

Table 1. Efficacy of fungicides labeled for Asian soybean rust against other fungal diseases that occur in Iowa, phytotoxicity, and soybean yield.

Treatments	Southeast Research and Demonstration Farm, Crawfordsville, IA				Northeast Research and Demonstration Farm, Nashua, IA			
	Final Disease Severity (%)				Final Disease Severity (%)			
	Brown Spot	Frogeye Leaf Spot ^a	Phytotoxicity ^b	Yield (bu/acre)	Brown Spot	Spot	Yield (bu/acre)	Yield (bu/acre)
Domark 230 ME	5	R3	0 c	63.3	11.25 cdef	72.7		
Domark 230 ME + Domark 230 ME	3 + 3	R1 + R5	0 c	67.3	5.0 h	75.1		
Domark 230 ME + Domark 230 ME	4 + 4	R1 + R5	0 c	66.3	10.0 defg	76.7		
Laredo 25 EW/Laredo 25 EW + Headline	7/5 + 6	R1 + 21 days later	0 c	68.1	11.25 cdef	77.6		
Laredo 25 EW + Laredo 25 EW	7 + 7	R1 + 21 days later	0 c	69.8	16.25 ab	72.7		
Punch 400 EC	4	R3	0 c	60.9	6.25 gh	75.2		
Charisma 207 EC	10	R3	0 c	61.8	10.0 defg	72.7		
Punch 400 EC + Punch 400 EC	4 + 4	R1 + 21 days later	0 c	72.8	10.0 defg	74.0		
Charisma 207 EC + Charisma 207 EC	10 + 10	R1 + 22 days later	0 c	67.7	20.0 a	72.9		
Punch 400 EC + Charisma 207 EC	4 + 10	R1 + 23 days later	0 c	63.5	13.75 bcd	73.4		
Folicur 3.6 F	4	R3	18.75 a	64.3	7.5 fgh	74.0		
Headline	6	R3	0 c	66.4	6.25 gh	77.7		
Echo 720 + Echo 720	20 + 20	V5 + R3	0 c	63.5	10.0 defg	73.0		
Echo 720 + Folicur 3.6 F	20 + 4	V5 + R3	16.25 a	64.9	6.25 gh	73.4		
Impact + Impact	7 + 7	R1 + 18–20 days later	1.25 c	59.8	15.0 bc	74.8		
Impact + Impact	7 + 7	R1 + 28 days later	0 c	69.0	10.0 defg	74.3		
Folicur 3.6 F + Stratego	4 + 7	R1 + R3	0 c	64.1	10.0 defg	73.3		
Folicur 3.6 F + Stratego	4 + 10	R1 + R3	0 c	69.3	11.25 cdef	73.5		
Stratego + Folicur 3.6 F	7 + 4	R1 R3	16.25 a	67.5	12.5 bcde	75.6		
Stratego + Folicur 3.6 F	7 + 4	R1 + <=10% rust	0 c	70.7	8.75 efgh	70.4		
Folicur 3.6 F + Stratego	4 + 4	R1 + R5	0 c	67.5	16.25 ab	74.7		
Folicur 3.6 F + Stratego	4 + 10	<=10% rust	0 c	68.9	6.25 gh	74.2		
Folicur 3.6 F + Folicur 3.6 F	4 + 4	<=10% rust + 7–10 days later	0 c	64.3	15.0 bc	72.2		
Quit	14	R3	2.5 c	63.4	15.0 bc	73.4		
Tilt 3.6 EC	4	R3	0 c	66.2	12.5 bcde	75.9		
Caramba + Caramba	9.6 + 9.6	R1 + 21 days later	0 c	63.5	11.25 cdef	76.0		
Caramba + Headline/Caramba + Headline	7.68 + 4.43/7.68 + 4.43	R1 + 21 days later	0 c	69.7	20.0 a	75.0		
Caramba + Headline/Caramba + Headline	9.6 + 4.29/9.6 + 4.29	R1 + 21 days later	1.25 c	69.7	7.5 fgh	75.0		
Headline + Folicur 3.6 F/Headline + Folicur 3.6 F	4.71 + 3.16/4.71 + 3.16	R1 + 21 days later	0 c	71.8	16.25 ab	74.0		
Headline/Headline + Folicur 3.6 F	6.14/4.71 + 3.16	R1 + 21 days later	1.25 c	71.1	6.25 gh	76.6		
Headline/Headline + Caramba	6.14/4.43 + 7.68	R1 + 21 days later	1.25 c	70.7	10.0 defg	76.0		
Folicur 3.6 F + Folicur 3.6 F	3.56 + 3.56	R1 + 21 days later	0 c	70.1	7.5 fgh	73.0		
Dithane	2.5 lbs/ac	R5	0 c	56.3	12.5 bcde	74.2		
Heads Up	1g/L of spray	1st true leaves	0 c	64.8	11.25 cdef	72.7		
Untreated Control	—	—	0 c	65.3	10.63 def	73.5		

^aMeans sharing a common letter do not differ significantly according to the Waller-Duncan t test ($P < 0.05$).

^bPhytotoxicity was evaluated as percent leaf area damaged.