

**Table 12. Tolerance of Soybean Cultivars to Herbicides, 1998, (continued).**

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Brand/Cultivar	<u>Metribuzin</u> <sup>1</sup>	<u>Propanil</u> <sup>2</sup> 7 DAA <sup>3</sup>	<u>Propanil</u> <sup>2</sup> 30 DAA <sup>3</sup>
		-----% injury-----	
<u>Early Planted Early Maturing Cultivars (RM 4.6 or Less)</u>			
Caverndale CF461	T	15	2
DEKALB CX399	T	18	5
DEKALB CX445	--	15	0
DEKALB CX450c	--	18	0
Hartz Variety H4252RR	T	30	18
HBK R4515 Roundup	T	20	2
MFA Morsoy 4426 SCN	T	23	13
MFA Morsoy 444 SCN	--	22	7
MFA Morsoy 4477 SCN	T	18	0
Midland X421N	T	22	2
NK Brand S38-L5	--	23	22
NK Brand S39-11	--	20	2
NK Brand S39-D9	T	15	0
NK Brand S42-K2	--	18	2
Terral TV4479	--	22	5
Grand mean		20	5
LSD (5%)		9	15
<u>Early Planted Late Maturing Cultivars (RM 4.7 to 5.3)</u>			
Caverndale CF492	T	27	10
DEKALB CX470c	--	17	0
DEKALB CX494	T	23	7
Deltapine DP 3478	--	17	7
Deltapine DP 4750RR	I	20	0
Deltapine DP 4969RR	T	21	5
Deltapine DPX 8S49	T	23	2
HBK R4898 Roundup	T	28	8
HBK X9749	T	23	5
Mycogen 470	--	20	3

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		-----% injury-----	
<b>68</b>			
<u>Early Planted Late Maturing Cultivars (RM 4.7 to 5.3) continued</u>			
Mycogen 5474	T	25	8
SF 477RR	--	23	10
Terral TV4770	--	19	0
Grand mean		22	5
LSD (5%)		10	15
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>			
AgriPro APX 4510RR	T	23	3
AgriPro APX 4602RR	T	28	8
Asgrow A4604	T	17	2
Asgrow A4715	--	24	10
Delta Grow 4640	T	17	2
Delta Grow 4646RR	T	24	7
Delta Grow 4650RR	--	13	0
Delta Grow 4710	--	26	8
Delta King 4762 RR	T	17	0
Delta King 4860	--	19	8
Dixie 478	--	17	2
DynaGro 3463RR	T	19	0
ES 4	T	17	0
FFR RT467	T	18	2
HBK 4600	--	23	10
HBK 4755	--	22	3
HBK X9744s	T	21	3
HBK X9746	T	33	17
HyPerformer HY4540	--	25	8
Midland 8475	T	17	3
MPV 437NRR	T	17	0
MPV 457NRR	T	24	7

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-----% injury-----			
<b>69</b>			
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) continued</u>			
NK Brand 3474	--	22	7
NK Brand S43-B5	--	16	3
NK Brand S46-44	--	30	7
NK Brand S46-W8	T	23	7
Pioneer Variety 94B41	T	19	3
SG 468RR	T	18	3
Terra TS4792	T	17	0
Terral TV4664	--	22	5
Terral TV4666RR	--	18	2
TN 4-86	--	18	0
Triumph TR 4339RR	T	20	2
Willcross 2467N-RR	T	23	7
Williams 82	--	16	0
Grand mean		21	4
LSD (5%)		11	11
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>			
AgriPro AP 4880	--	22	0
AgriPro APX 4980RR	T	19	0
Asgrow A4922	--	22	2
Chesapeake	--	19	0
Delta King 4965RR	T	20	0
Dyna-Gro 3495	--	18	0
EK 4998	T	19	3
FFR 495	T	16	0
Hartz Variety H4994RR	--	22	7
HBK 4890	T	21	0
HyPerformer HY 498	T	20	3
Manokin	--	19	2

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-----% injury-----			
<b>70</b>			
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) continued</u>			
Midland 8486	--	19	0
NK Brand RA452	--	24	7
Pioneer Variety 9482	--	21	0
Pioneer Variety 9492	T	20	2
Pioneer Variety 94B81	T	16	3
Riverside 490	--	21	3
SG 498RR	T	20	2
Terral TV4975	--	22	2
TN 4-94	--	23	5
Grand mean		20	2
LSD (5%)		8	6
<u>Maturity Group V</u>			
Accomac	--	19	2
AgriPro AP 543RR	--	29	7
AgriPro AP 572 STS	--	26	0
AgriPro AP 588RR	--	20	0
Asgrow A5547	--	23	0
Asgrow A5704	T	21	0
Asgrow A5843	--	21	0
Asgrow A5848	--	20	0
Asgrow A5944	--	25	2
Asgrow A5959	--	25	0
Buckshot 55	--	24	5
Caviness	--	22	0
Crowley	--	18	0
DEKALB CX553c	T	25	3
DEKALB CX570c	--	18	0
DEKALB DG500A	T	27	2

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		-----% injury-----	
<u>Maturity Group V continued</u>			
DEKALB DG500B	T	28	0
DEKALB DG531	T	32	8
DEKALB DG758	--	17	0
DEKALB DG759	--	20	0
DEKALB DG858	T	30	3
Delsoy 5500	--	24	2
Delsoy 5710	T	18	0
Delta Grow 5330	--	23	2
Delta Grow 5710	--	30	3
Delta Grow 5719	T	26	2
Delta Grow 5858RR	--	29	3
Delta Grow 5910	T	20	0
Delta King 5263 RR	T	18	2
Delta King 5664 RR	T	20	0
Delta King 5850	--	25	3
Delta King 5961 RR	T	22	0
Delta King 5995	--	23	0
Deltapine DP 3588	--	19	2
Deltapine DP 5354	T	19	0
Deltapine DP 5644RR	--	19	3
Deltapine DP 5806RR	--	19	2
Deltapine DP 5960RR	--	19	0
Deltapine DPX 8S56	T	17	0
Deltapine DPX 8S59	--	24	5
Dixie X5501RR	T	28	10
Dixie X5502RR	T	30	2
DT 95-15091	T	23	0
Dyna-Gro 3576	--	27	2
EK 5398N	T	28	0
EK 5498	T	23	0
ES 56	T	23	0

Maturity Group V continued

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		-----% injury-----	
Essex	--	19	0
Essex RSV1	--	20	0
FFR 597	T	23	2
FFR RT517	T	23	3
FFR RT557	T	29	8
FFR RT587	T	23	2
Hartz Variety H5050	--	20	0
Hartz Variety H5181RR	T	28	2
Hartz Variety H5999RR	--	23	2
Hartz Variety HLA 572	--	22	0
Hartz Variety HX5013RR	T	27	3
HBK 5149	--	20	0
HBK 5770	T	35	5
HBK 5990	--	19	0
HBK 5991	T	18	3
HBK R5404	T	29	0
HBK R5411	T	29	3
HBK R5588	T	23	3
HBK R5884	T	26	2
HBK X571-98	T	26	5
Hutcheson	--	29	3
HyPerformer HY 574	--	31	3
Md 92-5769	T	25	2
Midland 8530	T	23	5
MPV 537NRR	T	25	0
NK Brand S51-00	--	21	0
NK Brand S51-T1	T	16	0
NK Brand S53-Q7	T	19	0
NK Brand S57-11	--	17	0
NK Brand S59-60	--	17	0
NK Brand S59-V6	--	23	0

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		-----% injury-----	
NK X9851	T	19	0
NK X9855	T	20	0
NK X9856RR	T	26	0
NK X9857RR	T	19	0
Pioneer Variety 9552	T	18	0
Pioneer Variety 9594	--	16	0
Pioneer Variety 95B41	T	20	0
Pioneer Variety 95B71	T	16	0
Prince	T	18	0
R93-174	T	27	2
Riverside 520	T	23	0
Riverside 529I	--	22	0
Riverside 549	--	19	0
Riverside 77	--	24	2
Riverside Robin-5	--	25	0
S94-1956	T	31	5
SF 567 RR	--	19	0
SG 567RR	--	21	2
SG 597RR	T	20	2
Shogun	T	19	2
Terral TV 5466RR	T	32	12
Terral TV 5866RR	--	28	5
Terral TV 5926	--	21	0
Terral TV 5495	--	19	0
Terral TV 5666RR	T	30	2
Terral TV 5797	--	23	0
Terral TVX 5266RR	T	24	2
TN 5-95	--	18	0
Triumph TR 5409RR	T	29	3
UAPX 0038RR	T	20	2
UARK-5798	--	23	0

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Maturity Group V continued

UARK-5896	--	24	2
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		-----% injury-----	
V89-805	T	18	0
V90-1012	--	19	0
V91-3036	--	27	0
Willcross 2517RR	T	33	2
Grand mean		23	2
LSD (5%)		7	6
 <u>Maturity Group VI</u>			
Asgrow A6297	--	17	0
Buckshot 66	--	20	0
Cache	--	18	0
Davis	--	24	5
DEKALB DG762	--	19	2
Deltapine 8S60	T	18	0
Dillon	--	23	2
ES 11	T	27	2
ES 2-77	T	19	2
ES 34	T	16	0
ES 35F	T	19	2
ES 48N	T	18	0
ES MA	T	19	0
Hartz Variety H6191	T	24	3
HBK 6600	T	18	2
HBK 6800	T	19	0
Musen	--	24	3
NK Brand S62-62	--	20	2
Pioneer Variety 9611	--	16	0
Pioneer Variety 9692	--	18	0

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Maturity Group VI continued

Pioneer Variety 96B01	T	19	2
R92-1258	--	20	0

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		-----% injury-----	
Riverside 678	--	18	0
SC91-2007	T	23	2
SG 617RR	--	20	2
SG 678RR	T	18	2
SGA Benning	T	33	8
SGA Boggs	--	23	2
SGA Haskell	--	20	0
SGX66RR	T	28	0
SGX68RR	T	19	0
Stonewall	--	19	2
TN 6-90	--	17	0
Grand mean		20	1
LSD (5%)		9	5

<sup>1</sup> Reaction to 0.125 hydroponic screening to metribuzin. Ratings as made by Dr. Tom Kilen, USDA-ARS, Stoneville, MS.  
T = Tolerant, I = Intermediate, S = Susceptible.

-- Varieties tested in previous years were not tested in 1998.

<sup>2</sup> Propanil was applied at 0.25X rate when plants were in the V4 to V5 growth stage to simulate drift from rice fields.

<sup>3</sup> Days after Propanil application. Ratings by Ms. Marilyn McClelland.