USE RESISTANCE MANAGEMENT – ALTERNATE WITH LOW RISK FUNGICIDES | LOW RISK FUNGICIDES

Mode of Action	Benzimidazoles	Dicarboximides	DMI-fungicides	PhenylAmides	SDH Inhbitors	Anilino Prymidines	Qo I/Strobilurin	PhenylPyrroles	Quinolines	Hydroxyanilides	Polyoxins	QiI	Benzimides	Cyanoacetamide-oxime	Phosphonates	Carboxylic Acid Amides	Pyridinylmethyl-Benzamide	Quinone X Inhibitor	phenyl-acetamide	aryl-phenyl-ketone	Copper	Sulfur	Dithiocarbamates	Phthalimides
FRAC CODE	1	2	3	4	7	9	11	12	13	17	19	21	22	27	33	40	43	45	U6	U8	M1	M2	M3	M4
Phomopsis	+						S																+	+
Black Rot			+				+																+	F
Downy Mildew				+			+					+	+	+	+	+	+	+			+		+	+
Botrytis		+			+	+	F	+		+	+													
Powdery Mildew			+		+		+		+		+								+	+	+	+	F	
RISK	H	M	M	H	M	M	H	ML	M	ML	M	M	ML	ML	L	ML	U	H	M	M	L	L	L	L

Thiophanate Methyl
Topsin-M
Rovral
Elite
Rally
Inspire Super
Quadris Top
Ridomil
Endura
Pristine
Switch
Vanguard
Inspire Super
Abound
Tanos, Flint
Sovran
Quadris Top
Switch
Quintec
Captevate
Elevate
PH-D
Tavanos
Ranman
Gavel
Tanos
Phites
Forum
Revus
Presidio
Zampro
Torino
Vivando
Champ
Cuprofix
Kocide
Kumulus
Thiolux
Dithane
Penncozeb
Ziram
Captan

Efficacy

	Most members of this class are not effective
M	Moderate activity
S	Some members of this class are effective
+	Most members of this class show activity

Risk for resistance

H	High risk for resistance
M	Moderate risk for resistance
ML	Low-moderate risk for resistance
U	As yet undetermined risk for resistance
L	Low risk for resistance