

**1999 INDIANA SOYBEAN PERFORMANCE TRIAL RESULTS
TABLES 1 THROUGH 33**

Table 1. Location 1, Porter Co., Soybean Trials, Three-year Average (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Groups I and II (1997-1998-1999)				
b Callahan 8275	54.0 *	9-18	125	1.2 31
v Rupp RS 2499	53.5 *	9-17	125	1.3 31
v DSR-246/STS	52.9 *	9-18	125	1.3 31
v DSR-300	52.3 *	9-23	130	1.8 37
v Jack Public	50.4 *	9-21	129	2.1 40
v DSR-277	50.0 *	9-21	128	1.0 34
v Sandusky Public	49.0 *	9-17	124	1.3 36
v Kenwood 94 Public	48.9 *	9-12	119	1.8 35
v Flint Public	48.5 *	9-15	122	1.8 32
v Chapman Public	46.9 *	9-16	123	1.3 33
Grand mean	50.6	9-18	125	1.5 34
B LSD (k=100)	7.9	3	3	0.5 2
C.V. (%)	8.2	4	1	27.7 5
Maturity Group III (1997-1998-1999)				
b Callahan 6330	52.6 *	9-26	133	1.3 36
b Callahan 7317	51.9 *	9-21	128	1.1 34
b Beck 351	50.2 *	9-24	131	1.0 37
v DSR-314/STS	49.7 *	9-22	130	1.4 37
b Beck 386	48.4	9-26	134	1.0 35
v DSR-325	47.6	9-26	133	1.5 37
v Athow Public	47.4	9-21	128	1.0 33
v Thorne Public	46.4	9-23	131	1.1 36
v Yale Public	45.6	9-28	135	1.1 37
v Defiance Public	45.4	9-22	129	1.0 35
v Probst Public	45.4	9-23	131	1.4 36
v Edison Public	45.0	9-23	130	1.3 35
v Resnik Public	42.2	9-21	128	1.2 35
v Williams 82 Public	34.6	9-26	133	1.8 41
Grand mean	46.6	9-24	131	1.2 36
B LSD (k=100)	3.9	2	2	0.5 2
C.V. (%)	10.2	3	1	23.5 6

(1) Lower case letters indicate entry type as follows:
v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Table 1, continued. Location 1, Porter Co., Soybean Trials, Three-year Average (1997-1998-1999).

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
(3) 1 (erect) to 5 (flat).
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Table 2. Location 1, Porter Co., Soybean Trials, Two-year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Groups I and II (1998-1999)				
b D265 Garst	50.4 *	9-15	121	1.3 32
b Callahan 8275	47.3 *	9-15	121	1.3 32
v Rupp RS 2345	47.1 *	9-13	119	1.0 31
v Rupp RS 2499	47.1 *	9-15	121	1.5 33
v DSR-246/STS	45.8 *	9-16	122	1.4 32
v CX 295	45.2 *	9-19	125	1.0 33
v CX 277	44.5 *	9-15	121	1.0 33
v Savoy Public	44.3 *	9-11	117	1.0 32
v Jack Public	43.2 *	9-19	125	2.1 41
v Kenwood 94 Public	42.7 *	9-10	116	1.8 37
v Sandusky Public	42.6 *	9-12	118	1.4 38
v DSR-300	42.6 *	9-20	126	2.0 38
v DSR-280/STS	42.2 *	9-19	125	1.5 35
v Tiffin Public	41.8 *	9-11	117	2.5 36
b Beck 289	41.6 *	9-16	122	1.3 33
v Chapman Public	40.3 *	9-13	119	1.3 34
v Flint Public	40.2 *	9-11	117	1.9 34
v DSR-277	39.5 *	9-18	124	1.0 35
Grand mean	43.8	9-15	121	1.5 34
B LSD (k=100)	ns	4	4	0.7 3
C.V. (%)	10.9	4	2	28.1 5
Maturity Group III (1998-1999)				
b D308 Garst	45.5 *	9-18	124	1.0 34
v Rupp RS 3119	44.7 *	9-19	125	1.3 35
b Callahan 7317	42.8 *	9-18	124	1.1 35
v DSR-314/STS	41.7 *	9-20	126	1.6 38

Table 2, continued. Location 1, Porter Co., Soybean Trials, Two-year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1998-1999), continued				
b Callahan 6330	41.1 *	9-22	128	1.4 38
b Beck 351	40.8 *	9-21	127	1.0 38
v Athow Public	39.5	9-18	124	1.0 34
v DSR-325	38.9	9-23	129	1.8 37
b Beck 386	38.3	9-23	129	1.0 35
v DSR-338/STS	38.2	9-22	128	1.6 38
v Yale Public	37.8	9-25	131	1.1 37
v HF93-035 Public	37.4	9-17	123	1.1 37
v Defiance Public	37.0	9-20	126	1.0 37
v Edison Public	36.9	9-20	126	1.4 37
v Thorne Public	36.8	9-20	126	1.1 37
v Probst Public	35.9	9-21	127	1.5 37
v Resnik Public	33.7	9-18	124	1.3 35
v Williams 82 Public	26.0	9-22	128	1.6 42
Grand mean	38.5	9-20	126	1.3 37
BLSD (k=100)	5.6	2	2	0.7 3
C.V. (%)	12.1	3	1	26.9 6

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

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Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 3. Location 1, Porter Co., Soybean Trials, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Groups I and II (1999)				
b D265 Garst	46.3 *	9-16	120	1.0 34
v LG 6276	40.0	9-12	116	1.5 36
v Rupp RS 2345	39.9	9-12	116	1.0 32
v Tiffin Public	38.2	9-11	115	2.8 36
v Savoy Public	37.8	9-09	113	1.0 33
v Rupp RS 2499	37.8	9-15	119	1.3 34
b Callahan 8275	37.7	9-15	119	1.0 32
v Rupp RS 4289RR	35.9	9-23	127	1.0 38
b US S289 U.S. Seeds	35.6	9-16	120	1.0 33
v Chapman Public	34.9	9-13	117	1.0 36
v CX 294STS	34.5	9-19	123	1.5 34
v Sandusky Public	34.3	9-10	114	1.8 39
v Dwight Public	34.2	9-19	123	1.0 34
v Kenwood 94 Public	33.7	9-08	112	1.5 36
v CX 277	33.7	9-15	119	1.0 33
b Beck 289	33.7	9-17	121	1.0 34
v DSR-246/STS	33.6	9-17	121	1.5 33
v CX 295	33.3	9-19	123	1.0 33
v Flint Public	32.9	9-09	113	1.8 33
v Jack Public	32.5	9-20	124	2.5 40
v Archer Public	31.8	9-06	110	1.5 34
v DSR-300	30.8	9-21	125	2.3 38
v DSR-280/STS	30.3	9-20	124	1.8 33
v DSR-277	28.6	9-19	123	1.0 35
b Beck 288N	26.6	9-17	121	1.0 38
Grand mean	34.7	9-15	119	1.4 35
BLSD (k=100)	5.5	2	2	0.6 2
C.V. (%)	11.1	3	1	30.7 4

Maturity Group III (1999)

v Rupp RS 3119	45.8 *	9-20	124	1.5 38
v CX 300	45.6 *	9-21	125	1.0 40
b D308 Garst	45.0 *	9-19	123	1.0 36
b Callahan 7317	42.3 *	9-19	123	1.0 37
b Beck 351	41.2 *	9-23	127	1.0 40
v DSR-314/STS	41.1 *	9-22	126	1.5 39
b US S339 U.S. Seeds	40.2 *	9-23	127	1.3 34
v Edison Public	37.4 *	9-20	124	1.5 40
b Callahan 6330	37.4 *	9-23	127	1.3 40
v DSR-325	36.4	9-24	128	2.0 39
v DSR-309/STS	35.7	9-18	122	1.0 34
b Beck 386	35.6	9-24	128	1.0 36
v Athow Public	35.5	9-19	123	1.0 35

Table 3, continued. Location 1, Porter Co., Soybean Trials, 1999 Results.

Entry Type and Name	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999), continued				
v Yale Public	35.3	9-27	131 1.3	39
v DSR-338/STS	34.9	9-24	128 1.8	40
v Thorne Public	34.3	9-21	125 1.3	40
v Probst Public	34.0	9-23	127 1.3	41
v Charleston Public	33.8	9-20	124 1.0	25
v Maverick Public	33.0	9-24	128 2.5	46
v HF93-035 Public	32.5	9-18	122 1.3	36
v Defiance Public	31.7	9-22	126 1.0	38
v Resnik Public	31.0	9-19	123 1.0	36
v Pella 86 Public	28.9	9-15	119 1.0	35
v Saline Public	28.0	9-27	131 1.8	42
v Williams 82 Public	23.0	9-25	129 1.3	43
Grand mean	36.0	9-22	126 1.3	38
BLSD (k=100)	8.9	2	2 0.6	3
C.V. (%)	16.6	3	1 30.7	7

Conducted on the Pinney-Purdue Agricultural Center, Wanatah. Jon D. Leuck, superintendent.

Soil type: Runnymede loam.

Soil test for Maturity Groups I and II: pH 6.6, P 15 ppm (low), K 108 ppm (medium).

Soil test for Maturity Group III: pH 6.5, P 13 ppm (low), K 91 ppm (medium).

Date of planting: May 19, 1999.

Date of harvest for Maturity Groups I and II: September 24, 1999.

Date of harvest for Maturity Group III: October 11, 1999.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 4. Location 2, Tippecanoe Co., Soybean Trials, Three-year Average (Group II 1997-1998-1999, Group III 1996-1997-1998).

Entry Type and Name	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1997-1998-1999)				
b Callahan 8275	58.2 *	9-15	118 1.0	30
v Trisoy 2770	56.3 *	9-15	118 1.0	30
b Beck 281	55.8 *	9-16	119 1.1	34
v DSR-300	55.5 *	9-18	121 1.1	34
v DSR-277	54.9 *	9-16	119 1.0	32
v Sandusky Public	54.1 *	9-13	116 1.0	33
v Jack Public	53.1 *	9-17	120 1.8	40
v Flint Public	49.6	9-12	115 1.3	30
v Chapman Public	49.2	9-14	117 1.0	32
v Kenwood 94 Public	48.5	9-10	113 1.2	31
v Archer Public	42.9	9-04	107 1.0	30
Grand mean	52.6	9-14	117 1.1	32
BLSD (k=100)	5.3	2	2 0.5	3
C.V. (%)	9.4	2	1 16.1	7

Maturity Group III (1996-1997-1998)

b Callahan 7317	56.9 *	9-21	113 1.1	29
b Beck 395	56.3 *	9-29	121 1.0	32
b Callahan 6330	56.1 *	9-25	117 1.3	32
b Beck 419	55.4 *	9-29	121 1.5	39
v Trisoy 3252	55.3 *	9-24	116 1.0	33
v Pioneer var. 9306	55.2 *	9-20	112 1.3	28
b Beck 342	55.0 *	9-26	118 1.0	31
v DSR-325	53.5 *	9-25	117 1.3	34
v Thorne Public	52.9 *	9-25	117 1.0	33
v Gold. Harv. H-1322	50.9	9-23	115 1.0	33
v Yale Public	50.9	9-26	118 1.2	34
v Athow Public	50.8	9-22	114 1.0	30
v CX377 DeKalb	50.1	9-28	120 1.0	38
v Probst Public	49.8	9-24	116 1.1	31
v Resnik Public	47.8	9-23	115 1.0	32
v Edison Public	47.2	9-25	117 1.0	31
v Williams 82 Public	45.0	9-28	120 1.6	38
v Pella 86 Public	42.5	9-19	111 1.1	31
Grand mean	51.8	9-25	117 1.1	33
BLSD (k=100)	5.1	2	2 0.4	3
C.V. (%)	7.7	2	1 24.6	7

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural

Table 4, continued. Location 2, Tippecanoe Co., Soybean Trials, Three-year Average (Group II 1997-1998-1999, Group III 1996-1997-1998).

Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 5. Location 2, Tippecanoe Co., Soybean Trials, Two-year Average, (Group II 1998-1999, Group III 1997-1998).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1998-1999)				
v DSR-275	59.6 *	9-15	119	1.0 36
b M-9929	57.2 *	9-14	118	1.0 32
b Beck 289	56.5 *	9-14	118	1.0 33
v Trisoy 2770	56.0 *	9-14	118	1.0 33
v DSR-280/STS	55.8 *	9-17	121	1.0 35
b Beck 281	55.5 *	9-15	119	1.1 36
b Callahan 8275	55.0 *	9-14	118	1.0 33
v DSR-300	54.3 *	9-17	121	1.1 36
b D265 Garst	54.0 *	9-13	117	1.0 29
v CX 277	53.9 *	9-13	117	1.0 31
v DSR-277	53.6 *	9-16	120	1.0 34
v Jack Public	52.5 *	9-17	121	2.1 41
v Savoy Public	52.4 *	9-11	115	1.0 28
v Sandusky Public	51.3 *	9-11	115	1.0 34
v CX 295	49.3	9-15	119	1.0 31
v Kenwood 94 Public	47.7	9-09	113	1.3 33
v Chapman Public	47.7	9-13	117	1.0 33
v Flint Public	47.6	9-11	115	1.5 31
v Tiffin Public	46.4	9-12	116	1.5 34
v Archer Public	41.5	9-03	107	1.0 31
Grand mean	52.4	9-13	117	1.1 33
BLSD (k=100)	9.2	4	4	0.4 3
C.V. (%)	10.3	2	1	20.8 8

Table 5, continued. Location 2, Tippecanoe Co., Soybean Trials, Two-year Average, (Group II 1998-1999, Group III 1997-1998).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1997-1998)				
v Gold. Harv. H-1383	60.2 *	9-25	128	1.3 34
v Gold. Harv. H-1316	59.2 *	9-18	120	1.0 30
v Pioneer var. 93B82	58.7 *	9-22	125	1.3 34
b D308 Garst	58.6 *	9-14	116	1.0 30
b Callahan 6330	57.2 *	9-20	123	1.1 33
b Callahan 7317	57.0 *	9-16	119	1.1 30
b Diener DB 336	57.0 *	9-20	123	1.1 35
b TS 317 Terra	56.5 *	9-16	119	1.0 31
v Trisoy 3252	56.2 *	9-18	121	1.0 34
v CX 348	56.1 *	9-20	123	1.0 32
b Beck 342	55.9 *	9-20	123	1.0 32
v Gold. Harv. H-1365	55.9 *	9-23	126	1.0 35
b Beck 395	55.5 *	9-23	126	1.0 33
b Beck 351	55.4 *	9-20	122	1.3 33
v CX399 DeKalb	55.3 *	9-22	125	1.3 38
v Gold. Harv. H-1322	54.9 *	9-18	121	1.0 35
v LG 6395TR	54.9 *	9-24	126	1.0 32
v Pioneer var. 9306	54.8 *	9-14	117	1.3 28
b Diener DB 352	54.8 *	9-22	124	1.1 34
b Diener DB 304	54.7 *	9-17	120	1.0 35
v DSR-325	54.5 *	9-19	121	1.1 35
b Beck 386	54.5 *	9-24	126	1.0 34
v Thorne Public	54.4 *	9-19	121	1.0 35
b Beck 419	54.2 *	9-23	126	1.5 38
v Yale Public	52.5	9-21	124	1.3 36
b M-9439	52.3	9-21	123	1.3 38
v CX377 DeKalb	52.1	9-22	125	1.0 38
v Athow Public	51.1	9-16	118	1.0 31
v Countrymark HT322	51.1	9-19	122	1.0 33
v IA 3005 Public	50.6	9-19	121	1.4 32
v Probst Public	50.5	9-18	121	1.1 32
v Defiance Public	48.5	9-16	119	1.1 32
v Resnik Public	48.5	9-18	120	1.0 33
v Edison Public	47.2	9-19	121	1.0 32
v Williams 82 Public	46.8	9-23	126	1.6 39
v Harper 87 Public	46.1	9-18	120	1.1 33
v Pella 86 Public	42.4	9-12	115	1.1 31
Grand mean	53.7	9-19	122	1.1 34
BLSD (k=100)	6.2	2	2	ns 3
C.V. (%)	6.7	2	1	24.1 6

Table 5, continued. Location 2, Tippecanoe Co., Soybean Trials, Two-year Average, (Group II 1998-1999, Group III 1997-1998).

- (1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
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Table 6. Location 2, Tippecanoe Co., Soybean Trials, (Group II 1999, Group III 1998 and 1999). The 1999 Group III trial was lost to hail damage.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1999)				
v DSR-275	64.7 *	9-18	121	1.0 35
b US S289 U.S. Seeds	64.0 *	9-18	121	1.0 32
b Beck 289	62.0 *	9-18	121	1.0 32
v Rupp RS 2499	61.2 *	9-17	120	1.0 32
b M-9929	61.2 *	9-17	120	1.0 32
b Callahan 8275	58.8 *	9-18	121	1.0 31
v Trisoy 2770	58.0 *	9-19	122	1.0 30
v DSR-300	57.8 *	9-20	123	1.0 34
v CX 294STS	57.2	9-19	122	1.0 29
b Beck 281	57.1	9-19	122	1.0 37
v Dwight Public	56.9	9-18	121	1.0 29
v CX 277	56.8	9-16	119	1.0 32
v Rupp RS 2345	56.0	9-13	116	1.0 30
v DSR-280/STS	55.9	9-21	124	1.0 34
v DSR-277	55.5	9-19	122	1.0 32
b D265 Garst	54.7	9-17	120	1.0 28
v Jack Public	54.1	9-21	124	2.0 42
v Sandusky Public	52.3	9-12	115	1.0 34
v Savoy Public	51.9	9-12	115	1.0 25
v Tiffin Public	51.3	9-16	119	1.3 33
v CX 295	50.3	9-18	121	1.0 30
v Flint Public	48.4	9-13	116	1.0 28
b Beck 288N	47.8	9-17	120	1.0 33

Table 6, continued. Location 2, Tippecanoe Co., Soybean Trials, (Group II 1999, Group III 1998 and 1999). The 1999 Group III trial was lost to hail damage.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1999), continued				
v Kenwood 94 Public	47.3	9-11	114	1.0 31
v Chapman Public	43.9	9-15	118	1.0 31
v Archer Public	37.0	9-03	106	1.0 30
Grand mean	54.7	9-16	119	1.0 32
BLSD (k=100)	7.1	1	1	0.1 4
C.V. (%)	9.5	2	1	9.3 9

Maturity Group III (1998)

b M-9932	59.6 *	9-17	122	1.5 39
b Callahan 6330	58.7 *	9-17	122	1.3 39
v Gold. Harv. H-1383	58.0 *	9-21	126	1.5 38
b D308 Garst	55.9 *	9-11	116	1.0 34
b D398 Garst	55.3 *	9-21	126	1.3 38
v Gold. Harv. H-1316	55.2 *	9-14	119	1.0 35
v Trisoy 3381	55.0 *	9-17	122	1.0 36
v Trisoy 3252	54.2 *	9-15	120	1.0 39
v Pioneer var. 93B82	54.2 *	9-20	125	1.5 37
b Diener DB 304	53.8	9-14	119	1.0 41
b Beck 342	53.7	9-17	122	1.0 35
b 3304 Dyna-Gro	53.6	9-13	118	1.0 33
v Thorne Public	53.6	9-16	121	1.0 40
v Pioneer var. 93B45	53.4	9-16	121	1.3 37
b Callahan 7317	53.3	9-13	118	1.3 34
v DSR-338/STS	53.3	9-17	122	1.3 39
b Diener DB 336	53.3	9-17	122	1.3 39
b AgraTech AT 333	53.3	9-17	122	2.3 40
b Diener DB 352	53.0	9-15	120	1.3 36
v Gold. Harv. H-1365	52.9	9-21	126	1.0 38
v Gold. Harv. H-1322	52.3	9-14	119	1.0 38
v CX399 DeKalb	51.8	9-19	124	1.5 42
b Beck 386	51.8	9-21	126	1.0 37
b Diener DB 377	51.6	9-21	126	1.0 39
b 3282 Dyna-Gro	51.1	9-12	117	1.0 31
b TS 317 Terra	50.7	9-13	118	1.0 34
b Beck 395	50.7	9-19	124	1.0 37
v DSR-325	50.6	9-16	121	1.3 37
v Athow Public	50.5	9-12	117	1.0 35
b Beck 351	50.5	9-16	121	1.5 36
v CX 348	50.3	9-17	122	1.0 34
v Yale Public	50.0	9-18	123	1.5 39
b Callahan 7383	49.3	9-18	123	2.0 39
b TS 348 Terra	48.6	9-14	119	2.3 40
b Beck 419	48.6	9-19	124	2.0 41

Table 6, continued. Location 2, Tippecanoe Co., Soybean Trials, (Group II 1999, Group III 1998 and 1999). The 1999 Group III trial was lost to hail damage.

Entry Type and Name	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1998), continued				
v Defiance Public	48.3	9-15	120	1.3 35
v General Public	48.1	9-17	122	1.5 36
v LG 6395TR	47.6	9-20	125	1.0 37
v Pioneer var. 9306	47.4	9-13	118	1.5 29
v LG 6376	47.2	9-19	124	1.5 37
v CX377 DeKalb	47.1	9-19	124	1.0 44
v CX 351	46.8	9-17	122	1.5 36
b M-9439	46.4	9-18	123	1.5 40
v Probst Public	45.8	9-16	121	1.3 35
v IA 3005 Public	45.7	9-15	120	1.8 35
v Countrymark HT322	45.0	9-16	121	1.0 35
v Williams 82 Public	43.2	9-19	124	2.3 43
v Resnik Public	42.5	9-15	120	1.0 36
v Harper 87 Public	41.9	9-14	119	1.3 37
v HF93-035 Public	41.2	9-11	116	1.8 36
v Edison Public	40.7	9-15	120	1.0 34
v Pella 86 Public	38.7	9-08	113	1.3 34
Grand mean	50.3	9-16	121	1.3 37
B LSD (k=100)	5.5	1	1	0.7 3
C.V. (%)	7.9	2	1	31.8 6
Maturity Group III (1999)				
v Pella 86 Public		9-15	* 118	
v CX 300		9-18	121	
v HF93-035 Public		9-19	122	
b D308 Garst		9-20	123	
v Rupp RS 3119		9-20	123	
b Callahan 7317		9-21	124	
v Athow Public		9-21	124	
v Defiance Public		9-21	124	
v Charleston Public		9-22	125	
v DSR-309/STS		9-22	125	
v Edison Public		9-22	125	
v Thorne Public		9-22	125	
v Resnik Public		9-22	125	
b M-9932		9-22	125	

Table 6, continued. Location 2, Tippecanoe Co., Soybean Trials, (Group II 1999, Group III 1998 and 1999). The 1999 Group III trial was lost to hail damage.

Entry Type and Name	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999), continued				
b Callahan 6330		9-23	126	
b NG 3109		9-23	126	
v Trisoy 3252		9-23	126	
v Trisoy 3381		9-23	126	
b US S339 U.S. Seeds		9-23	126	
v Probst Public		9-23	126	
b Beck Ex7842		9-23	126	
b Callahan 8363		9-23	126	
b Beck 351		9-23	126	
b M-0035		9-24	127	
v DSR-325		9-24	127	
b NG 3509		9-24	127	
v Maverick Public		9-25	128	
v DSR-338/STS		9-25	128	
v LG 6373STS		9-26	129	
b NG 1037 X		9-26	129	
v Yale Public		9-26	129	
b Beck Ex7848		9-26	129	
b US S380 U.S. Seeds		9-26	129	
v DSR-377		9-27	130	
v Saline Public		9-27	130	
v Williams 82 Public		9-27	130	
Grand mean		9-23	126	
B LSD (k=100)		1	1	
C.V. (%)		2	1	

Conducted on the Purdue University Agronomy

Research Center, Lafayette.

James J. Beaty III, superintendent.

Soil type: Drummer clay loam.

Soil test for the 1999 Maturity Group II: pH 6.5, P 13 ppm (low), K 122 ppm (medium).

Soil test for the 1999 Maturity Group III: pH 6.3, P 17 ppm (low), K 119 ppm (medium).

Date of planting: May 20, 1999.

Date of harvest for Maturity Group II:

September 23, 1999.

Date of harvest for Maturity Group III: Lost to hail, September 28, 1999.

Table 6, continued. Location 2, Tippecanoe Co., Soybean Trials, (Group II 1999, Group III 1998 and 1999). The 1999 Group III trial was lost to hail damage.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 7. Location 2, Tippecanoe Co., Roundup Ready® Soybean Trials, Two-year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1998-1999)				
b Diener DB 2900CR	61.5 *	9-14	118	1.4 37
v Trisoy 2887RR	56.5 *	9-15	119	1.6 37
v DSR-293/RR	54.0 *	9-13	117	1.5 35
b Beck 290RR	53.1 *	9-14	118	1.6 38
Grand mean	56.3	9-14	118	1.5 37
BLSD (k=100)	ns	ns	ns	ns ns
C.V. (%)	5.3	2	1	23.5 5

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(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 8. Location 2, Tippecanoe Co., Roundup Ready® Soybean Trials, Group II (1999), and Group III (1998 and 1999). (1999 Group III Trial, Lost To Hail).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1999)				
b Beck 295NRR	65.3 *	9-19	122	1.0 39
b Diener DB 2900CR	62.2 *	9-17	120	1.3 38
b US S2709RR	62.1 *	9-17	120	1.3 38
b Diener DB 2983RR	62.1 *	9-19	122	1.3 36
v LG 6284RR	61.6 *	9-16	119	1.0 39
v Trisoy 2997RR	61.1 *	9-17	120	1.0 38
v Rupp RS 4289RR	60.4 *	9-20	123	1.0 35
v Rupp RS 4265RR	59.2	9-16	119	1.0 33
v CX262RR	58.1	9-15	118	1.0 35
v Trisoy 2887RR	57.9	9-19	122	1.0 36
b US S2409RR	54.8	9-15	118	1.0 31
v CX285RR	54.7	9-16	119	1.0 37
b Callahan 9282RR	54.2	9-16	119	1.0 35
v Rupp RS 4236RR	53.5	9-15	118	1.0 34
b Beck 290RR	52.6	9-16	119	1.3 37
v Rupp RS 4242RR	52.4	9-11	114	1.0 29
v WF 290RR	51.8	9-15	118	1.0 39
v DSR-293/RR	51.5	9-16	119	1.0 34
v WF 230RR	51.4	9-14	117	1.0 30
v Rupp RS 4274RR	50.6	9-15	118	1.0 35
Grand mean	56.9	9-16	119	1.1 35
BLSD (k=100)	5.3	1	1	ns 2
C.V. (%)	6.7	2	1	20.5 5
Maturity Group III (1998)				
v Pioneer var. 92B71	63.5 *	9-08	113	1.5 33
v Countrymark RT3585	62.1 *	9-17	122	1.5 41
v DSR-321/RR	61.5 *	9-15	120	2.8 37
v Pioneer var. 93B53	60.9 *	9-16	121	3.0 36
b Diener DB 2900CR	60.8 *	9-11	116	1.5 36
v Pioneer var. 93B51	60.3 *	9-16	121	2.8 40
b Diener DB 3900CR	58.3 *	9-11	116	1.8 35
b Diener DB 2761R	58.0 *	9-10	115	2.5 36
b Beck 302RR	57.7 *	9-15	120	2.3 40
v Pioneer var. 93B34	57.3 *	9-12	117	2.3 37
v Trisoy 3777RR	56.8 *	9-16	121	1.8 45
v DSR-293/RR	56.5 *	9-10	115	2.0 36
b Diener DB 3400	56.2 *	9-17	122	1.5 38
v DSR-372/RR	56.2 *	9-19	124	3.0 42
v Countrymark RT306	55.8 *	9-12	117	3.0 40
b Diener DB 3850CR	55.6 *	9-18	123	2.3 40
v LG 6345RR	55.4	9-14	119	2.0 41
v Rupp RS 4343RR	55.4	9-15	120	2.0 38

Table 8, continued. Location 2, Tippecanoe Co., Roundup Ready® Soybean Trials, Group II (1999), and Group III (1998 and 1999). (1999 Group III Trial Lost To Hail).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1998), continued					
b SunStar 3850	55.3	9-17	122	1.8	40
v Trisoy 2887RR	55.2	9-11	116	2.3	37
v DSR-351/RR	54.8	9-16	121	2.0	40
v Trisoy 3277RR	54.7	9-13	118	2.5	40
b Callahan 8268RR	54.3	9-09	114	3.0	33
b Strike 3080RR	53.7	9-12	117	1.3	36
v CountrymarkRT2875	53.6	9-08	113	2.8	37
b Beck 290RR	53.6	9-12	117	2.0	38
v DSR-381/RR	53.6	9-18	123	2.5	40
b Callahan 8367RR	53.6	9-18	123	2.5	40
b Callahan 8297RR	53.5	9-10	115	2.3	38
b Diener DB 3120R	53.3	9-10	115	2.0	41
v Rupp RS 2454RR	53.2	9-09	114	2.0	36
b Strike 3670RR	52.9	9-16	121	2.3	42
v LG 6293RR	52.8	9-11	116	2.0	39
b Beck 360RR	51.8	9-16	121	2.8	43
b Strike 3580RR	51.8	9-16	121	1.8	43
b 3303RRDyna-Gro	51.7	9-11	116	2.3	40
v LG 6285RR	50.5	9-10	115	2.0	36
b SC9388RRSeedCnslt	50.2	9-17	122	2.3	39
b Beck 370RR	49.7	9-16	121	3.0	42
b Strike 2880RR	49.3	9-12	117	2.0	38
b Strike 3980RR	48.1	9-19	124	2.3	44
b 3368RRDyna-Gro	47.7	9-16	121	2.3	42
b Diener DB 3920R	47.7	9-19	124	2.0	41
b TS 356RR Terra	46.8	9-16	121	2.8	39
b SunStar 3890	44.4	9-18	123	3.0	43
b SC9398RRSeedCnslt	44.3	9-19	124	2.8	42
b Beck 390RR	43.4	9-20	125	3.0	41
b SunStar 3891	42.7	9-19	124	2.3	44
v Gold.Harv.H1357RR	42.4	9-15	120	2.8	39
Grand mean	53.4	9-14	119	2.3	39
BLSD (k=100)	8.1	2	2	0.6	3
C.V. (%)	10.1	3	1	19.6	6

Table 8, continued. Location 2, Tippecanoe Co., Roundup Ready® Soybean Trials, Group II (1999), and Group III (1998 and 1999). (1999 Group III Trial Lost To Hail).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999)				
b Callahan 9303RR		9-16	* 119	
v DSR-321/RR		9-21	124	
v Rupp RS 4328RR		9-21	124	
b US S3009RR		9-21	124	
v LG 6336RR		9-21	124	
v AG3003 Asgrow		9-21	124	
b Strike 3080RR		9-21	124	
b Strike 3490RR		9-22	125	
b NG 362R		9-22	125	
v AG3302 Asgrow		9-22	125	
b Beck 302RR		9-22	125	
v CX303RR		9-22	125	
v DSR-351/RR		9-22	125	
b Beck 352RR		9-22	125	
b Diener DB 3300CR		9-22	125	
b Callahan 9323RR		9-22	125	
v Trisoy 3777RR		9-22	125	
v DSR-327/RR		9-22	125	
v CX343cRR		9-22	125	
b Callahan 9327RR		9-22	125	
b NG 1036Rx		9-23	126	
b Diener DB 3770CR		9-23	126	
b US S3609RR		9-23	126	
b Beck 385NRR		9-23	126	
b Strike 3890RR		9-23	126	
b NG 370R		9-24	127	
v LG 6393RR		9-24	127	
v DSR-372/RR		9-24	127	
v AG3701 Asgrow		9-24	127	
b SC9388RR SeedCnslt		9-24	127	
v CX367cRR		9-24	127	
b Diener DB 3900CR		9-24	127	
v DSR-363/RR		9-24	127	
v Trisoy 3997RR		9-24	127	
v AG3702 Asgrow		9-24	127	

Table 8, continued. Location 2, Tippecanoe Co., Roundup Ready® Soybean Trials, Group II (1999), and Group III (1998 and 1999). (1999 Group III Trial Lost To Hail).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999), continued				
v WF 370RR		9-25	128	
b Beck 372RR		9-25	128	
v CX383RR		9-25	128	
b Diener DB 3921RR		9-25	128	
b Diener DB 3500CR		9-25	128	
v LG 6375RR		9-25	128	
b Beck 402RR		9-26	129	
b Strike 3790RR		9-26	129	
v DSR-381/RR		9-26	129	
v Trisoy 3497RR		9-26	129	
Grand mean		9-23	126	
BLSD (k=100)		1	1	
C.V. (%)		2	1	

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Conducted on the Purdue University Agronomy Research Center, Lafayette.

James J. Beaty III, superintendent.

Soil type: Drummer clay loam.

Soil test for the 1999 Maturity Group II Roundup Ready®: pH 6.4, P 12 ppm (low), K 139 ppm (medium).

Soil test for the 1999 Maturity Group III Roundup Ready®: pH 6.1, P 11 ppm (low), K 105 ppm (medium).

Date of planting: May 20 1999.

Date of harvest for Maturity Group II: September 23, 1999.

Date of harvest for Maturity Group III: Lost to hail, September 28, 1999.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

Table 8, continued. Location 2, Tippecanoe Co., Roundup Ready® Soybean Trials, Group II (1999), and Group III (1998 and 1999). (1999 Group III Trial Lost To Hail).

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 9. Location 2, Tippecanoe Co., Soybean Trials in Cyst Nematode Infested Soil, Two-year Average, (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1998-1999)				
v Jack Public	41.6 *	9-26	100	1.3
v CX284c	41.0 *	9-26	101	1.0
b M-9928	40.5 *	9-28	103	1.0
v Savoy Public	36.7 *	9-23	98	1.0
b Callahan 9282RR	35.5 *	9-26	101	1.0
v Sandusky Public	33.2 *	9-23	98	1.0
v Chapman Public	31.5 *	9-24	98	1.0
v Kenwood 94 Public	31.2 *	9-19	93	1.0
v Archer Public	30.4 *	9-19	94	1.0
Grand mean	35.7	9-24	98	1.0
BLSD (k=100)	14.7	5	5	ns
C.V. (%)	14.8	3	1	13.2
Maturity Group III (1998-1999)				
b M-Resister	41.9 *	9-30	104	1.0
v DSR-372/RR	41.3 *	10-02	107	1.3
v DSR-325	39.8 *	9-28	102	1.0
b M-9733	39.5 *	9-28	103	1.0
v Thorne Public	37.8 *	9-26	100	1.0
v Yale Public	37.7 *	9-30	104	1.0
v DSR-338/STS	37.1 *	9-30	104	1.0
v CX302C	35.7 *	9-29	103	1.0
v Athow Public	35.6 *	9-24	99	1.0
v Resnik Public	35.3	9-28	102	1.0
v Probst Public	34.8	9-26	100	1.0
v Edison Public	34.2	9-27	102	1.0
v Williams 82 Public	33.4	9-30	104	1.5
v Pella 86 Public	33.3	9-24	98	1.0
Grand mean	37.0	9-28	102	1.1
BLSD (k=100)	6.5	3	3	ns
C.V. (%)	12.4	3	2	10.3

Table 9, continued. Location 2, Tippecanoe Co., Soybean Trials in Cyst Nematode Infested Soil, Two-year Average, (1998-1999).

Note: The 1999 Maturity Groups II and III received slight hail damage on September 28, 1999.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 10. Location 2, Tippecanoe Co., Soybean Trials in Cyst Nematode Infested Soils, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1999)				
v DSR-275	43.5 *	9-25	108	1.0 31
v Dwight Public	43.2 *	9-23	106	1.0 28
b US S299	42.3 *	9-25	108	1.0 33
v Jack Public	40.8 *	9-25	108	1.5 38
b M-9928	40.7 *	9-25	108	1.0 28
v CX299c	40.5 *	9-25	108	1.0 28
v CX284c	40.0 *	9-24	107	1.0 34
b NG 9029 RX	37.1	9-23	106	1.0 33
v Flint Public	32.7	9-21	104	1.0 26
b NG 2909	32.4	9-25	108	1.0 31
b Callahan 9282RR	31.0	9-24	107	1.0 32
b US S259	30.4	9-19	102	1.3 30
v Sandusky Public	27.8	9-22	105	1.0 29
v Kenwood 94 Public	27.4	9-14	97	1.0 29
v Tiffin Public	26.5	9-20	103	1.0 33
v Chapman Public	26.1	9-22	105	1.0 27
v Savoy Public	24.8	9-21	104	1.0 26
v Archer Public	24.7	9-14	97	1.0 27
Grand mean	34.0	9-22	105	1.0 30
B LSD (k=100)	4.9	1	1	0.3 5
C.V. (%)	11.0	2	1	16.9 11

Table 10, continued. Location 2, Tippecanoe Co., Soybean Trials in Cyst Nematode Infested Soils, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999)				
b NG 3809	46.8 *	9-28	111	1.0 33
v Charleston Public	45.7 *	9-26	109	1.0 29
b M-Resister	44.3 *	9-27	110	1.0 31
v DSR-372/RR	44.1 *	9-28	111	1.5 35
v DSR-363/RR	43.9 *	9-28	111	1.0 34
v Maverick Public	43.3 *	9-26	109	1.8 42
v Saline Public	42.5 *	9-28	111	1.5 39
b US S3609RR	42.4 *	9-28	111	1.0 33
b M-9733	41.8 *	9-25	108	1.0 32
v Yale Public	41.8 *	9-27	110	1.0 32
b NG 9032 STSX	41.2 *	9-27	110	1.0 33
b Beck 385NRR	41.1 *	9-28	111	1.0 38
v DSR-327/RR	40.7	9-26	109	1.0 34
b US S3209RR	40.3	9-27	110	1.0 34
b D358 Garst	40.2	9-26	109	1.0 35
v Thorne Public	39.8	9-23	106	1.0 29
b Beck 354NSTS	39.5	9-26	109	1.3 31
b NG 9034 RX	39.2	9-27	110	1.0 35
v DSR-325	39.0	9-26	109	1.0 32
v LG 6366CSTS	38.7	9-26	109	1.0 31
v DSR-338/STS	38.7	9-26	109	1.0 33
b Callahan 9327RR	38.0	9-23	106	1.0 29
b Callahan 9303RR	37.8	9-21	104	1.0 29
v Resnik Public	37.4	9-23	106	1.0 32
v CX302C	36.5	9-25	108	1.0 31
b D354RR/N Garst	36.0	9-25	108	1.0 36
v Athow Public	35.8	9-22	105	1.0 27
v Williams 82 Public	35.0	9-27	110	2.0 37
v Edison Public	34.6	9-22	105	1.0 32
v Probst Public	34.5	9-22	105	1.0 29
v Defiance Public	34.3	9-23	106	1.0 31
v HF93-035 Public	31.9	9-21	104	1.0 31
v Pella 86 Public	30.4	9-21	104	1.0 28
Grand mean	39.3	9-25	108	1.1 33
B LSD (k=100)	5.8	1	1	0.2 4
C.V. (%)	10.2	2	1	16.7 8

Conducted on the Purdue University Agronomy Research Center, Lafayette.
James J. Beaty III, superintendent.

Table 10, continued. Location 2, Tippecanoe Co., Soybean Trials in Cyst Nematode Infested Soils, 1999 Results.

Soil type: Drummer clay loam.
 Soil test for the Maturity Group II Cyst Nematode test: pH 6.8, P 29 ppm (medium), K 103 ppm (medium).
 Soil test for the Maturity Group III Cyst Nematode test: pH 6.1, P 44 ppm (high), K 103 ppm (medium).
 Date of planting: June 9, 1999.
 Date of harvest for the Maturity Group II Cyst Nematode test: October 7, 1999.
 Date of harvest for the Maturity Group III Cyst Nematode test: October 7, 1999.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).
 Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
 Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).
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Table 11. Location 3, Randolph Co., Soybean Trials, Three-year Average, (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group II (1997-1998-1999)					
v DSR-300	48.7 *	9-19	126	1.3	31
v Rupp RS 2499	48.0 *	9-16	123	1.3	26
v Jack Public	47.3 *	9-19	125	1.5	34
b D265 Garst	45.4 *	9-15	122	1.3	25
v Chapman Public	45.1 *	9-15	121	1.2	26
v Flint Public	43.9 *	9-15	122	1.3	27
v Sandusky Public	43.2 *	9-14	121	1.0	27
v Kenwood 94 Public	42.8 *	9-12	119	1.4	26
Grand mean	45.5	9-16	122	1.3	28
B LSD (k=100)	ns	3	3	ns	2
C.V. (%)	13.0	3	1	23.2	8

Table 11, continued. Location 3, Randolph Co., Soybean Trials, Three-year Average, (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1997-1998-1999)					
b Beck 386	50.0 *	9-26	133	1.0	33
b Beck 419	49.7 *	9-28	134	1.3	36
v DSR-370/STS	48.2 *	9-26	132	1.8	38
v Defiance Public	48.1 *	9-22	128	1.2	31
b D308 Garst	46.3 *	9-18	124	1.0	26
b Callahan 7317	46.2 *	9-20	127	1.1	29
b Beck 351	46.2 *	9-22	129	1.3	30
b Davis D327	46.2 *	9-27	134	1.3	36
v Probst Public	44.8 *	9-23	129	1.1	31
b D398 Garst	44.2 *	9-28	134	1.3	29
v CX 375	44.0 *	9-26	132	1.1	32
v LG 6395TR	43.6 *	9-26	133	1.2	29
v Williams 82 Public	43.4 *	9-29	136	1.4	38
v Thorne Public	42.9 *	9-22	128	1.1	31
v Resnik Public	42.1 *	9-22	129	1.1	30
v Yale Public	39.9 *	9-26	132	1.1	32
v Athow Public	39.0 *	9-18	124	1.1	28
v Pella 86 Public	38.9 *	9-18	124	1.1	28
v Edison Public	38.8 *	9-23	130	1.1	31
Grand mean	44.3	9-24	130	1.2	31
B LSD (k=100)	14.1	2	2	0.4	3
C.V. (%)	17.5	3	1	30.0	9

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).
 Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
 Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).
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Table 12. Location 3, Randolph Co., Soybean Trials, Two-year Average, (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1998-1999)				
v Rupp RS 2499	48.6 *	9-13	117	1.4 29
b D265 Garst	48.4 *	9-14	118	1.4 29
b Callahan 8275	47.6 *	9-14	118	1.5 29
v DSR-280/STS	46.8 *	9-16	121	1.5 34
v DSR-300	46.5 *	9-17	122	1.5 35
v CX 295	46.0 *	9-16	121	1.1 30
v Rupp RS 2345	45.9 *	9-12	117	1.3 29
v Tiffin Public	45.7 *	9-11	115	1.8 31
b Beck 289	45.7 *	9-15	119	1.4 29
v Flint Public	45.5 *	9-12	117	1.4 30
v Chapman Public	44.6 *	9-12	117	1.3 29
v Savoy Public	44.1 *	9-13	118	1.0 26
v Kenwood 94 Public	43.8 *	9-10	114	1.6 30
v Sandusky Public	43.5 *	9-10	115	1.0 30
v Jack Public	42.6 *	9-17	122	1.8 38
Grand mean	45.7	9-13	118	1.4 31
BLSD (k=100)	ns	4	4	ns 2
C.V. (%)	12.6	4	1	23.0 8

Maturity Group III (1998-1999)				
v Rupp RS 3119	52.8 *	9-17	121	1.1 32
v DSR-314/STS	51.0 *	9-21	125	1.9 36
b Beck 351	51.0 *	9-22	126	1.4 36
v LG 6395TR	50.2 *	9-24	128	1.3 34
b D308 Garst	49.8 *	9-15	120	1.0 29
v Defiance Public	49.8 *	9-19	124	1.3 35
b Beck 386	49.8 *	9-24	129	1.0 37
v DSR-338/STS	48.3 *	9-22	127	1.3 36
b Callahan 7317	48.2 *	9-18	122	1.1 33
v HF93-035 Public	47.8 *	9-16	121	1.8 35
b SC 406 SeedCnslt	47.7 *	9-27	131	1.8 40
b Beck 419	46.9 *	9-26	130	1.5 41
v DSR-370/STS	46.8 *	9-23	128	2.1 42
v CX 375	46.8 *	9-24	129	1.1 37
v Williams 82 Public	46.2 *	9-28	132	1.6 43
b D398 Garst	46.1 *	9-26	130	1.5 32
v Thorne Public	44.8 *	9-19	124	1.1 35
v Probst Public	44.6 *	9-21	125	1.1 35
v Pella 86 Public	44.5 *	9-15	120	1.1 33
b Davis D327	44.2 *	9-25	129	1.4 41
v Resnik Public	43.7 *	9-20	125	1.1 34
v Edison Public	43.6 *	9-21	126	1.1 35
v Athow Public	43.4 *	9-15	120	1.1 31
v Yale Public	43.3 *	9-24	128	1.1 36

Table 12, continued. Location 3, Randolph Co., Soybean Trials, Two-year Average, (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1998-1999), continued				
Grand mean	47.1	9-21	126	1.3 36
BLSD (k=100)	ns	3	3	0.8 3
C.V. (%)	14.6	3	1	38.8 9

- (1) Lower case letters indicate entry type as follows:
v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
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Table 13. Location 3, Randolph Co., Soybean Trials, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group II (1999)				
v Sandusky Public	53.4 *	9-08	114	1.0 34
v CX 295	51.2 *	9-16	122	1.3 33
b Callahan 8275	51.1 *	9-13	119	2.0 33
v Savoy Public	50.9 *	9-09	115	1.0 30
v Rupp RS 2345	50.9 *	9-10	116	1.5 33
v Rupp RS 2499	50.9 *	9-12	118	1.8 32
b D265 Garst	50.8 *	9-13	119	1.8 33
v DSR-280/STS	48.9 *	9-16	122	2.0 38
v Kenwood 94 Public	48.4 *	9-08	114	2.3 34
b Beck 289	48.3 *	9-13	119	1.8 32
v Tiffin Public	46.7 *	9-10	116	2.5 35
v Chapman Public	45.4 *	9-11	117	1.5 33
v Dwight Public	45.3 *	9-14	120	1.5 33
v Flint Public	45.1	9-12	118	1.8 33
v DSR-300	44.2	9-19	125	2.0 39

Table 13, continued. Location 3, Randolph Co., Soybean Trials, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group II (1999), continued					
v Rupp RS 4289RR	43.9	9-19	125	1.3	37
v Archer Public	42.2	9-03	109	1.8	35
v Jack Public	42.1	9-16	122	2.5	41
b Beck 288N	40.2	9-13	119	1.5	36
Grand mean	47.4	9-12	118	1.7	34
BLSD (k=100)	8.2	3	3	0.7	3
C.V. (%)	10.3	4	2	25.8	6

Maturity Group III (1999)					
v Rupp RS 3119	57.4 *	9-16	122	1.3	37
v CX 300	54.4 *	9-14	120	1.0	36
b SC 388 SeedCnslt	54.0 *	9-26	132	2.3	44
b D308 Garst	52.9 *	9-13	119	1.0	32
b Callahan 7317	51.9 *	9-19	125	1.3	37
v DSR-309/STS	51.1 *	9-18	124	2.0	37
v DSR-314/STS	50.7 *	9-19	125	2.5	41
b Beck 351	50.7 *	9-21	127	1.5	41
v HF93-035 Public	50.5 *	9-16	122	2.5	39
v Defiance Public	50.5 *	9-21	127	1.5	38
b Beck 386	49.6	9-23	129	1.0	41
v CX 375	48.2	9-24	130	1.3	41
v Athow Public	48.1	9-15	121	1.3	34
b Callahan 8363	47.4	9-21	127	1.3	37
b Beck Ex7842	47.0	9-23	129	1.5	42
b D398 Garst	47.0	9-26	132	1.8	39
b Davis D360	47.0	9-27	133	2.5	44
b SC 406 SeedCnslt	46.1	9-26	132	2.0	45
v DSR-370/STS	45.9	9-23	129	2.5	47
v LG 6395TR	45.8	9-24	130	1.5	38
v Resnik Public	45.7	9-19	125	1.3	39
b Davis D350N	44.8	9-25	131	1.3	36
b Beck Ex7848	44.7	9-24	130	1.0	43
v Maverick Public	44.7	9-25	131	3.3	45
b Beck 419	44.5	9-25	131	1.5	44
v Thorne Public	43.6	9-17	123	1.0	38
v Edison Public	43.6	9-19	125	1.3	38
v Charleston Public	43.2	9-18	124	1.0	23
v Pella 86 Public	42.8	9-15	121	1.3	37
v DSR-377	42.8	9-25	131	1.3	41
b Davis D327	42.3	9-24	130	1.5	43
v Probst Public	42.0	9-21	127	1.0	38
b SC 350NSeedCnslts	41.2	9-25	131	1.0	36
v DSR-338/STS	41.1	9-22	128	1.5	40
b Davis D340STS	41.0	9-21	127	1.3	37

Table 13, continued. Location 3, Randolph Co., Soybean Trials, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1999), continued					
v Yale Public	40.5	9-25	131	1.0	39
v Williams 82 Public	38.7	9-27	133	1.5	44
v Saline Public	38.2	9-25	131	1.8	44
Grand mean	46.4	9-22	128	1.5	39
BLSD (k=100)	7.0	2	2	0.9	3
C.V. (%)	10.3	4	1	40.5	6

Conducted on the Davis-Purdue Agricultural Center, Farmland.

Jeffrey L. Boyer, superintendent.

Soil type: Blount silty clay loam.

Soil test for Maturity Group II: pH 5.4 P 48 ppm (high), K 111 ppm (medium).

Soil test for Maturity Group III: pH 5.4, P 50 ppm (very high), K 87 ppm (medium).

Date of planting for Maturity Groups II and III: May 17, 1999.

Date of harvest for Maturity Group II: September 21, 1999.

Date of harvest for Maturity Group III: October 14, 1999.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 14. Location 4, Daviess Co., Soybean Trials, Three-year Average (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1997-1998-1999)					
b D398 Garst	52.2 *	9-26	112	1.4	30
b Beck 419	51.9 *	9-26	113	1.3	33
v LG 6395TR	50.7 *	9-25	111	1.3	28
v Edison Public	47.1 *	9-22	109	1.3	27
v Athow Public	46.8 *	9-21	108	1.2	28
v Probst Public	45.2 *	9-21	108	1.6	27
v Resnik Public	45.0 *	9-21	108	1.1	27
v Defiance Public	43.8	9-20	107	1.2	27
v Pella 86 Public	41.6	9-21	108	1.3	29
v Thorne Public	41.4	9-20	107	1.0	26
v Williams 82 Public	41.3	9-25	111	1.6	32
v Yale Public	39.7	9-23	110	1.3	28
Grand mean	45.6	9-23	109	1.3	29
BLSD (k=100)	7.4	3	3	ns	4
C.V. (%)	9.7	2	1	36.6	8
Maturity Group IV (1997-1998-1999)					
v Exodus SouthCross	52.0 *	9-30	117	2.2	32
v CX 450C	50.7 *	9-29	115	1.6	34
v CX 470C	49.4 *	9-29	116	1.6	37
v David SouthCross	46.9 *	9-30	117	1.2	35
v Omaha Public	46.8 *	9-24	111	1.5	28
v Flyer Public	44.9 *	9-24	111	1.3	28
Grand mean	48.5	9-28	115	1.6	32
BLSD (k=100)	ns	4	4	ns	5
C.V. (%)	10.9	2	1	31.0	7

- (1) Lower case letters indicate entry type as follows:
v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
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Table 15. Location 4, Daviess Co., Soybean Trials, Two-year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1998-1999)					
b Beck 419	65.7 *	9-30	109	1.5	40
v LG 6395TR	65.6 *	9-28	107	1.4	34
b D398 Garst	65.6 *	9-30	109	1.6	36
v Edison Public	59.3 *	9-25	104	1.5	32
v Athow Public	58.8	9-24	103	1.3	33
v Probst Public	57.2	9-24	103	1.9	32
v Resnik Public	56.3	9-24	103	1.1	33
v Defiance Public	53.0	9-22	101	1.3	32
v Pella 86 Public	52.5	9-23	102	1.4	36
v Thorne Public	52.1	9-23	102	1.0	32
v HF93-035 Public	50.4	9-22	101	1.5	33
v Williams 82 Public	50.2	9-28	107	1.9	39
v Yale Public	48.5	9-27	106	1.4	33
Grand mean	56.6	9-25	104	1.4	34
BLSD (k=100)	6.9	4	4	ns	6
C.V. (%)	8.3	2	1	41.0	7
Maturity Group IV (1998-1999)					
v Exodus SouthCross	66.3 *	10-06	115	2.8	37
v CX 450C	63.0 *	10-04	113	1.9	41
v CX 470C	60.9 *	10-06	115	1.9	45
v David SouthCross	57.7 *	10-06	115	1.3	42
v Omaha Public	56.8 *	9-28	107	1.8	33
v Ina Public	54.0 *	10-05	114	2.5	40
v Flyer Public	53.2	9-28	107	1.4	33
Grand mean	58.8	10-03	112	1.9	39
BLSD (k=100)	12.8	3	3	1.4	3
C.V. (%)	9.1	2	1	30.8	6

- (1) Lower case letters indicate entry type as follows:
v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
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Table 16. Location 4, Daviess Co., Soybean Trials, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999)				
v LG 6395TR	66.0 *	9-22	120	37
b D398	Garst 65.6 *	9-23	121	41
v Maverick	Public 64.3 *	9-18	116	48
b Beck 419	63.4 *	9-22	120	42
v CX 339c	60.6 *	9-18	116	42
v Edison	Public 58.9 *	9-15	113	37
v Saline	Public 57.1	9-22	120	47
v Probst	Public 56.9	9-15	113	38
v Resnik	Public 56.2	9-15	113	37
v Athow	Public 56.1	9-15	113	40
v Thorne	Public 55.7	9-15	113	38
v CX 393c	55.3	9-21	119	41
v Defiance	Public 51.3	9-15	113	36
v Charleston	Public 50.1	9-15	113	23
v Pella 86	Public 48.7	9-15	113	37
v Williams 82	Public 47.7	9-23	121	44
v Yale	Public 45.5	9-21	119	39
v HF93-035	Public 45.3	9-15	113	35
Grand mean	55.8	9-18	116	39
B LSD (k=100)	8.0	2	2	4
C.V. (%)	10.2	3	1	40.4

Maturity Group IV (1999)				
v Exodus SouthCross	63.9 *	9-28	126	39
v CX 400	60.1 *	9-24	122	37
v CX 450C	59.2 *	9-26	124	44
v CX 470C	55.3	9-27	125	47
v Omaha	Public 55.2	9-21	119	37
v LG 6457CSTS	50.5	9-28	126	39
v David	SouthCross 49.2	9-26	124	43
v Flyer	Public 47.9	9-21	119	36
v CX 420c	47.8	9-26	124	42
v Ina	Public 43.3	9-28	126	44
v James	SouthCross 42.2	9-24	122	41
v Mustang	Public 39.3	9-27	125	40
Grand mean	51.2	9-26	124	41
B LSD (k=100)	7.4	2	2	3
C.V. (%)	10.5	3	1	34.2

Table 16, continued. Location 4, Daviess Co., Soybean Trials, 1999 Results.

Conducted on the Jerry Barber Farm near Washington.
 Jerry Barber, cooperator.
 Soil type: Iva silt loam.
 Soil test for Maturity Group III: pH 5.4, P 50 ppm (very high), K 113 ppm (medium).
 Soil test for Maturity Group IV: pH 5.5, P 40 ppm (high), K 121 ppm (medium).
 Date of planting: May 25, 1999.
 Date of harvest for Maturity Groups III and IV: October 6, 1999.

(1) Lower case letters indicate entry type as follows:
 v-variety, b-brand, or m-mixture (blend).
 Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
 Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).
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Table 17. Location 4, Knox Co., Soybean Trials, in Cyst Nematode Infested Soil, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999)				
v Probst	Public 16.0 *	9-19	118	27
b D354RR/N	Garst 15.4 *	9-16	115	28
b Beck 385NRR	15.2 *	9-20	119	27
v CX 393c	14.7 *	9-21	120	25
v CX339c	14.1 *	9-18	117	27
b D399RR/N	Garst 13.5 *	9-18	117	28
v Thorne	Public 13.2 *	9-18	117	25
v Yale	Public 13.1 *	9-20	119	26
v Edison	Public 13.0	9-17	116	25
v Williams 82	Public 12.8	9-24	123	28
v Athow	Public 12.6	9-15	114	24
v Defiance	Public 12.0	9-16	115	26

Table 17, continued. Location 4, Knox Co., Soybean Trials, in Cyst Nematode Infested Soil, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days	score(3)	Plant height
	bu./A.				in.
Maturity Group III (1999), continued					
v Resnik	Public 11.8	9-18	117	1.0	24
b D358	Garst 11.3	9-17	116	1.0	26
v Saline	Public 11.3	9-19	118	1.0	28
v Maverick	Public 10.6	9-15	114	1.0	33
v HF93-035	Public 9.3	9-15	114	1.0	26
v Charleston	Public 7.8	9-15	114	1.0	18
v Pella 86	Public 7.3	9-15	114	1.0	26
Grand mean	12.4	9-18	117	1.0	26
B LSD (k=100)	3.0	3	3	ns	3
C.V. (%)	17.4	4	2		9
Maturity Group IV (1999)					
v CX450c	21.0 *	9-24	123	1.0	32
b Beck 435NRR	16.3 *	9-23	122	1.0	26
v Flyer	Public 15.0 *	9-21	120	1.0	29
v LG 6457CSTS	14.7	9-27	126	1.0	26
v James	SouthCross 14.1	9-25	124	1.0	31
v Omaha	Public 13.5	9-21	120	1.0	27
v CX420c	13.4	9-26	125	1.0	32
v Ina	Public 11.6	9-21	120	1.0	30
v Mustang	Public 8.0	9-25	124	1.0	24
Grand mean	14.2	9-24	123	1.0	29
B LSD (k=100)	6.3	5	5	ns	8
C.V. (%)	27.4	5	2		15

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Note: This trial was diagnosed by Dr. Charles Mansfield, of Vincennes University, as having Charcoal Rot in addition to Cyst Nematodes. See Tables A and B for Charcoal Rot observations.

Cyst Nematode counts between 10 and 20 Cyst Nematodes per 250 cc of soil are high, and counts above 20 Cyst Nematodes per 250 cc of soil are very high.

In the Maturity Group III trial, Blocks 1 and 2 had 12.5 (high) Cyst Nematodes per 250 cc of soil, and Blocks 3 and 4 had 40 (very high) per 250 cc of soil.

The Maturity Group IV trial, in Blocks 1 and 2, had 50 (very high) Cyst Nematodes, and Blocks 3 and 4 had 30 (very high) per 250 cc of soil.

Table 17, continued. Location 4, Knox Co., Soybean Trials, in Cyst Nematode Infested Soil, 1999 Results.

Conducted on the Terry Vieck Farm near Vincennes. Terry Vieck, cooperator.

Soil type: Conotton sandy loam.

Soil test for Cyst Nematode Maturity Group III: pH 6.3, P 108 ppm (very high), K 130 ppm (medium).

Soil test for Cyst Nematode Maturity Group IV: pH 6.6, P 122 ppm (very high), K 131 ppm (medium).

Date of planting: May 24, 1999

Date of harvest for Maturity Groups III and IV: October 5, 1999.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 18. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in Conventional Tillage, Three-year Average (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days	score(3)	Plant height
	bu./A.				in.
Maturity Group III (1997-1998-1999)					
b Beck 351	60.3 *	9-17	122	1.0	28
b Beck 419	58.9 *	9-22	127	1.1	31
b Beck 386	58.5 *	9-22	127	1.0	27
v LG 6395TR	55.9 *	9-22	127	1.0	25
v Probst	Public 54.9 *	9-18	123	1.0	27
b SC 406 SeedCnslt	54.5 *	9-23	127	1.1	29
v Defiance	Public 54.3 *	9-15	119	1.0	28
v CX 375	52.5 *	9-21	126	1.0	28
v Resnik	Public 51.4 *	9-17	121	1.0	27
v Williams 82	Public 50.7 *	9-22	127	1.1	31
v Athow	Public 49.6	9-15	120	1.0	24

Table 18, continued. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in Conventional Tillage, Three-year Average (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1997-1998-1999), continued				
v Edison Public	49.4	9-18	122	1.0 27
v Yale Public	48.7	9-22	126	1.0 27
v Thorne Public	48.2	9-17	122	1.0 25
v Pella 86 Public	39.7	9-15	120	1.0 24
Grand mean	52.5	9-19	124	1.0 27
B LSD (k=100)	9.7	2	2	ns 2
C.V. (%)	12.0	3	1	12.6 8
Maturity Group IV (1997-1998-1999)				
v Omaha Public	60.0 *	9-25	130	1.0 28
v Flyer Public	52.6 *	9-23	128	1.0 29
Grand mean	56.3	9-24	129	1.0 29
B LSD (k=100)	ns	2	2	ns ns
C.V. (%)	6.7	1	1	7

- (1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
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Table 19. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in Conventional Tillage, Two-year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1998-1999)				
b Beck 386	62.6 *	9-20	123	1.0 30
b Beck 419	62.0 *	9-20	123	1.1 32
b Beck 351	60.8 *	9-16	119	1.0 30
v LG 6395TR	59.3 *	9-20	123	1.0 27
v Defiance Public	58.0 *	9-13	116	1.0 30
v HF93-035 Public	57.6 *	9-12	115	1.3 29
v CX 375	55.3 *	9-19	122	1.0 29
v Probst Public	55.2 *	9-17	120	1.0 29
v Athow Public	54.5 *	9-13	116	1.0 25
v Williams 82 Public	53.9 *	9-20	123	1.1 33
v CX 393c	53.8 *	9-19	122	1.0 27
b SC 406 SeedCnslt	53.1 *	9-21	124	1.1 31
v Resnik Public	52.7 *	9-16	119	1.0 28
b D398 Garst	52.4 *	9-20	123	1.0 25
v Yale Public	50.9 *	9-20	123	1.0 28
v Edison Public	50.2 *	9-15	118	1.0 29
v Thorne Public	49.8 *	9-16	119	1.0 25
v Pella 86 Public	40.1 *	9-13	116	1.0 25
Grand mean	54.6	9-17	120	1.0 28
B LSD (k=100)	ns	2	2	ns 3
C.V. (%)	12.3	3	1	16.6 8
Maturity Group IV (1998-1999)				
b Beck 437STS	65.1 *	9-22	125	1.1 37
v Omaha Public	62.0 *	9-23	126	1.0 29
v CX 400	59.8 *	9-24	127	1.0 28
v Exodus SouthCross	59.6 *	9-27	130	1.6 32
v Ina Public	56.4 *	9-26	129	1.5 37
v Flyer Public	53.6 *	9-22	125	1.0 31
v David SouthCross	52.4 *	9-26	129	1.0 32
Grand mean	58.4	9-24	127	1.2 32
B LSD (k=100)	ns	3	3	0.7 7
C.V. (%)	10.3	2	1	27.7 7

Table 19, continued. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in Conventional Tillage, Two-year Average (1998-1999).

- (1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
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Table 20. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in Conventional Tillage, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date (3)	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999)				
b D398	Garst 59.7 *	9-19	121	1.0 29
v LG 6395TR	56.9 *	9-20	122	1.0 28
b Beck 419	52.9	9-21	123	1.0 33
b SC 388 SeedCnslt	52.3	9-22	124	1.0 34
v CX 375	52.1	9-21	123	1.0 31
v CX 393c	51.0	9-17	119	1.0 27
v Resnik	Public 50.2	9-16	118	1.0 30
b SC 406 SeedCnslt	49.9	9-22	124	1.0 35
b Beck 386	49.3	9-21	123	1.0 31
v Athow	Public 49.1	9-14	116	1.0 27
v Saline	Public 48.8	9-21	123	1.0 36
v Williams 82	Public 48.4	9-20	122	1.0 35
v Edison	Public 48.1	9-15	117	1.0 31
b Beck 351	47.9	9-17	119	1.0 31
v Probst	Public 47.7	9-17	119	1.0 31
v Yale	Public 47.1	9-21	123	1.0 30
v Thorne	Public 46.8	9-16	118	1.0 28
v Maverick	Public 46.7	9-17	119	1.0 39
v Defiance	Public 45.4	9-13	115	1.0 32
v HF93-035	Public 45.0	9-13	115	1.0 31
v Charleston	Public 39.7	9-15	117	1.0 18
v Pella 86	Public 37.9	9-14	116	1.0 29

Table 20, continued. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in Conventional Tillage, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date (3)	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999), continued				
Grand mean	48.8	9-18	120	1.0 31
BLSD (k=100)	6.6	2	2	ns 3
C.V. (%)	9.4	3	1	7

Maturity Group IV (1999)				
v CX 400	62.1 *	9-24	126	1.0 32
v LG 6457CSTS	58.7 *	9-26	128	1.3 41
v Exodus SouthCross	58.1 *	9-27	129	1.5 36
v Omaha	Public 55.6	9-22	124	1.0 31
b Beck 437STS	55.2	9-22	124	1.0 37
v Flyer	Public 53.5	9-20	122	1.0 34
v James	SouthCross 50.2	9-24	126	1.0 38
v Mustang	Public 49.5	9-25	127	1.0 36
v Ina	Public 47.4	9-25	127	1.0 41
v David	SouthCross 46.0	9-25	127	1.0 37
Grand mean	53.6	9-24	126	1.1 36
BLSD (k=100)	6.5	2	2	0.5 4
C.V. (%)	8.3	2	1	23.1 7

Conducted on the Southeast-Purdue Agricultural Center, Butlerville.

Donald J. Biehle, superintendent.

Soil type: Avonburg.

Soil test for Maturity Group III: pH 5.7, P 19 ppm (low), K 83 ppm (medium).

Soil test for Maturity Group IV: pH 5.7, P 15 ppm (low), K 79 ppm (medium).

Date of planting: May 21, 1999.

Date of harvest for Maturity Groups III and IV: September 30, 1999.

- (1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat). (Copyright 1999 PRF)

Table 21. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in No-Tillage, Three-year Average (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1997-1998-1999)					
b SC 406 SeedCnslt	51.8 *	10-07	114	1.1	31
b Beck 419	50.9 *	10-06	113	1.0	31
b Beck 388A	47.4 *	10-03	110	1.1	30
b Beck 386	47.4 *	10-04	111	1.1	26
v Resnik Public	44.5 *	9-30	107	1.0	26
v Edison Public	44.0 *	10-03	110	1.0	26
v Williams 82 Public	43.9 *	10-04	111	1.3	31
v Probst Public	43.8 *	9-30	107	1.0	24
v Thorne Public	43.4 *	9-29	106	1.0	25
v Athow Public	41.1	9-30	107	1.0	25
v Yale Public	40.0	10-03	110	1.0	26
v Pella 86 Public	38.3	9-29	106	1.1	25
Grand mean	44.7	10-02	109	1.1	27
BLSD (k=100)	9.7	4	4	ns	3
C.V. (%)	13.2	3	2	17.8	8
Maturity Group IV (1997-1998-1999)					
v Omaha Public	46.5 *	10-06	113	1.0	27
v Flyer Public	41.5	10-04	111	1.0	28
Grand mean	44.0	10-05	112	1.0	28
BLSD (k=100)	4.9	1	1	ns	ns
C.V. (%)	6.2	1	1		6

- (1) Lower case letters indicate entry type as follows:
v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
- (Copyright 1999 Purdue Research Foundation)

Table 22. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in No-Tillage, Two-year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1998-1999)					
b SC 406 SeedCnslt	53.6 *	10-02	118	1.1	34
b Beck 419	51.3 *	10-02	118	1.0	33
b Beck 386	50.5 *	9-30	115	1.1	28
b Beck 388A	49.3 *	9-28	113	1.1	31
v Resnik Public	46.7 *	9-25	111	1.0	28
v Edison Public	45.6 *	9-28	113	1.0	28
v Thorne Public	45.1 *	9-23	109	1.0	27
v Probst Public	44.6 *	9-25	111	1.0	26
v Williams 82 Public	43.8 *	9-30	115	1.4	32
v Athow Public	42.6 *	9-24	109	1.0	26
v Yale Public	38.2 *	9-28	114	1.0	27
v Pella 86 Public	36.8	9-23	109	1.1	25
Grand mean	45.7	9-27	113	1.1	29
BLSD (k=100)	15.8	6	6	ns	4
C.V. (%)	14.4	3	1	21.7	8
Maturity Group IV (1998-1999)					
v Omaha Public	47.6 *	10-01	117	1.0	28
v Flyer Public	42.6 *	9-30	115	1.0	30
Grand mean	45.1	10-01	116	1.0	29
BLSD (k=100)	ns	2	2	ns	ns
C.V. (%)	6.7	1	1		5

- (1) Lower case letters indicate entry type as follows:
v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
- (Copyright 1999 Purdue Research Foundation)

Table 23. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in No-Tillage, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1999)					
b SC 388 SeedCnslt	69.0 *	9-22	131	1.8	39
v Edison Public	63.9 *	9-16	125	1.0	33
v Maverick Public	63.8 *	9-18	127	1.8	42
b SC 406 SeedCnslt	63.8 *	9-22	131	1.3	39
v Resnik Public	63.0 *	9-15	124	1.0	33
b Beck 388A	62.1 *	9-19	128	1.3	34
v Thorne Public	62.0 *	9-16	125	1.0	34
b Beck 386	61.0 *	9-23	132	1.3	35
v Athow Public	59.8 *	9-15	124	1.0	31
b Beck 419	59.6 *	9-22	131	1.0	37
v Probst Public	58.0	9-17	126	1.0	31
v Defiance Public	55.0	9-16	125	1.0	34
v Saline Public	54.0	9-20	129	1.8	38
v Charleston Public	52.8	9-15	124	1.0	19
v Yale Public	51.9	9-22	131	1.0	32
v Williams 82 Public	51.0	9-21	130	1.8	39
v Pella 86 Public	44.7	9-15	124	1.3	27
Grand mean	58.6	9-18	127	1.3	34
B LSD (k=100)	10.8	2	2	0.5	3
C.V. (%)	11.8	3	1	27.2	7
Maturity Group IV (1999)					
v Omaha Public	60.8 *	9-23	132	1.0	33
v Flyer Public	58.7 *	9-21	130	1.0	34
v Ina Public	54.4	9-25	134	2.0	41
v Mustang Public	51.2	9-25	134	1.0	36
Grand mean	56.3	9-24	133	1.3	36
B LSD (k=100)	4.1	ns	ns	ns	3
C.V. (%)	4.6				5

Conducted on the Southeast-Purdue Agricultural Center, Butlerville.
 Donald J. Biehle, superintendent.
 Soil type: Avonburg.
 Soil test for conventional soybeans in no-tillage, Maturity Groups III and IV: pH 6.6, P 17 ppm (low), K 58 ppm (low).
 Date of planting: May 14, 1999.
 Date of harvest for conventional soybeans in no-tillage, Maturity Groups III and IV: September 30, 1999.

Table 23, continued. Location 5, Jennings Co., Soybean Trials, Conventional Soybeans in No-Tillage, 1999 Results.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).
 Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
 Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
 (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
 (3) 1 (erect) to 5 (flat).
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Table 24. Location 5, Jennings Co., Soybean Trials, Roundup Ready® Soybeans in Conventional Tillage, Two year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Maturity Group III (1998-1999)					
v DSR-381/RR	60.0 *	9-24	125	1.1	34
v DSR-372/RR	59.8 *	9-24	125	1.6	36
b SC9388RRSeedCnslt	59.7 *	9-24	125	1.4	35
v DSR-351/RR	58.0 *	9-20	121	1.3	34
b Beck 370RR	56.9 *	9-24	125	1.4	37
b L&M Glick 9381RR	55.9 *	9-20	121	1.1	35
Grand mean	58.4	9-23	124	1.3	35
B LSD (k=100)	ns	2	2	0.5	2
C.V. (%)	9.2	4	2	27.0	7
Maturity Group IV (1998-1999)					
v DSR-421/RR	61.4 *	9-27	130	1.3	38
v Jude SouthCross	55.5	9-27	130	1.4	35
v Paul SouthCross	55.1	9-28	131	1.3	38
v Micah SouthCross	50.9	9-29	132	1.3	39
Grand mean	55.7	9-28	131	1.3	38
B LSD (k=100)	5.4	ns	ns	ns	3
C.V. (%)	9.2	3	1	22.2	8

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Table 24, continued. Location 5, Jennings Co., Soybean Trials, Roundup Ready® Soybeans in Conventional Tillage, Two year Average (1998-1999).

- (1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
- (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
- (3) 1 (erect) to 5 (flat).
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Table 25. Location 5, Jennings Co., Soybean Trials, Roundup Ready® in Conventional Tillage, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999)				
v AG3901 Asgrow	67.7 *	9-25	123	1.0 38
b Diener DB 3921RR	65.8 *	9-25	123	1.0 38
b L&M Glick 37RR	64.7 *	9-23	121	1.0 36
b Strike 3790RR	64.6 *	9-23	121	1.0 34
b Beck 372RR	63.8 *	9-23	121	1.0 34
v DSR-381/RR	62.4 *	9-22	120	1.0 36
b Beck 402RR	61.4 *	9-25	123	1.0 37
v WF 370RR	61.0 *	9-23	121	1.0 34
v DSR-363/RR	59.5	9-22	120	1.0 36
v DSR-351/RR	58.4	9-18	116	1.0 36
v AG3702 Asgrow	58.4	9-22	120	1.0 32
b Diener DB 3900CR	57.7	9-23	121	1.0 38
b Beck 385NRR	56.7	9-21	119	1.0 40
v AG3701 Asgrow	56.6	9-23	121	1.0 35
v DSR-321/RR	56.0	9-16	114	1.0 37
b SC9388RRSeedCnslt	55.4	9-24	122	1.0 37
b Beck 370RR	55.3	9-23	121	1.0 41
b Beck 352RR	54.9	9-18	116	1.0 36
v DSR-372/RR	54.5	9-23	121	1.3 39
b Strike 3890RR	54.1	9-22	120	1.0 39
b Diener DB 3770CR	53.0	9-21	119	1.0 33
b L&M Glick 9381RR	52.8	9-19	117	1.0 38
v DSR-327/RR	50.0	9-17	115	1.0 36

Table 25, continued. Location 5, Jennings Co., Soybean Trials, Roundup Ready® in Conventional Tillage, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999), continued				
Grand mean	58.5	9-22	120	1.0 37
B LSD (k=100)	7.0	2	2	ns 4
C.V. (%)	8.2	2	1	10.3 8
Maturity Group IV (1999)				
b L&M Glick 40RR	62.5 *	9-27	129	1.0 42
v AG4301 Asgrow	61.0 *	9-27	129	1.0 41
b Beck 435NRR	59.5 *	9-26	128	1.3 39
v DSR-421/RR	59.5 *	9-28	130	1.0 41
v AG4101 Asgrow	58.9 *	9-26	128	1.8 41
b Diener DB 4303CR	58.7 *	9-26	128	1.3 38
v LG 6430RR	55.5 *	9-27	129	1.0 39
v AG4402 Asgrow	55.0 *	9-25	127	1.3 43
v Paul SouthCross	54.9 *	9-28	130	1.0 42
b SC9438RRSeedCnslt	54.6 *	9-26	128	1.0 39
v Jude SouthCross	54.2 *	9-28	130	1.0 39
v Micah SouthCross	52.1	10-01	133	1.0 43
Grand mean	57.2	9-27	129	1.1 41
B LSD (k=100)	9.4	1	1	0.5 6
C.V. (%)	8.5	2	1	24.5 7

Roundup Ready® is a trademark of Monsanto Company.

Conducted on the Southeast-Purdue Agricultural Center, Butlerville.

Donald J. Biehle, superintendent.

Soil type: Avonburg.

Soil test for Roundup Ready® soybeans in Conventional tillage, Maturity Group III: pH 6.4, P 11 ppm (low), K 82 ppm (medium).

Soil test for Roundup Ready® soybeans in Conventional tillage, Maturity Group IV: pH 6.8, P 9 ppm (very low), K 80 ppm (medium).

Date of planting: May 21, 1999.

Date of harvest for Roundup Ready® soybeans in conventional tillage, Maturity Groups III and IV: October 1, 1999.

Table 25, continued. Location 5, Jennings Co., Soybean Trials, Roundup Ready® in Conventional Tillage, 1999 Results.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 26. Location 5, Jennings Co., Soybean Trials, Roundup Ready® Soybeans in No-Tillage, Two-year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1998-1999)				
b Beck 370RR	52.6 *	10-01	116	1.8 41
b SC9388RRSeedCnslt	50.1 *	10-01	117	1.4 37
v CX367cRR	45.8	9-30	116	1.1 33
Grand mean	49.5	10-01	116	1.4 37
BLSD (k=100)	3.3	ns	ns	ns 3
C.V. (%)	8.0	3	2	31.8 6

Roundup Ready® is a trademark of Monsanto Company.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend). Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA. Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 27. Location 5, Jennings Co., Soybean Trials, Roundup Ready® Soybeans in No-Tillage, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999)				
b Beck 385NRR	58.4 *	9-18	127	1.8 43
v AG3901 Asgrow	57.4 *	9-23	132	1.8 42
b Beck 372RR	55.3 *	9-18	127	1.5 39
b L&M Glick 37RR	55.0 *	9-19	128	1.3 37
v WF 370RR	54.5 *	9-19	128	1.0 38
b Beck 370RR	54.4 *	9-20	129	2.3 44
v LG 6393RR	52.8 *	9-19	128	1.3 39
v AG3702 Asgrow	51.4 *	9-16	125	1.5 36
b SC9388RRSeedCnslt	51.3 *	9-20	129	1.8 41
v CX383RR	49.8	9-19	128	1.8 43
b Beck 352RR	49.3	9-13	122	2.3 37
v CX367cRR	48.6	9-22	131	1.3 37
b Beck 402RR	48.0	9-19	128	1.0 38
v CX343cRR	47.3	9-15	124	1.3 41
v AG3701 Asgrow	45.1	9-18	127	1.0 39
Grand mean	51.9	9-19	128	1.5 40
BLSD (k=100)	7.5	2	2	0.7 3
C.V. (%)	8.9	3	1	28.6 5
Maturity Group IV (1999)				
b L&M Glick 40RR	51.4 *	9-28	137	1.0 40
v LG 6430RR	50.0 *	9-30	139	1.0 39
v LG 6485RR	49.8 *	9-29	138	1.5 42
b SC9438RRSeedCnslt	49.6 *	9-28	137	1.0 38
v AG4301 Asgrow	48.9 *	9-29	138	1.0 37
v CX433RR	48.6 *	9-27	136	2.0 43
v Paul SouthCross	48.1 *	9-29	138	1.0 46
b Beck 435NRR	47.1 *	9-29	138	1.5 39
v CX414cRR	46.9 *	9-27	136	1.3 42
v AG4101 Asgrow	46.5 *	9-29	138	1.3 39
v Micah SouthCross	44.2	9-28	137	1.3 44
v AG4402 Asgrow	41.6	9-27	136	1.3 38
v Jude SouthCross	40.4	9-27	136	1.3 40
Grand mean	47.2	9-28	137	1.3 41
BLSD (k=100)	5.4	3	3	0.6 4
C.V. (%)	7.4	2	1	29.1 7

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Table 27, continued. Location 5, Jennings Co., Soybean Trials, Roundup Ready® Soybeans in No-Tillage, 1999 Results.

Conducted on the Southeast-Purdue Agricultural Center, Butlerville.
 Donald J. Biehle, superintendent.
 Soil type: Avonburg.
 Soil test for Roundup Ready® soybeans in no-tillage, Maturity Groups III and IV: pH 6.0, P 8 ppm (very low), K 57 ppm (low).
 Date of planting: May 14, 1999.
 Date of harvest for Roundup Ready® soybeans in no-tillage, Maturity Group III: October 1, 1999.
 Date of harvest for Roundup Ready® soybeans in no-tillage, Maturity Group IV: October 14, 1999.
 (1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).
 Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
 Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
 (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
 (3) 1 (erect) to 5 (flat).
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Table 28. Location 5, Jennings Co., Double-Crop, Soybean Performance Trials, Three year Average (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date (3)	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1997-1998-1999)				
b Beck 419	39.4 *	10-22	108	1.0 27
b Beck 388A	38.5 *	10-19	105	1.0 28
v Probst	Public 32.6	10-17	103	1.0 22
v Williams 82	Public 32.4	10-20	107	1.0 26
v Edison	Public 32.2	10-18	104	1.0 23
v Resnik	Public 31.2	10-17	103	1.0 23
v Thorne	Public 30.7	10-17	103	1.0 21
v Pella 86	Public 30.1	10-19	106	1.0 24
v Yale	Public 28.1	10-19	105	1.0 22
v Athow	Public 27.0	10-17	104	1.0 21

Table 28, continued. Location 5, Jennings Co., Double-Crop, Soybean Performance Trials, Three year Average (1997-1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date (3)	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1997-1998-1999), continued				
Grand mean	32.2	10-19	105	1.0 24
BLSD (k=100)	5.3	5	5	ns 2
C.V. (%)	9.0	3	2	8
Maturity Group IV (1997-1998-1999)				
v Omaha	Public 37.6 *	10-20	106	1.0 25
v Flyer	Public 34.8	10-19	106	1.0 24
Grand mean	36.2	10-20	106	1.0 25
BLSD (k=100)	2.2	1	1	ns ns
C.V. (%)	7.2	3	2	8

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).
 Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
 Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
 (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
 (3) 1 (erect) to 5 (flat).
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Table 29. Location 5, Jennings Co., Double-Crop, Soybean Performance Trials, Two-Year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date (3)	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1998-1999)				
b Beck 388A	34.2 *	10-17	106	1.0 27
b Beck 419	33.8 *	10-21	110	1.0 25
v Probst	Public 28.2 *	10-15	103	1.0 21
v Edison	Public 27.4 *	10-16	105	1.0 23

Table 29, continued. Location 5, Jennings Co., Double-Crop, Soybean Performance Trials, Two-Year Average (1998-1999).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1998-1999), continued				
v Williams 82 Public	27.3 *	10-20	108	1.0 24
v Thorne Public	27.0 *	10-15	103	1.0 20
v Resnik Public	26.1 *	10-15	104	1.0 23
v Pella 86 Public	25.4 *	10-18	107	1.0 23
v Yale Public	21.3	10-17	106	1.0 21
v Athow Public	21.0	10-16	104	1.0 19
Grand mean	27.2	10-17	106	1.0 23
B LSD (k=100)	9.7	ns	ns	ns 3
C.V. (%)	12.1	3	2	9
Maturity Group IV (1998-1999)				
v Omaha Public	34.0 *	10-20	108	1.0 25
v Flyer Public	31.3 *	10-19	107	1.0 24
Grand mean	32.7	10-20	108	1.0 25
B LSD (k=100)	3.3	2	2	ns ns
C.V. (%)	8.4	3	2	8

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 30. Location 5, Jennings Co., Double-Crop, Soybean Performance Trials, 1999 Results.

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Maturity Group III (1999)				
b Beck 388A	27.4 *	10-19	113	1.0 27
b Beck 419	23.5 *	10-20	114	1.0 25
v Thorne Public	22.8	10-17	111	1.0 21
v Edison Public	22.6	10-14	108	1.0 24
v Maverick Public	21.8	10-17	111	1.0 25
v Resnik Public	20.6	10-16	110	1.0 22
v Defiance Public	19.5	10-19	113	1.0 22
v Probst Public	18.5	10-17	111	1.0 21
v Saline Public	18.5	10-20	114	1.0 23
v HF93-035 Public	17.2	10-19	113	1.0 22
v Williams 82 Public	16.9	10-21	115	1.0 23
v Pella 86 Public	16.0	10-23	117	1.0 22
v Yale Public	14.8	10-20	114	1.0 21
v Athow Public	9.6	10-18	112	1.0 18
v Charleston Public	8.3	10-17	111	1.0 16
Grand mean	18.5	10-18	112	1.0 22
B LSD (k=100)	4.0	5	5	ns 3
C.V. (%)	16.3	4	3	8
Maturity Group IV (1999)				
v Omaha Public	27.2 *	10-21	115	1.0 26
v Flyer Public	23.4	10-20	114	1.0 24
v Ina Public	17.5	10-24	118	1.0 25
v David SouthCross	16.9	10-24	118	1.0 29
v Mustang Public	16.9	10-24	118	1.0 25
b Beck 435NRR	15.0	10-28	122	1.0 25
Grand mean	19.5	10-24	118	1.0 26
B LSD (k=100)	3.0	2	2	ns 3
C.V. (%)	11.0	2	1	7

Conducted on the Southeast-Purdue Agricultural Center, Butlerville.

Donald J. Biehle, superintendent.

Soil type: Avonburg.

Soil test for Maturity Groups III and IV: pH 6.2,

P 32 ppm (high), K 103 ppm (medium).

Date of planting: June 28, 1999.

Date of harvest: October 28, 1999.

Table 30, continued. Location 5, Jennings Co., Double-Crop, Soybean Performance Trials, 1999 Results.

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 31. Results of Maturity Group II Soybean Performance Trials At Indiana Locations (Averaged Across Locations 1 and 2).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Three-Year Average (1997-1998-1999)				
b Callahan 8275	56.1 *	9-16	121	1.1 31
v DSR-300	53.9 *	9-20	125	1.5 35
v DSR-277	52.5 *	9-19	124	1.0 33
v Jack Public	51.8 *	9-19	124	1.9 40
v Sandusky Public	51.6 *	9-15	120	1.2 35
v Flint Public	49.0 *	9-14	119	1.5 31
v Kenwood 94 Public	48.7 *	9-11	116	1.5 33
v Chapman Public	48.1 *	9-15	120	1.1 32
Grand mean	51.5	9-16	121	1.4 34
B LSD (k=100)	ns	3	3	0.5 1
C.V. (%)	9.4	3	1	24.4 6
Two-Year Average (1998-1999)				
b D265 Garst	52.2 *	9-14	119	1.1 31
b Callahan 8275	51.2 *	9-15	120	1.1 32
v CX 277	49.2 *	9-14	119	1.0 32
b Beck 289	49.0 *	9-15	120	1.1 33
v DSR-280/STS	49.0 *	9-18	123	1.3 35
v DSR-300	48.5 *	9-18	123	1.6 37
v Savoy Public	48.3 *	9-11	116	1.0 30
v Jack Public	47.9 *	9-18	123	2.1 41
v CX 295	47.2 *	9-17	122	1.0 32
v Sandusky Public	46.9 *	9-12	117	1.2 36

Table 31, continued. Results of Maturity Group II Soybean Performance Trials At Indiana Locations (Averaged Across Locations 1 and 2).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.
Two-Year Average (1998-1999), continued				
v DSR-277	46.6 *	9-17	122	1.0 35
v Kenwood 94 Public	45.2	9-10	115	1.5 35
v Tiffin Public	44.1	9-11	116	2.0 35
v Chapman Public	44.0	9-13	118	1.1 34
v Flint Public	43.9	9-11	116	1.7 32
Grand mean	47.5	9-14	119	1.3 34
B LSD (k=100)	6.3	4	4	0.6 2
C.V. (%)	11.0	3	1	26.4 6
1999 Results				
b D265 Garst	50.5 *	9-16	120	1.0 31
b US S289 U.S. Seeds	49.8 *	9-17	120	1.0 32
v Rupp RS 2499	49.5 *	9-16	119	1.1 33
b Callahan 8275	48.2 *	9-16	120	1.0 32
v Rupp RS 2345	48.0 *	9-12	116	1.0 31
b Beck 289	47.8 *	9-18	121	1.0 33
v CX 294STS	45.9 *	9-19	122	1.3 32
v Dwight Public	45.5 *	9-18	122	1.0 32
v CX 277	45.2 *	9-15	119	1.0 32
v Savoy Public	44.8 *	9-10	114	1.0 29
v Tiffin Public	44.8 *	9-13	117	2.0 34
v DSR-300	44.3 *	9-20	124	1.6 36
v Sandusky Public	43.3 *	9-11	114	1.4 36
v Jack Public	43.3 *	9-20	124	2.3 41
v DSR-280/STS	43.1 *	9-20	124	1.4 33
v DSR-277	42.0 *	9-19	123	1.0 34
v CX 295	41.8 *	9-18	122	1.0 31
v Flint Public	40.7 *	9-11	114	1.4 31
v Kenwood 94 Public	40.5 *	9-10	113	1.3 33
v Chapman Public	39.4 *	9-14	117	1.0 33
b Beck 288N	37.2 *	9-17	120	1.0 36
v Archer Public	34.4	9-05	108	1.3 32
Grand mean	44.1	9-15	119	1.2 33
B LSD (k=100)	14.3	2	2	0.8 4
C.V. (%)	10.3	3	1	24.8 6

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Table 31, continued. Results of Maturity Group II Soybean Performance Trials At Indiana Locations (Averaged Across Locations 1 and 2).

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.
 (2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
 (3) 1 (erect) to 5 (flat).
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Table 32. Results of Maturity Group III Soybean Performance Trials At Indiana Locations (Averaged Across Locations 1, 3, 4 and 5).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.

Three-Year Average (1997-1998-1999)

v Defiance	Public	47.9 *	9-20	121	1.1	31
v Probst	Public	47.6 *	9-21	123	1.3	30
v Athow	Public	45.7 *	9-19	120	1.1	28
v Resnik	Public	45.2 *	9-20	121	1.1	30
v Edison	Public	45.1 *	9-21	123	1.2	30
v Thorne	Public	44.7 *	9-21	122	1.0	29
v Yale	Public	43.5 *	9-25	126	1.1	31
v Williams 82	Public	42.5 *	9-25	127	1.5	35
Grand mean		45.3	9-22	123	1.2	31
BLSD (k=100)		ns	2	2	0.2	1
C.V. (%)		13.0	3	1	27.9	8

Two-Year Average (1998-1999)

v Defiance	Public	49.5 *	9-19	117	1.1	33
v Athow	Public	49.0 *	9-17	116	1.1	31
v HF93-035	Public	48.3 *	9-17	115	1.4	33
v Probst	Public	48.2 *	9-20	119	1.4	33
v Edison	Public	47.5 *	9-20	118	1.3	33
v Resnik	Public	46.6 *	9-19	117	1.1	32
v Thorne	Public	45.9 *	9-19	118	1.1	32
v Yale	Public	45.1 *	9-24	122	1.2	33
v Williams 82	Public	44.1 *	9-24	123	1.6	39
Grand mean		47.1	9-20	118	1.3	33
BLSD (k=100)		ns	3	3	0.2	2
C.V. (%)		11.7	3	1	33.8	8

Table 32, continued. Results of Maturity Group III Soybean Performance Trials At Indiana Locations (Averaged Across Locations 1, 3, 4 and 5).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height
	bu./A.			in.

1999 Results

v Athow	Public	47.2 *	9-16	118	1.2	34
v Maverick	Public	47.2 *	9-21	123	2.3	44
v Edison	Public	47.0 *	9-17	120	1.4	36
v Resnik	Public	45.8 *	9-17	120	1.1	36
v Thorne	Public	45.1 *	9-17	120	1.1	36
v Probst	Public	45.1 *	9-19	121	1.5	37
v Defiance	Public	44.7 *	9-18	120	1.3	36
v HF93-035	Public	43.3 *	9-16	118	1.7	35
v Saline	Public	43.0 *	9-23	126	1.8	42
v Yale	Public	42.1 *	9-23	126	1.3	37
v Charleston	Public	41.7 *	9-17	119	1.0	22
v Pella 86	Public	39.6	9-15	117	1.1	34
v Williams 82	Public	39.5	9-23	126	1.6	42

Grand mean	43.9	9-19	121	1.4	36
BLSD (k=100)	7.6	2	2	0.6	2
C.V. (%)	11.2	3	1	37.4	7

(1) Lower case letters indicate entry type as follows: v-variety, b-brand, or m-mixture (blend).

Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.

Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.

(3) 1 (erect) to 5 (flat).

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Table 33. Results of Maturity Group IV Soybean Performance Trials At Indiana Locations (Averaged Across Locations 4 and 5).

Entry Type and Name (1)	Yield est.(2)	Maturity Date	Lodging -Days score(3)	Plant height	
	bu./A.			in.	
Three-Year Average (1997-1998-1999)					
v Omaha Public	53.4 *	9-25	120	1.3	28
v Flyer Public	48.7 *	9-23	119	1.1	29
Grand mean	51.1	9-24	120	1.2	29
BLSD (k=100)	5.1	ns	ns	ns	ns
C.V. (%)	7.2	2	1	23.0	7
Two-Year Average (1998-1999)					
v Exodus SouthCross	63.0 *	10-02	123	2.2	35
v Omaha Public	59.4 *	9-25	116	1.4	31
v Ina Public	55.2 *	10-01	122	2.0	38
v David SouthCross	55.0 *	10-01	122	1.1	37
v Flyer Public	53.4 *	9-25	116	1.2	32
Grand mean	57.2	9-29	120	1.6	35
BLSD (k=100)	ns	4	4	1.0	5
C.V. (%)	8.2	2	1	31.9	6
1999 Results					
v CX 400	61.1 *	9-24	124	1.1	34
v Exodus SouthCross	61.0 *	9-28	128	2.0	38
v Omaha Public	55.4 *	9-22	122	1.8	34
v LG 6457CSTS	54.6 *	9-27	127	1.6	40
v Flyer Public	50.7	9-20	120	1.4	35
v David SouthCross	47.6	9-25	125	1.0	40
v James SouthCross	46.2	9-24	124	1.4	40
v Ina Public	45.4	9-26	126	1.8	43
v Mustang Public	44.4	9-26	126	1.1	38
Grand mean	51.8	9-25	125	1.5	38
BLSD (k=100)	9.4	2	2	1.1	4
C.V. (%)	9.3	3	1	34.7	6

(1) Lower case letters indicate entry type as follows:
v-variety, b-brand, or m-mixture (blend).
Public entries were developed by Agricultural Experiment Stations (Indiana Agricultural Research Programs) or in cooperation with the Agricultural Research Service of the USDA.
Proprietary names are company or brand names generally associated in the trade with variety, brand or blend names.

Table 33, continued. Results of Maturity Group IV Soybean Performance Trials At Indiana Locations (Averaged Across Locations 4 and 5).

(2) Yields followed by an asterisk (*) are not, statistically, significantly different from the highest yield in the sub-table.
(3) 1 (erect) to 5 (flat).
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