

Target Spot Fungicide & Variety Comparisons

Ratings - Frogeye leaf spot(FLS), Target spot(TS)

**2018 - 3 locations**

Target spot leaf ratings	Variety	FLS	TS	Yield
Resistant	AG44X6	2.6 b	2.0 b	53.5
Mod. Susceptible	AG43X7	0.1 c	2.7 b	54.0
Susceptible	AG39X7	3.8 a	6.3 a	52.6

**2019 - 3 locations**

**2020 - 2 location**

	Variety	FLS	TS	Yield	Variety	FLS	TS
Resistant	AG46X6	1.7 a	0 c	40.8 ab	AG46X6	0.6	2.8 b
Mod. Susceptible	AG43X7	0.4 b	2.6 b	43.3 a	AG43X7	0.8	6.0 a
Susceptible	AG49X6	0 c	10.5 a	39.5 b	AG53X0	0.8	7.4 a

Treatments	fl oz/a	Active Ingredients and FRAC Groups-Codes
Priaxor+Tilt	4+4	Fluxapyroxad (SDHI-7), Pyraclostrobin (QoI-11), Propiconazole (DMI-3)
Miravis Top	13.7	Adepidyn/Pydiflumetofen (SDHI-7), Difenoconazole (DMI-3)
Domark	5	Tetraconazole (DMI-3)
Quadris Top SBX	7	Azoxystrobin (QoI-11), Difenoconazole (DMI-3)
Topsin XTR	20	Thiophanate methyl (MBC-1), Tebuconazole (DMI-3)

<b>2018</b>	AG39X7 - Susc.		AG43X7-Mod. S		AG44X6- Resist.		Avg. Yield
	TS	Yield	TS	Yield	TS	Yield	
Across 3 locations							
Non-treated check	9.2	49.7	3.6	52.0	5.1 a	53.7	51.8
Domark	8.2	50.3	3.3	53.3	1.0 b	50.7	51.4
Topsin XTR	6.1	51.2	2.3	54.1	1.3 b	51.6	52.3
Priaxor+Tilt	5.1	52.3	2.6	55.2	1.8 b	54.1	53.9
Quadris TOP SBX	5.3	53.5	2.2	54.0	1.0 b	55.4	54.3
Miravis TOP	3.8	55.4	2.1	57.0	1.5 b	55.6	56.0

<b>2019</b>	AG49X6- Susc.		AG43X7-Mod. S		AG46X6-Resist.		Avg. Yield
	TS	Yield	TS	Yield	TS	Yield	
Across 3 locations							
Non-treated check	17.8 a	34.0 b	4.0 a	41.0	0	40.0	38.3
Domark	15.8 a	39.0 ab	2.4 ab	43.4	0	40.2	40.9
Quadris TOP SBX	10.6 ab	40.6 ab	2.3 ab	44.9	0	41.5	42.3
Priaxor+Tilt	7.0 b	38.7 ab	2.8 ab	43.2	0	41.2	41.0
Miravis TOP	7.5 b	44.7 a	2.2 b	45.0	0	41.2	43.7
Topsin XTR	4.4 b	40.0 ab	1.6 b	42.4	0	40.9	41.1

<b>2020</b>	AG53X0 - Susc.		AG43X7-Mod. S		AG46X6-Resist.	
	TS	Yield	TS	Yield	TS	Yield
Across 2 locations						
Non-treated check	7.1		4.9 ab		3.0	
Domark	8.3		7.5 a		2.1	
Miravis TOP	2.4		2.8 ab		2.4	
Priaxor+Tilt	4.3		1.4 b		1.6	
Topsin XTR	3.1		1.8 b		0.0	
Quadris TOP SBX	5.9		5.2 ab		1.0	

values in same column with different letter indicates statistical differences at p<0.05