

## Fitting Soybean Varieties to Environments

(listed in alphabetical order, by maturity groups)

Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Early	Late	20	40	60
<b>Maturity Group IV</b>						
37RY47	5.5	5	10	9	6	8
39RY43	1.2	1.2				
458.RCS	-3.7	-3.7				
4712R2	-30.7	-30.7				
478.RCS	3.1	3.4	1.2	20	18	9
48RD00	-0.8	-1.5	6.7	30	30	26
4990.RC	0.8	-0.1	8.5	12	17	24
94Y61	0.2	0.2				
94Y70	4.6	4.8	2.3	8	8	15
94Y81	1	2	-5.3			
94Y90	4.2	4.2	3.9	6	5	14
AB 0077	-1	-1				
AG4730	3.4	2.6	11.2	22	19	7
AG4933	5.1	5.1	5.2	16	10	4
Armor 47-R13	17.4	17.4				
Armor 48-R40	-9	-9				
Armor 48-R66	-11.2	-11.2				
Armor 49-R56	-7	-7				
DB4013RR	4.9	4.9				
DB4512RR	-13	-12.7	-15.4	19	26	31
DK 4744	2.5	2	7.7	28	28	18
Halo 4:94LL #	3.5	4.4	1.4			
Halo 4:95LL #	-5.5	-5.5	-5.6			
Halo 4:97LL/STS #	-1.3	1.8	-9.3			
Hanover #	-5.3					
HBK LL4650 #	-17.4	-16.2	-20.6			
HBK LL4653 #	-24	-17	-42.2			
HBK LL4850 #	-7.7	1.7	-32.4			
HBK LL4950 #	8.3	9.8	4.3			
HBK LL4953 #	15.7	19.1	6.8			
HBK RY4620	-1.5	-2.3	7.1	29	29	28
HBK RY4721	4.5	4.5	4.7	4	3	5
LL 499N #	-9.6	-11.1	-1.1			
P 4211 RY	-10.7	-10.7	-9.9	31	31	30
P 4313 RY	-8.9	-8.9				
P 4510 RY	1.3	1	3.6	14	16	22
P 4560 LL #	-6.7	-5.5	-9.7			
P 4613 RY	2.2	2.2				
P 4710 RY	5.6	5.1	11.7	2	2	6
P 4747 RY	-9.3	-9.3				

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**Fitting Soybean Varieties to Environments** (continued)  
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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Early	Late	20	40	60
P 4819 LL #	2.7	3.4	-1.2			
P 4850 RY	13.3	13.5	10.7	1	1	1
P 4900 RY	3.9	3.4	9.2	17	14	10
P 4928 LL #	-3.2	-6	12.5	23	22	27
P 4930 LL #	22.1	17.6	33.8			
P48T53R	4.2	4.2				
P49T80R	15.7	15.7				
REV 48R22	3.7	3.6	4.5	18	13	3
REV 49R11	-7.7	-6.6	-15.1	21	25	29
REV 49R22	-0.7	-1.1	2.6	15	20	25
RT 4700R2	4.4	4.7	0.1	13	12	16
S43-K1	-1.9	-1.9				
S46-L2	-3.9	-3.9				
S48-P4	3.1	3.5	-0.1	7	7	13
S49-F8	2.1	11	1.6	26	21	2
S54RY43	-1.8	2.6	-2.3	27	27	20
SH 4714LL/STS #	1.1	4.7	-8.6			
SH 4913LL #	7.6	5.4	20.6			
SS 4711NR2	15	15				
SS 4725NS R2	16.8	16.8				
SS 4913N R2	4.5	4.5				
SS 4917N R2	0.1	0.7	-6	24	24	23
Steyer 4203R2	-14.7	-14.7				
Steyer 4501R2	-4.3	-4.3				
USG 74A79R	1.9	1.6	4.9	11	15	21
USG 74A91	4.9	5.1	2.7	10	11	17
USG 74A92R	6.1	6.4	4.3			
USG 74B58	-2.7	-2.7	-2.6	25	23	12
USG 74B81R	4.6	5.1	-2.2	3	4	11
USG 74F96	3.7	3	8.2	5	9	19
USG 74G82L	5.5	5.9	3.4			

**Maturity Group V**

32A53	4.4	5.5	0.5	32	9	9
32RY55	10.6	8.9	13.3	1	1	1
33C59	3.5	2.7	6	4	8	40
39RY57	3	3.5	2.3	27	18	15
5220.RC	-9.8	-7.3	-13.7	48	54	55
53LD80	1.9	1.6	2.5			
54LD00	-3.2	-3.3	-3.1			
54LE23	12.2	10.8	14.5			

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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Early	Late	20	40	60
557.RC	3.3	5.4	-1	21	13	17
58LA02	-11.9	-18	3.6			
58LC23	-2	0	-7.3			
95M82	-0.6	-3	3.9	22	28	33
95Y40	1.6	5.6	-4.8	18	17	25
95Y50	-1.6	0.8	-5.3	28	36	35
95Y71	-2.5	0.1	-6	19	34	42
AG5233	-1.1	3.2	-7.1	56	55	23
AG5533	9.7	10.8	8.1			
AG5534	-0.1	-0.3	0.2			
AG5633	-12	-17.1	-6.6			
AG5634	-7.4	-7.9	-6.9			
AG5732	1.4	-0.6	4.7	47	39	16
AG5831	-5	-6.3	-3.2	24	42	49
AGS 533 LL #	3.5	-0.7	11.6			
AGS 568 RR	-3.1	-2.9	-3.5	12	30	48
AGS 5911 LL #	1.9	-0.9	9.4			
AGS 597 RR	1.4	0.6	3.2	11	12	32
Allen	-2.9	-3.5	-1.1	41	40	26
Armor 53-R16	6.8	6.6	7.1			
Armor 53-R88	-0.6	0.2	-1.7			
Armor 55-R22	6.7	5.4	8.6	20	5	3
DB5711RR	1.1	2.3	-0.4	26	23	24
Fowler #	1	2.2	-1.5	37	31	18
Glenn #	-4.4	-8	3.6	39	46	43
Go Soy 5010LL #	9.4	3.5	20.9			
Go Soy 5312LL #	6.7	2.6	12.9			
Go Soy 5410LL #	-1.7	-6.2	7.2			
Go Soy 5911LL #	-4	-3.2	-6.3			
Halo 5:01-5LL #	10.1	5.6	16.9			
Halo 5:01LL #	9	8.6	10			
Halo 5:26LL #	6.7	6.7	6.6			
Halo 5:45LL #	11.4	1.4	26.5			
HBK LL5350 #	-8.4	-6	-12.1			
HBK RY5421	-3.1	-3.7	-2.2	55	53	34
HBK RY5521	-2.7	0.2	-6.9			
Hutcheson #	-6.7	-4.8	-10.9	50	51	44
Jake #	4.6	4.1	5.7	34	14	5
JTN-5110 #	14.1	6.4	25.8			
JTN-5203 #	-3.4	-7.6	5.9	8	29	50
JTN-5303 #	1.2	0.5	2.8	35	26	20
JTN-5503 #	0.2	0.1	0.3	14	21	36

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	Overall	Early	Late	20	40	60
LL 511N #	4.9	4.4	5.9	31	10	10
LL 513N #	8.5	5.2	13.5			
LL 563N #	2.6	3.1	1.8			
LL 595N #	-6.9	-9.8	-0.5	51	52	45
NC-Burton #	-4.2	-8.9	7.9			
NC-Miller #	1.2	-1.6	7.3	52	41	8
Osage #	3.1	2.7	4.1	46	27	4
Ozark #	7.6	2.9	16.7			
P 5111 RY	-3.5	-3.5	-3.6	42	47	39
P 5160 LL #	4.1	5	1.6	23	11	12
P 5210 RY	8.2	7.4	9.7	2	2	11
P 5213 RY	2.9	7.8	-3.7			
P 5330 RR	2.1	3.1	0	25	19	19
P 5333 RY	7.9	10.3	4.7			
P 5460 LL #	-6.6	-9.1	-0.3	33	48	51
P 5555 RY	9.7	7.8	12.3			
P 5610 RY	0.7	-0.4	2.5	10	15	37
P 5711 RY	-1.2	-0.3	-2.5	36	38	30
P 5960 LL #	-5.3	-9.2	4.6	45	49	41
REV 54R10	4.5	5.8	1.6	30	7	2
REV 56R21	-0.9	0.8	-3.6	13	24	46
S48RS53	10.1	10.1	-12.6			
S52-Y2	0.6	0.2	3.8			
S53RY23	1.7	-1.3	-3.1	38	35	22
S54-V4	-1.9	-3	-0.1	16	25	38
S56-G6	1.3	2.7	-0.6	17	20	28
S56RY84	-0.2	-3.8	3.7			
SB5213RR	-6.5	5.4	-22.9			
SH 5212LL #	-1.6	-4.1	3.4			
SH 5512LL #	9	7.4	12.1			
SH 5614LL/STS #	2.4	4	0.1			
SH 5912LL #	-1.6	-0.8	-3.1			
SS 5112N R2	-7.8	-8.4	-6.9	40	50	52
SS 5312N R2	-2.5	-3.2	-1.4	43	45	31
SS 5510N R2	-2.7	-3.3	-1.7	3	22	53
SS 5511N R2	7.2	7.9	6.2	9	3	7
SS 5513N R2	7.6	3.5	13.2			
SS 5711NR2	0.9	2	-0.4	49	44	21
SS 5911N R2	4.6	3.6	5.7	53	43	6
Steyer 5101R2	-1.3	3.5	-8			
Steyer 5301R2	-4.8	1.1	-12.8			
UA 5213 #	9	7.6	11.2			

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	Overall	Early	Late	20	40	60
UA 5612 #	1	-1.1	4.6	44	37	14
USG 7553nRS	-0.7	-0.9	-0.1	29	32	29
USG 75G90L #	-9.8	-11.6	-3.8			
USG 75J50R	-5.6	-6.7	-3.7	5	33	56
USG 75J62R	-9.7	-9	-10.6	54	56	54
USG 75J90R	3.3	1.4	6.1	6	4	27
USG 75Q42R	-0.3	0.4	-1.3			
USG 75Q52R	-1.5	-1	-2.2			
USG 75Z38	4.4	3.7	5.8	15	6	13
USG 75Z98	-0.5	-0.2	-1.2	7	16	47

**Maturity Group VI**

36RY68	3.3	2.6	4.2	13	8	5
6202-4	4.3	4.8	3.4	2	3	10
96M60	-5.9	-3.6	-9.9	11	14	15
AG6132	-5.5	-6.9	-3.3	3	12	17
AG6534	-3.1	-2.4	-3.8			
AG6732	2.5	0.3	5.4	1	2	12
AG6834	3	2.3	3.8			
AG6931	-7.7	-8.1	-7.1	14	16	16
AGS 6011 LL #	-0.3	1	-6.1			
DB6012RR	-4.2	1.1	-10			
NC-Roy #	5.1	5.3	4.8	5	4	8
P 6710 RY	4	2.6	6	12	6	4
S61-Q2	1.9	1.3	3.2	8	9	9
S61RY93	3.8	5.3	2	16	15	2
S65RY73	-5.6	-1.1	-10.5	17	17	13
S67-R6	9.9	9.5	10.4	4	1	1
S68-D4	-10.3	-8.3	-19			
S69RY34	0.1	-3.9	4.4			
SS 6713N R2	1	2.3	-0.4			
SS 6810N R2	2.2	3.1	0.9	10	10	7
USG 76G10L #	-1.7	-4	4	6	11	14
USG 76S22R	2	1.9	2.1	15	13	6
USG 76S90R	1.1	-0.3	3	7	7	11
V61N9RR	5.7	5.8	5.4	9	5	3

**Maturity Groups VII & VIII**

34RY75	6.5	3	12			
97M50	-7.7	-7.2	-8.9	11	12	11

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**Fitting Soybean Varieties to Environments** (continued)  
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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Early	Late	20	40	60
AG7231	1.7	0	4.3	12	8	5
AG7733	1.5	5.3	-3.4			
AG7934	9.2	10.8	8.2			
AGS 70R26	-1.1	-10.3	4.9			
AGS 75R27	9.4	16.6	4.8			
AGS 767 RR	-2.5	-1.4	-3.1			
AGS 787 RR	-4.5	0	-10.3			
DB7213RR	-3.8	3.4	-8.5			
HBK R7028	-3.5	-3.4	-3.9			
HBK R7200	-11.2	-12.5	-7.9			
HBK RY7523	-6.8	-4.3	-8.4			
N7002 #	-3.3	-3.5	-3	5	7	9
N7003CN #	9.6	9.3	9.9	2	1	1
N8001 #	-4.6	-3.2	-6.7	9	11	10
NC-Raleigh #	1.3	4.3	-3.5	1	5	12
P 7310 RY	6.8	8.5	4.2	8	4	2
S74-M3	7.2	8.2	5.7			
S77-T7	3.9	7	-0.1			
S78-G6	-3.6	-1.5	-7.9	7	9	8
S79-B9	-1.9	-3.4	0.4	6	6	6
SS 7511N R2	4.4	6.2	1.6			
USG 76S73R	1.1	2.2	0			
USG 7732nRR	-3.5	-6	0.8	10	10	7
USG 77S13R	0	-4.2	2.8			
USG 77S40R	5	7.1	1.7	4	3	4
USG 77S63R	-3.8	1.1	-7			
V76N9RR	5.7	6.9	1.5			
Woodruff #	7.6	4.1	12.8	3	2	3

# Not Roundup-Ready

\* Percent above (+) or below (-) the average yield of all varieties of the same maturity group at the same locations in NC Official Variety Tests (OVT) in 2009 through 2013.

\*\* 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 2009 through 2013.



