

## 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	0.9	1.2	-1.9	7	10	16
458.RCS	-3.8	-3.8				
4712R2	-30.7	-30.7				
478.RCS	3	3.2	1.2	13	12	4
48RD00	-1	-1.8	6.5	21	20	19
4990.RC	1.4	0.6	8.4	5	9	17
94Y70	3.8	4.2	0	4	6	9
AB 0077	-1.1	-1.1				
AG4730	2.1	1.3	9.5	15	13	8
AG4933	4.8	4.8	5.1	11	7	3
AG4934	1.3	3.1	-17.7			
Armor 43-R43	-4.6	-2.5	-17			
Armor 44-R08	-2.4	1	-21.8			
Armor 46-R65	8.2	6.9	15.9			
Armor 47-R13	10.6	9.6	21.8			
Armor 48-R40	-9.1	-9.1				
Armor 48-R66	-11.9	-10.9	-22.4			
Armor 49-C3	-3.9	-3.9				
Armor 49-R56	1.1	1.3	-0.8			
Beck's 444NR	-11	-14.6	9.6			
DB4013RR	4.8	4.8				
DB4415RR	-4.4	-4.5	-3.8			
DB4715RR	13.5	10.4	31.4			
DK 4744	2.2	1.7	7.6	19	19	13
Ellis #	3.5	5	0			
Halo 4:40LL #	2	2				
Halo 4:76LL #	1.4	1.4				
Halo 4:94LL #	3.7	4.6	1.5			
Halo 4:95LL #	-4.5	-4.3	-5.6			
Halo 4:97LL/STS #	-1.5	-0.2	-9.3			
HBK LL4650 #	-16.2	-15.4	-20.6			
HBK LL4653 #	-17.4	-13.1	-42.2			
HBK LL4850 #	-8	-3.8	-32.3			
HBK LL4950 #	6	6.2	4.4			
HBK LL4953 #	11.5	12.3	6.8			
HBK RY4620	-6.4	-6.7	-3.7	20	21	21
HBK RY4721	2.7	2.5	4.5	1	2	6
P 4211 RY	-10.9	-11	-10	22	22	22

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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 4510 RY	1.1	0.9	3.6	8	11	15
P 4560 LL #	-6.5	-5.3	-9.7			
P 4613 RY	0.2	-0.2	4			
P 4747 RY	-6.1	-6.9	2.7			
P 4788 RY	4.2	2.6	13.3			
P 4850 RY	10.5	10.4	11.1	2	1	1
P 4900 RY	3.6	3.4	5	6	4	5
P 4928 LL #	-4.3	-6	12.9	17	17	20
P 4930 LL #	22.3	17.9	33.9			
P46T21R	14	13.1	19			
P48T53R	12.2	10.1	35.1			
P49T80R	16.4	15.8	23.3			
S43-K1	-3.3	-2.7	-9.9			
S46-L2	-4	-4				
S46RY85	-8.3	-6.3	-19.5			
S47-K5	-0.9	-2.6	8.6			
S48-P4	1.2	1.8	-3.7	14	15	12
S48RS53	5.1	5.1	4.7	9	5	2
S49-F8	1.9	2.3	-2.4	18	18	14
S49RY25	-1.8	-2.3	1.6			
SH 4714LL/STS #	1.2	5	-8.6			
SH 4715LL #	-9.4	-9.4				
SH 4913LL #	7.4	5.9	20.7			
SS 4700 R2 STS	3.7	3.7	3.5	10	8	7
SS 4714NS R2	2.4	4.2	-8	16	16	11
SS 4725NS R2	11.2	10.6	18.5			
SS 4913N R2	2.3	2.7	-2.4			
SS 4917N R2	1.3	2	-4.5			
Steyer 4203R2	-14.8	-14.8				
Steyer 4501R2	-4.4	-4.4				
USG 74A79R	-0.8	-0.6	-2.5	12	14	18
USG 74B81R	2.8	4		3	3	10
USG 74B94RS	-6.9	-4.3	-22			
USG 74G74LS #	-3.6	-3.6				
USG 74G82L #	5.5	5.9	3.5			
USG 74G99L #	3.3	3.3				

**Maturity Group V**

32RY55	9.7	8.5	11.5	5	3	3
39RY57	5.3	5.9	4.6	34	20	7

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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Planted		20	40	60
		Early	Late			
51LE20 #	4.9	3.3	8.1			
51RD02	-1.9	-1.8	-2.1	14	19	34
54LD00 #	-3.4	-3.6	-3			
54LE23 #	5	1.9	10.6			
557.RC	1.7	3.4	-1	23	22	25
58LC23 #	-2	-0.1	-7.1			
95M82	-0.3	-2.1	2.1	25	28	33
95Y40	1.8	5.8	-4.7	22	17	24
95Y71	-2.3	0.3	-5.8	21	30	38
AG5233	-4.1	0.1	-9.9	53	52	35
AG5534	0.2	-0.1	0.5			
AG5535	0.3	-0.6	1.4			
AG5633	-11.3	-12.5	-9.9	41	50	54
AG5634	-7.2	-7.8	-6.7			
AG5732	-1.5	-2.6	0.1	42	39	31
AG5831	-4.1	-4.6	-3.5	29	37	42
AG5935	8.2	2.1	15.8			
AGS 533 LL #	3.5	-0.7	11.8			
AGS 568 RR	-3.6	-2.3	-5.5	18	34	50
AGS 5911 LL #	1.9	-1	9.6			
Armor 50-R44	-7.1	-10.4	-3.1			
Armor 53-R16	6.7	4.4	9.8	6	8	10
Armor 53-R88	-0.4	0.4	-1.5			
Armor 55-R22	8.9	6.1	12.9	8	4	2
Beck's 511L4 #	-3.8	0.5	-9			
Beck's 522L4 #	7.6	11	0.6			
DB5215RR	-9.7	-5.1	-15.3			
DB5710RR	-0.3	3.2	-4.6			
Fowler #	3.2	3.4	2.7	33	24	14
Glenn #	-4.8	-8.6	4.9	36	41	40
Go Soy 5010LL #	9.4	3.4	21.1			
Go Soy 5312LL #	6.6	2.4	13.1			
Go Soy 5410LL #	-1.7	-6.2	7.3			
Halo 5:01-5LL #	8.4	5.7	17.1			
Halo 5:01LL #	4	3.4	5.5			
Halo 5:25LL #	-0.3	-1.4	2			
Halo 5:26LL #	3.2	4.6	0.8			
Halo 5:45LL #	3.4	0.5	8.5			
HBK LL5350 #	-8.6	-6.3	-12			
HBK RY5221	-6.1	-5.7	-6.6	35	43	49
HBK RY5421	-1.5	-3.3	0.8	48	46	29

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Variety	% +/- MG Avg. *			Predicted Rank @ XX Bu/A **		
	Overall	Planted		20	40	60
		Early	Late			
Hutcheson #	-6.5	-4.9	-10.2	43	47	44
Jake #	4.1	3.3	5.9	27	15	13
JTN-5110 #	5.6	1.5	13.1			
JTN-5203 #	-1.7	-5	6.2	16	25	39
JTN-5303 #	1.7	1.7	1.4	30	26	21
JTN-5503 #	0.6	0.2	1.5	15	16	32
LL 513N #	9	7.7	11.2			
LL 563N #	1	0.7	1.9			
LL 595N #	-8	-9.3	-3.7	45	48	48
MFS-561 #	-4	-4				
NC-Miller #	2	-0.8	8.5	47	38	9
Osage #	3.8	3.8	3.8	40	27	8
Ozark #	7	3.4	14.1	1	1	6
P 5160 LL #	4.1	5	1.7	26	14	17
P 5213 RY	-5.5	-1.9	-10.2	50	49	41
P 5220 LS #	0.2	2.9	-5.4			
P 5333 RY	7	7.8	6.1	24	10	5
P 5460 LL #	-3.5	-5.1	0.2	37	40	36
P 5555 RY	7	6.6	7.6	3	5	11
P 5610 RY	1.6	0.5	3.3	13	13	28
P 5960 LL #	-6.1	-9.3	4.8	38	42	46
P52T50R	4.2	6.2	1.7			
P52T86R	-4.8	-4.1	-5.6			
P53T73SR	-0.7	-1.9	0.8			
P56T03R2	-8.8	0.7	-20.4			
REV 55R53	3.5	5.2	1.3	51	44	15
REV 56A54	-5.4	-3.8	-7.5			
REV 56R63	0	-0.6	0.9	31	31	27
S52RY75	0	1.2	-1.6			
S52-Y2	-2.1	4	-10	54	53	22
S53RY23	-3.8	-1.6	-6.7	20	32	43
S54RY43	-0.8	0.8	-3	49	45	26
S55-Q3	9.6	7.8	11.8			
S56-G6	0.8	2.3	-1.4	19	21	30
S56RY84	-2.4	-2.8	-2	4	12	45
S59-V9	1.8	-3.7	8.7			
SH 5212LL #	-1.6	-4.2	3.5			
SH 5215LL #	9.4	9.7	8.8			
SH 5512LL #	9	7.3	12.3			
SH 5515LL #	7.1	6.6	8.2			
SH 5614LL/STS #	-1.2	-1.7	0.2			

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	Overall	Planted		20	40	60
		Early	Late			
SH 5912LL #	-4	-4.3	-3			
SS 5213N R2	-2.4	-2.9	-1.9			
SS 5511N R2	9.7	9.1	10.7	10	7	1
SS 5513N R2	8.7	6.7	11.3	7	6	4
SS 5711N R2	3	4.1	1.6	32	23	18
SS 5911N R2	3.5	1.3	6.8	44	36	16
Steyer 5101R2	-1.1	3.8	-7.8			
Steyer 5301R2	-4.5	1.3	-12.6			
UA 5213C #	4.6	3.1	7.1	2	2	20
UA 5414RR	-9	-6.4	-12.7	52	54	51
UA 5612 #	3.1	1.6	7.4	39	29	12
USG 7553nRS	-2.6	-3.8	-0.3	28	35	37
USG 75G25L #	4.9	-0.2	15.6			
USG 75J50R	-5.3	-6.9	-2.8	12	33	52
USG 75J62R	-9.4	-7.6	-11.7	46	51	53
USG 75J90R	4.2	2.3	7	9	9	23
USG 75Z38	4.7	3.1	7.2	17	11	19
USG 75Z98	-1.2	-0.4	-2.3	11	18	47

**Maturity Group VI**

36RY68	3.5	3.8	3	16	11	4
6202-4	0.2	-2.1	3.6	3	6	14
96M60	-6.7	-4.5	-9.9	15	17	20
AG6534	-3.6	-2.7	-4.5			
AG6732	0.1	-2.4	3.6	1	2	13
AG6834	0.6	4.2	-4.2	18	16	9
AG6931	-6.3	-5.9	-7.1	17	18	17
Armor 61-R14	-0.9	-6.7	7.8			
Armor 67-R90	4.6	3.7	6			
DB6012RR	-4.6	-3.6	-5.8	2	5	18
Dillon #	0.7	0.7				
NC-Roy #	4.9	4.7	5.3	5	4	7
P 6710 RY	4.7	4.2	5.5	13	7	3
S61-Q2	1.3	0.6	2.3	11	13	10
S61RY93	-0.7	0	-1.8	19	19	12
S65RY73	-6.5	-2.1	-12	20	20	15
S67-R6	6.4	7.1	5.5	7	3	2
S69RY34	-6.1	-6.3	-5.9	6	15	19
SS 6713N R2	3.3	2.4	4.5	14	9	6
SS 6810N R2	2.1	3.5	0.2	12	12	8
USG 76G10L #	-2.2	-4	3.6	8	14	16
USG 76S22R	3.8	2.3	6.1	10	8	5

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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			
USG 76S73R	9.2	7.8	11.1	4	1	1
USG 76S90R	1.6	1.3	2	9	10	11
<b>Maturity Groups VII &amp; VIII</b>						
34RY75	4	-0.1	12	2	1	6
AG7231	3.8	3.7	4.1	15	10	5
AG7535	16.4	14.6				
AG7733	1.3	5.1	-3.6			
AG7934	7.3	5.8	9.7			
AGS 70R26	-1.6	-11	4.5			
AGS 75R27	8.9	15.7	4.4			
AGS 767 RR	-2.9	-2.1	-3.5			
AGS 787 RR	-4.7	-0.2	-10.5			
AGS Woodruff #	5.6	2.4	12.1	4	5	7
DB7213RR	-5.1	-3.2	-8.1			
HBK RY7523	-6.7	-6	-7.7			
N7002 #	-3.1	-3.3	-2.8	8	11	14
N7003CN #	8.8	8.2	10	5	3	3
N8001 #	-2.9	-1.3	-6.2	12	12	11
NC-Raleigh #	2.7	3.3	1	3	8	12
P 7310 RY	7.1	8.6	4.4	11	7	2
REV 73A74	-7.2	-6	-10.7			
S74-M3	8	8.8	6.2	6	2	1
S74RY15	-0.3	-1	1.9			
S77RY85	4.6	6.5	-1			
S77-T7	0.7	0.8	0.6	14	15	9
S78-G6	-6.1	-6.1	-6	10	13	15
S79-B9	-1.1	-2.3	1	7	9	10
S79RY05	-9.8	-7.6	-16.1			
SS 7511N R2	1.5	3.1	-1.6	1	4	8
USG 7732nRR	-4	-6.6	0	13	14	13
USG 77S13R	-5.6	-5.6	-5.7			
USG 77S40R	6.3	7.1	4.8	9	6	4
USG 77S63R	-1.1	-0.8	-1.5			
USG 78S40R	-11.4	-8.2	-20.9			

# 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 2010 through 2014.

\*\* 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 2010 through 2014.