

Mix & Match Comparisons

Ratings - Frogeye leaf spot(FLS), Target spot(TS), Septoria brown spot(SBS), Phytotoxicity (Phyto)

2018 - 3 locations

Frogeye leaf spot rating	Variety	FLS	TS	Phyto	Yield
Resistant	Pioneer 44A72	0 b	0 b	3.6 a	49.1
Mod. Susceptible	Pioneer 46T30	1.5 b	4.6 a	1.6 b	47.6
Susceptible	Pioneer 40T26	4.4 a	3.6 a	2.6 ab	47.7

2019 - 2 locations

2020 - 1 location

	Variety	FLS	Phyto	Yield	Variety	FLS	Phyto
Resistant	44A72	0 c	2.2 a	48.6 b	44A72	0.1 c	1.4 a
Mod. Susceptible	48A60	4 b	0.4 b	52.5 a	43A42	1.7 b	0.2 b
Susceptible	45A19	8 a	0.6 b	51.1 ab	48A60	4.5 a	0.1 b

Treatments	fl oz/a	Active Ingredients and FRAC Groups-Codes
Quadris+Tilt	6+4	Azoxystrobin (QoI-11), Propiconazole (DMI-3)
Quadris+Tebu Star	6+4	Azoxystrobin (QoI-11), Tebuconazole (DMI-3)
Topguard EQ (2018+2019)	5	Azoxystrobin (QoI-11), Flutriafol (DMI-3)
Miravis Top (2020)	13.7	Adepidyn/Pydiflumetofen (SDHI-7), Difenconazole (DMI-3)
Topsin+Tilt (2018)	20+4	Thiophanate methyl (MBC-1), Tebuconazole (DMI-3)
Quadris Top SBX (2019)	7	Azoxystrobin (QoI-11), Difenconazole (DMI-3)
Revytek (2020)	8	Fluxapyroxad (SDHI-7), Pyraclostrobin (QoI-11), Revysol/Mefentrifluconazole (DMI-3)
Acropolis	20	Thiophanate methyl (MBC-1), Tetraconazole (DMI-3)

2018	P40T26 - Susc.		P46T30-Mod. S		P44A72- Resist.		Avg. Yield
	FLS	Yield	FLS	Yield	FLS	Yield	
Across 3 locations							
Non-treated check	9.8 a	47.3	2.4	46.8	0	47.4	47.2
Topsin+Tilt	3.6 b	48.9	0.9	47.0	0	46.0	46.9
Quadris+Tilt	4.3 b	46.1	0.9	46.6	0	50.2	48.0
Acropolis	3.2 b	46.5	0.9	47.0	0	48.9	48.0
Quadris+Tebu Star	3.7 b	45.9	3.2	47.6	0	49.2	48.5
Topguard EQ	1.6 b	47.5	0.6	46.2	0	48.7	48.9

2019	P45A19 - Susc.		P48A60-Mod. S		P44A72-Resist.		Avg. Yield
	FLS	Yield	FLS	Yield	FLS	Yield	
Across 2 locations							
Non-treated check	17 a	47.2 c	10 a	50.4	0	46.0	47.9
Quadris + Tilt	6 b	50.1 bc	4 b	54.9	0	51.5	52.2
Quadris + Tebu Star	8 b	50.1 bc	4 b	51.2	0	45.0	48.8
Topguard EQ	4 b	48.7 bc	2 b	51.9	0	48.9	49.8
Quadris Top SBX	6 b	56.7 a	2 b	50.6	0	50.4	52.6
Acropolis	7 b	53.9 ab	2 b	55.7	0	49.9	53.2

2020	48A60 - Susc.		43A42-Mod. S		P44A72-Resist.	
	FLS	SBS	FLS	SBS	FLS	SBS
Across 1 locations						
Non-treated check	14.3 a	12.5	3.8 a	10 ab	0	21.3 a
Quadris+Tilt	3.0 b	11.5	1.5 ab	14.3 a	0	11.8 b
Quadris+Tebu Star	4.3 b	8.8	1.3 ab	6.5 ab	0	10 bc
Miravis TOP	1.3 b	4.5	0.5 b	4.3 b	0	3.8 c
Revytek	1.3 b	8.5	0.6 b	2.3 b	0	4.3 c
Acropolis	2.8 b	11.0	2.3 ab	7.0 ab	0	7.5 bc

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