

Table 1. Evaluation of fungicides, registered for use against Asian soybean rust, against soybean foliar diseases, and white mold during 2006 at Nashua, 7 weeks after treatment application (assessment date Sept. 12, 2006).

Trmt	Trial 1	Application rate (oz/ac)	Downy mildew		Frogeve leaf spot		Sudden death syndrome		White mold		Yield (bu/ac) ⁴
			Incidence (%)	Severity (%)	Incidence (%)	Severity (%)	Incidence (%)	Severity (%)	Incidence (%)	Severity (%)	
1	Untreated check	0	88.8	43.8	78.8	27.5	0	0	0.43	62	52.49 cde
2	Punch ¹	4	100.0	50.0	70.0	30.0	0	0	0.02	25	44.76 ef
3	Punch ¹	3	87.5	30.0	100.0	37.5	0	0	0.37	75	45.25 ef
4	Punch ¹	4	100.0	35.0	57.5	17.5	0	0	0.08	25	52.15 cde
5	Punch ¹	3	87.5	27.5	87.5	37.5	0	0	0.20	100	51.67 de
6	Punch ¹	4	100.0	35.0	77.5	18.8	0	0	0.35	75	45.87 ef
7	Charisma ¹	10	85.0	27.5	100.0	45.0	0	0	0.17	25	41.41 f
8	Uppercut ¹	4	85.0	17.5	100.0	37.5	0	0	0.33	75	44.12 ef
9	Quadris ¹	6.2	100.0	25.0	100.0	35.0	0	0	0.46	75	60.88 abcd
10	Headline ¹	6.2	75.0	35.0	80.0	30.0	0	0	0.30	75	57.43 abcd
11	Quadris+Alto+NIS ¹	5.5+4+0.25 % v/v	87.5	30.0	100.0	32.5	0	0	0.76	50	61.31 abc
12	Quadris+Alto+NIS ^{1,3}	5.5+4+0.25 % v/v	87.5	42.5	100.0	22.5	0	0	0.35	75	59.77 abcd
13	Quilt+COC ^{1,3}	14+1%v/v	75.0	27.5	100.0	35.0	0	0	0.41	50	60.50 abcd
14	Quadris+COC ¹	6+1%v/v	100.0	45.0	100.0	32.5	0	0	0.11	25	64.25 a
15	Topguard ¹	7	75.0	25.0	80.0	33.8	0	0	0.68	50	55.44 abcd
16	Topguard ¹	14	100.0	52.5	100.0	25.0	0	0	0.30	75	56.88 abcd
17	Topguard ^{1,2}	7	90.0	35.0	90.0	25.0	0	0	0.48	75	62.25 ab
18	Topguard+NIS ¹	7+0.25%v/v	75.0	40.0	80.0	30.0	0	0	0.31	50	57.63 abcd
19	Topguard+Headline ¹	7+6	100.0	42.5	100.0	30.0	0	0	0.28	50	58.66 abcd
20	Spectra ¹	4	100.0	45.0	77.5	32.5	0	0	0.69	75	59.25 abcd
21	Headline ¹	6	100.0	40.0	76.3	23.8	0	0	0.37	75	52.94 bcde
22	Headline+Wet Sol 99 ¹	6+4	100.0	42.5	100.0	35.0	0	0	0.17	50	56.87 abcd
23	Headline+Wet Sol 99 ¹	3+4	90.0	45.0	100.0	25.0	0	0	0.07	50	55.46 abcd

¹Treatments 2–23 applied on R3 growth stage soybeans on July 24, 2006.

²Treatments 17 received second application at R3 + 21-day growth stage on August 15, 2006.

³Treatments 12 and 13 received second application at R3 + 28-day growth stage on August 21, 2006.

⁴Means sharing a common letter do not differ significantly ($P < 0.05$), no treatment differences found if no letters present.

Table 2. Evaluation of fungicides, registered for use against Asian soybean rust, against soybean foliar diseases, and white mold during 2006 at Nashua, 7 weeks after treatment application (assessment date Sept. 12, 2006).

Trmt	Trial 2	Application rate (oz/ac)	Downy mildew incidence (%)	Downy mildew severity (%)	Frogeye leaf spot incidence (%)	Frogeye leaf spot severity (%)	SDS incidence (%)	SDS severity (%)	White mold incidence (%)	White mold severity (%)	Yield (bu/ac) ⁴
25	Untreated check	0	0	0	0	0	0.02	12.5	2.44 a	100	63.23
26	Laredo+NIS ¹ Laredo+Headline+NIS ^{1,2}	7+0.125%v/v, 5+6+0.125v/v	0	0	0	0	0.30	67.5	0.83 b	100	64.71
27	Enable+COC ¹ Enable, Headline+COC ^{1,2}	7+1%v/v, 5+6+1%v/v	0	0	0	0	0.15	67.5	1.44 ab	100	58.24
28	Dithane+NIS ¹ Dithane+NIS ^{1,3}	2.5 lbs+ 0.125%v/v, 2.5 lbs+ 0.125%v/v	0	0	0	0	0.08	25.0	0.96 b	100	59.07
29	Dithane+NIS ³	2.5lbs + 0.125%v/v	0	0	0	0	0.15	75.0	1.70 ab	100	59.80
30	Domark ¹	4	0	0	0	0	0.08	50.0	1.96 ab	100	59.20
31	Domark+Quadris ¹	3+3	0	0	0	0	0.06	50.0	1.48 ab	100	59.93
32	Phenix ¹	5	0	0	0	0	0.04	25.0	1.66 ab	100	60.28
33	LEM 17 ^{1,3}	2	0	0	0	0	0.08	25.0	1.37 ab	100	56.18
34	LEM 17 ^{1,3}	3.5	0	0	0	0	0.04	25.0	1.94 ab	100	58.91
35	LEM 17 ^{1,3}	5	0	0	0	0	0.06	25.0	2.18 ab	100	55.35
36	LEM 17+Punch ^{1,3}	2+3.3	0	0	0	0	0.17	50.0	1.88 ab	100	62.58
37	LEM 17+Folicur ^{1,3}	2+2	0	0	0	0	0.07	50.0	0.83 b	100	58.42
38	Punch ^{1,3}	4	0	0	0	0	0.08	25.0	1.65 ab	100	58.17
39	LEM 17 ¹	5	0	0	0	0	0.06	25.0	1.63 ab	100	57.56
40	Folicur ^{1,3}	4	0	0	0	0	0.00	0.0	2.06 ab	100	59.59
41	Absolute ^{1,3}	5	0	0	0	0	0.11	75.0	0.85 b	100	67.09
42	Stratego+Induce ^{1,3}	10+0.125%v/v	0	0	0	0	0.09	50.0	1.16 ab	100	66.91
43	Headline ^{1,3}	6	0	0	0	0	0.19	97.5	1.20 ab	100	63.33
44	Quilt ^{1,3}	14	0	0	0	0	0.17	72.5	1.02 ab	100	62.63

¹Treatments 26–28 and 30–44 applied on R3 growth stage soybeans on July 25, 2006.

²Treatments 26 and 27 received second application at R3 + 21-day growth stage on August 15, 2006.

³Treatments 28 and 29 and 33–38 and 40–44 received second application at R4–R5 growth stage on August 8, 2006.

⁴Means sharing a common letter do not differ significantly (P<0.05), no treatment differences found if no letters present.

Table 3. Evaluation of fungicides, registered for use against Asian soybean rust, against soybean foliar diseases, and white mold during 2006 at Nashua, 7 weeks after treatment application (assessment date Sept. 12, 2006).

Trmt	Trial 3	Application rate (oz/ac)	Downy mildew incidence (%)	Downy mildew severity (%)	Frogeye leaf spot incidence (%)	Frogeye leaf spot severity (%)	SDS incidence (%)	SDS severity (%)	White mold incidence (%)	White mold severity (%)	Yield (bu/ac) ⁴
47	Headline+Caramba ¹	4.4+7.7	0	0	0	0	0.03	11.3	1.15	81.3	74.08
48	Headline+Caramba ¹	3.6+6.1	0	0	0	0	0	0	0.83	87.5	69.90
49	Headline+NIS ¹	6+0.25% v/v	0	0	0	0	0	0	0.42	87.5	74.60
50	Headline+NIS ¹ Caramba ^{1,2}	6+0.25% v/v, 8	0	0	0	0	0	0	0.89	87.5	69.55
51	Headline+NIS ¹ Headline+Caramba ^{1,2}	6+0.25% v/v, 3.6+6.1	0	0	0	0	0.08	18.8	1.16	90.0	71.88
52	Headline+Folicur ¹	4.7+3.2	0	0	0	0	0	0	1.10	87.5	73.33
53	Headline+Folicur ¹	3.6+2.4	0	0	0	0	0	0	0.64	90.0	73.85
54	Quadris+NIS ¹	6.2+0.125% v/v	0	0	0	0	0	0	0.42	65.0	72.73
55	Headline+NIS ¹	6+0.125%v/v	0	0	0	0	0	0	1.66	85.0	72.38
56	Folicur ¹	4	0	0	0	0	0	0	1.31	87.5	72.55
57	Domark ¹	5	0	0	0	0	0	0	1.70	87.5	72.25
58	Headline SBR ¹	7.8	0	0	0	0	0	0	1.33	87.5	75.63
59	Stratego ¹	7	0	0	0	0	0	0	1.77	85.0	72.20
60	Quilt ¹	14	0	0	0	0	0.02	15.0	1.95	85.0	72.25
61	Headline+Caramba (12.1) ¹	4.4 + 7.7	0	0	0	0	0.04	17.5	1.54	87.5	74.78
62	Caramba ¹	8.2	0	0	0	0	0	0	1.33	85.0	71.03
63	Laredo ¹	7	0	0	0	0	0	0	0.94	87.5	68.50
64	Gem+Folicur ¹	2.88 + 3.1	0	0	0	0	0	0	1.64	87.5	72.23
65	Headline ¹	6	0	0	0	0	0	0	0.71	92.5	75.60
66	Headline+Caramba (12.1) ¹	4.4 + 7.7	0	0	0	0	0	0	1.83	88.8	73.53
67	Headline+Caramba (12.1) ¹ /Caramba ^{1,2}	4.4+7.7/8.2	0	0	0	0	0	0	0.75	92.5	77.05
68	Headline/Caramba (12.1) ¹ Headline/Caramba (9.7) ^{1,2}	4.4+7.7/ 3.1+6.1	0	0	0	0	0	0	0.73	87.5	73.53
69	Headline ¹ /Headline + Caramba (9.7) ^{1,2}	6/3.1 + 6.1	0	0	0	0	0	0	0.69	67.5	74.23
70	Untreated check	0	0	0	0	0	0	0	1.33	67.5	71.69

¹Treatments 47–69 applied on R3 growth stage soybeans on July 26, 2006.

²Treatments 50 and 51 and 67–69 received second application at R3 + 21-day growth stage on August 15, 2006.

³No significant differences were found among treatments.