL 5914NS #	0.6	2.4	-1.7			
LL 595N #	-4.3	-5	-1.6	36	44	47

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**Fitting Soybean Varieties to Environments** (continued)  
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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Planted		20	40	60
		Early	Late			
MFS-561 #	-6.4	-4	-22.5			
Mycogen 5N550R2	0.6	-1.7	8.9			
NC-Miller #	3.4	4.1	1.9	57	50	16
Osage #	4.5	6.9	-0.3	53	41	11
Ozark #	7	3.5	13.9	4	4	7
P 5160 LL #	6.6	5.7	8.5	35	18	6
P 5213 RY	-6.1	-4.1	-9.2	48	55	53
P 5220 LS #	0.2	2.9	-5.4			
P 5226 RYS	2.2	-0.7	13.2			
P 5333 RY	5.4	5.4	5.5	32	19	13
P 5414 LS #	16.1		16.1			
P 5460 LL #	-2.4	-4.6	2.2	47	49	41
P 5555 RY	6.5	5.5	8	12	12	20
P 5610 RY	1.3	-0.2	3.4	22	21	34
P 5752 RY	10.3	-0.7	17			
P 5960 LL #	-2.9	-5	3.6	16	26	49
P52T50R	3.6	4.1	2.8	50	39	15
P52T886R	-4.8	-4.1	-5.6			
P53T73SR	-1	-3.2	2.6	20	25	45
P56T03R2	-5.5	0.7	-11.9	17	34	56
P56T12SR	-0.3	-3.3	1.5			
P56T29R2	9.4	-1.1	15.9			
REV 55R53	3.8	4.5	2.7	39	31	22
REV 56A54	-5.4	-3.7	-7.5			
REV 56R63	0.5	-0.7	2.2	37	36	30
REV 57R21	-3.1	-1.7	-4.9	43	46	44
S52RY75	2.8	3.2	2.2	34	28	24
S52-Y2	-1.3	3.3	-8.4	59	56	27
S53RY23	-3.8	-1.5	-6.7	28	37	50
S55LS75	-12.5		-12.5			
S55-Q3	10.1	7.1	15	18	10	2
S56-G6	0.2	1.4	-1.4	29	32	37
S56RY84	-2.4	-2.6	-2.2	11	23	52
S57RY26	-2.1	-11.9	3.8			
S59LS45	-2.2	-4.3	0.6			
S59-V9	3.6	-0.6	7.9	15	16	26
SH 5215LL #	8.8	9.7	7.7			
SH 5515LL #	4.7	6.6	2.2			
SH 5614LL/STS #	-1.2	-1.6	0			
SH 5912LL #	-3.6	-3.8	-3.3	30	38	46
SH 5915LL #	-1.8	1.1	-5.8			

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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Planted		20	40	60
		Early	Late			
SS 5213N R2	-2.4	-2.9	-1.9			
SS 5215NS R2	1.1	-3.9	19.4			
SS 5511N R2	10.2	9.6	11	14	8	3
SS 5513N R2	7.5	5.8	10.1	21	14	8
SS 5615N R2	5.8	-3.2	11.3			
SS 5711N R2	2.8	4.3	1	40	35	23
SS 5911N R2	3.5	1.3	6.8	51	43	21
Steyer 5302R2	10.3	7.6	20.7			
UA 5213C #	3.9	3.2	5.1	7	13	25
UA 5414RR	-9.4	-7.7	-12	55	58	57
UA 5612 #	5.2	5.8	3.7	38	24	14
UA 5814HP #	11.1		11.1			
USG 75B75R	9.7	2.4	14.2			
USG 75G24L #	-17.9		-17.9			
USG 75G25L #	4.9	-0.2	15.6			
USG 75G65LS #	4.1	5.3	2.5			
USG 75G95LS #	1.5	3.5	-1.2			
USG 75J45R	2.1	-0.1	10.2			
USG 75J50R	-6.6	-8.2	-4.4	24	42	58
USG 75J62R	-9.4	-7.6	-11.8	54	59	59
USG 75J90R	3.2	0.7	6.7	8	15	29
USG 75T40	-4	-1.8	-12.3			

**Maturity Group VI**

36RY68	3.5	4.3	2.3	14	14	4
61RF00	-5.6	-8.7	-0.4	4	8	19
6202-4	-0.4	-3.3	3.7	3	4	14
AG6536	10.1	2	21.2			
AG6732	0.1	-2.4	3.6	1	2	12
AG6834	0.1	2.8	-3.5	15	15	9
AG6931	-7	-6.1	-8.3	16	17	16
AGS 674 LL #	4.7	5.2	4.1			
Armor 61-R14	-0.7	-6.5	8			
Armor 67-R90	4.8	3.9	6.2			
CZ 6060 RY	-2.4	-3.1	-1.4			
CZ 6109 LL #	-8	0.5	-19.8			
CZ 6316 LL #	-8.9	-4.1	-15.7			
CZ 6515 LL #	-0.9	-0.3	-1.6			
DB6012RR	-4.5	-3.5	-5.8	2	6	17
DB6516RR	17.8	4.4	35.9			

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**Fitting Soybean Varieties to Environments** (continued)  
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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Planted		20	40	60
		Early	Late			
LL 6314S #	7.5	4.6	11.6			
NC-Roy #	2.1	3.6	-3.5	7	3	10
P 6215 RY	1.2	-0.8	4			
P 6355 LL #	-1.8	-1.9	-1.7			
P 6710 RY	5.4	4.8	6.2	10	7	3
P67T25R2	0.2	-2.8	4.3			
S61RY93	-2.4	-0.5	-5	18	18	11
S64LS95 #	-1.9	10.2	-18.8			
S65RY73	-7	-2.3	-12.9	19	19	13
S67-R6	7.9	7.2	8.8	5	1	2
S67RY25	-12.9	-3.3	-25.9			
S69RY34	-5.1	-6.6	-3.1	6	9	18
SH 6215LL #	1.7	1.8	1.7			
SH 6515LL #	5.8	12.4	-3.4			
SH 6815LL #	0.3	0.5	0.1			
SS 6315 R2	-2.3	-6.6	3.7			
SS 6713N R2	3.3	2.8	3.9	13	10	5
SS 6810N R2	2.4	3.6	0.7	12	12	7
USG 76G10L #	-4.2	-4.2	-4.1	8	11	15
USG 76G15LS #	0	3.8	-5.3			
USG 76G45LS #	5.7	13	-4.6			
USG 76G75L #	3.8	4.3	3.1			
USG 76J45R	3.7	-1	10.2			
USG 76S22R	1.9	2	1.8	17	16	6
USG 76S73R	7.1	7	7.2	9	5	1
USG 76S90R	1.6	1.4	1.9	11	13	8

**Maturity Groups VII & VIII**

34RY75	4	0	11.9	4	3	6
AG7231	5.6	5.4	6			
AG7535	10.8	12.7	6.4			
AG7934	9.2	7.3	12.6	5	2	1
AGS 738 RR	1.4	0.5	3.6			
AGS 757 RR	-1.8	-0.7	-5.3	14	14	12
AGS 828 RR	-6.1	-7.4	-2.9			
AGS Woodruff #	2.5	0.9	5.9	8	10	9
Cheraw #	-2.9	-5.5	3.2			
CZ 7007 LL #	-4.8	-1.2	-9.6			
CZ 7070 RY	-2.8	-3.7	-0.6			
CZ 7132 LL #	-1	5.2	-9.2			

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	Overall	Planted		20	40	60
		Early	Late			
DB7213RR	-6.7	-6.6	-6.8	13	16	17
HBK RY7523	-4.6	-2.9	-7.4	12	15	16
N7003CN #	7	6.6	8	6	4	4
N8001 #	-3.6	-0.9	-9.2	16	17	13
NC-Raleigh #	-3.4	-1.5	-8.4	11	12	14
P 7215 RS	4	5	1.6			
P 7310 RY	8	8.2	7.6	10	8	2
P76T54R2	3.5	3.2	4.5			
Paul #	0.6	0.2	1.5			
REV 73A74	-7.9	-8.8	-5.2			
S72RS36	-3.2	-3.5	-2.2			
S74-M3	7.7	8.6	5.6	9	7	3
S74RY15	-0.2	0.3	-1.5	15	13	10
S77RY85	3.5	4	2.2			
S77-T7	2.8	3.4	1.6	7	9	7
S78-G6	-4	-4.9	-2.3	2	5	15
S79-B9	0.3	-2	5	1	1	11
S79RY05	-7.5	-8.2	-5.8			
Santee #	-12	-4.6	-21.9			
SH 7116LL #	-8	-6.8	-9.6			
SS 7215N R2	3.1	1.2	7.6			
SS 7511N R2	1.5	3.1	-1.8	3	6	8
USG 77J25RS	1.1	-1.1	6.3			
USG 77S13R	-5.7	-5.5	-6			
USG 77S40R	5.5	7.2	2.1	17	11	5
USG 77S63R	-1.1	-0.7	-1.8			
USG 78S04R	-8.1	-9.3	-4.9			

# Not Roundup-Ready

\* Percent above (+) or below (-) the average yield of all varieties of the same maturity group at the same locations in the NC Official Variety Tests (OVT) in 2011 through 2015.

\*\* Rank within its maturity group of predicted yield in a 20-, 40-, or 60-Bu/A environment, based on yield results (minimum of 10 locations) in NC Official Variety Tests (OVT) in 2011 through 2015.