

Table 1. Impact of fungicide application frequency and application interval on white mold management in soybeans; Carrington and Oakes, ND (2021). *Within-column means followed by different letters are significantly different ($P < 0.05$)*

	Sclerotinia severity index (percent of canopy)			Sclerotinia severity index (percent of canopy)		
	OAKES, ND (2020)			CARRINGTON, ND (2020)		
	AG06X8	AG09F0	AG11X8	AG009X8	AG06X8	AG09F0
Soybean variety:						
Soybean maturity:	0.6	0.9	1.1	00.9	0.6	0.9
Non-treated control	38 b*	29 c*	34 c*	4 b*	49 c*	37 c*
Endura 5.5 oz/ac (R2 growth stage)	40 b	18 abc	30 bc	2 ab	30 ab	19 ab
Endura 5.5 oz/ac (R2 + 7 days)	27 ab	8 a	19 ab	1 a	17 a	6 a
Endura 5.5 oz/ac (R2 + 10 days)	27 ab	13 a	23 abc	1 a	19 a	12 a
Endura 5.5 oz/ac (R2 + 12 days)	15 a	7 a	19 abc	1 a	19 a	14 a
Endura 5.5 oz/ac (R2 + 14 days)	27 ab	9 a	10 a	1 a	25 ab	17 ab
Topsin 40 fl oz/ac (R2 growth stage)	42 b	26 bc	36 c	1 a	37 bc	31 bc
Topsin 40 fl oz f.b. Endura 5.5 oz (R2 + 7 days)	29 ab	16 ab	26 bc	1 a	15 a	15 a
Topsin 40 fl oz f.b. Endura 5.5 oz (R2 + 10 days)	31 ab	12 a	29 bc	1 a	19 a	16 ab
Topsin 40 fl oz f.b. Endura 5.5 oz (R2 + 12 days)	30 ab	14 ab	22 abc	1 a	20 a	19 ab
Topsin 40 fl oz f.b. Endura 5.5 oz (R2 + 14 days)	37 b	13 ab	16 ab	0 a	25 ab	16 ab
CV:	36.2	52.1	17.1	117.1	39.4	49.0
	Yield (bushels/acre)			Yield (bushels/acre)		
	OAKES, ND (2020)			CARRINGTON, ND (2020)		
	AG06X8	AG09F0	AG11X8	AG009X8	AG06X8	AG09F0
Soybean variety:						
Soybean maturity:	0.6	0.9	1.1	00.9	0.6	0.9
Non-treated control	60 a*	67 ab*	68 c*†	58 a*	42 c*	41 c*
Endura 5.5 oz/ac (R2 growth stage)	64 a	72 ab	68 bc	59 a	55 ab	53 bc
Endura 5.5 oz/ac (R2 + 7 days)	67 a	76 a	77 abc	58 a	59 a	58 abc
Endura 5.5 oz/ac (R2 + 10 days)	66 a	74 ab	75 abc	58 a	56 ab	56 abc
Endura 5.5 oz/ac (R2 + 12 days)	65 a	72 ab	77 abc	59 a	55 ab	53 abc
Endura 5.5 oz/ac (R2 + 14 days)	66 a	74 ab	85 a	58 a	55 ab	52 a
Topsin 40 fl oz/ac (R2 growth stage)	58 a	66 b	68 bc	60 a	48 bc	43 bc
Topsin 40 fl oz f.b. Endura 5.5 oz (R2 + 7 days)	65 a	73 ab	72 abc	58 a	58 a	53 abc
Topsin 40 fl oz f.b. Endura 5.5 oz (R2 + 10 days)	63 a	73 ab	72 abc	58 a	55 ab	51 abc
Topsin 40 fl oz f.b. Endura 5.5 oz (R2 + 12 days)	63 a	72 ab	77 abc	57 a	55 ab	50 abc
Topsin 40 fl oz f.b. Endura 5.5 oz (R2 + 14 days)	61 a	73 ab	82 ab	60 a	57 a	53 ab
CV:	14.7	8.0	11.5	6.1	9.1	9.0

Figure 1. Yield gain conferred by a second fungicide application made 7, 10, 12, or 14 days after the first application; Carrington and Oakes, ND (2020-21). Dots represent results from individual studies; bars represent average values. Different letters denote statistical separation ($P < 0.05$; Tukey multiple comparison procedure).

