

Harrell's ProtectMAX®

PLANT PROTECTION



ITEM	PRODUCT	U of M	REI	SITES	KEY DISEASES	USE RATES	FRAC	FEATURES & BENEFITS
HPMAZO	AZOXY 25C	1 GAL	4 HRS	GH, N, FG	Alternaria, Bipolaris, Cercospora, Corynespora, Gliocladium, Myrothecium, Powdery Mildew, Rhizoctonia, Rusts	1.9 - 7.7 OZ/100 1.0 OZ/100 (Drench)	11	Broad spectrum, 30+ diseases, Root to Leaf tip, Outstanding on Rust diseases, Up to 28 day residual
HPMCLT-6L	CHLOROTHALONIL 6L	2.5 GAL	12 HRS	GH, N	Blackspot, Botrytis, Entomosporium, Fusarium, Gliocladium, Myrothecium, Phyllosticta	1 3/8 PTS/100	M5	Broad spectrum CONTACT fungicide of 50+ diseases, 14 - 21 day residual
HPMCLT-DF	CHLOROTHALONIL DF	5 LB				1.25 LBS/100		
HPMCYA	CYAZO	39.2 OZ	12 HRS	GH, N, FG	Pythium Crown, Phytophthora Downy Mildew	1.5 - 6.0 OZ/100	21	Powerful Curative and Preventative Pythium Fungicide. Exceptionally effective Rotational partner for root rots, root dysfunction and foliar blight
HPMFLX	FLUOXASTROBIN SC	0.5 GAL	12 HRS	GH, N, FG	Anthracnose, Alternaria, Cercospora, Fusarium, Pythium, Rhizoctonia	0.5 OZ/100 (Drench) 1 - 8 OZ/100 (Foliar Spray)	11	Translaminar and Xylem systemic strobilurin fungicide. Unique movement means powerful efficacy of key diseases
HPMMAN	MANCOZEB	12 LB	24 HRS	GH, N, FG	Excellent tank mix partner- Anthracnose, Bipolaris, Black Spot, Botryosphaeria, Cercospora, Rust, Scab	1 - 2 LBS/100, .75 - 3 LBS/50-200 GAL ¹	M3	Multi-site action prevents pathogenic organisms from adapting and mutating, so after decades of use no fungal strains resistance
HPMPRO	PROPICONAZOLE	2.5 GAL	12 HRS	N	Botryosphaeria, Entomosporium, Powdery Mildew	2 - 24 OZ/100	3	Broad spectrum control of common foliar and dieback diseases like leaf spots, rust, powdery mildew
HPMTEB	TEBUCONAZOLE	2.5 GAL	12 HRS	N, FG	Anthracnose, Black Spot, Botryosphaeria, Cylindrocladium, Fusarium	4 - 10 OZ/100	3	Long lasting curative and preventative against tough diseases such as Fusarium, phomopsis, and branch dieback diseases
HPMTML	T-METHYL	2.5 GAL	12 HRS	GH, N	Anthracnose, Cylindrocladium, Entomosporium, Fusarium, Rhizoctonia, Rusts, Thielaviopsis	8 - 24 OZ/100 (Foliar Spray) 12 - 20 OZ/100 (Drench) 10 - 39 OZ/A ¹	1	Protects a broad spectrum of crops against a wide range of diseases w/ systemic control which is why it is one of the most widely used fungicides
HPMTPF-2.5, 30	TITILE PHYTE	2.5 GAL	4 HRS	GH, N	Bacteria diseases, Downy Mildew, Phytophthora, Pythium (some)	32 - 64 OZ/100 (Foliar Spray) 12 - 24 OZ/100 (Drench) 32 - 96 OZ/100/A ¹	P07	Backbone of a balanced approach disease management program while supplementing nutritional needs of a guaranteed 0-0-30

1 - LABELED VEGGIES

PRODUCT CHEAT SHEET



Product Information							Rates								Phytomobility			Average Rates				
Name	Brand Comparison	Formulation	Sku Size	Active	FRAC Resistance Management Code	Restricted Entry Interval (REI)	Residential	Commercial	Greenhouse	Nursery	Greenhouse Vegetables	California	Rate Range (Oz./100 gallons)	Max Single App Use Rate (Oz./Acre)	Annual Max Use (Oz./Acre)	Maximum Number of Sequential Applications	Reapplication Interval (Days)	Acropetal penetrant ¹	Contact ²	True Systemic ³	Foliar Spray/100 gal ⁴	Drench/100 gal ⁵
ProtectMAX Azoxy	Heritage	SC	1 gal	Azoxystrobin - 22.93%	11	4 hrs	x	x	x	x		x	1.9 - 15.5	15.5	307.2	2	7 - 28	x			4 fl oz	1 fl oz
ProtectMAX Chlorothalonil 6L	Daconil WeatherStik	L	2.5 gal	Chlorothalonil - 54%	M5	12 hrs				x	x		16 - 22	22	776	-	7 - 14		x		24 fl oz	
ProtectMAX Chlorothalonil DF	Daconil Ultrex	DF	5 lb	Chlorothalonil - 82.5%	M5	12 hrs				x	x		14.4 - 40	20	704	-	7 - 14		x		40 oz	
ProtectMAX Propiconazole	Banner Maxx	L	2.5 gal	Propiconazole - 14.3%	3	12 hrs	x	x		x		x	2 - 24	24	704	-	7 - 28	x			8 fl oz	
ProtectMAX Tebuconazole	Torque	L	2.5 gal	Tebuconazole - 38.7%	3	12 hrs	x	x		x		x	4 - 10	10	40	1	7 - 28	x			7 fl oz	
ProtectMAX T-Methyl	Cleary's 3336	L	2.5 gal	Thiophanate-methyl - 46.2%	1	12 hrs	x	x	x	x	x	x	8 - 24	85.3	8537.6	-	7 - 28	x			16 fl oz	16 fl oz
ProtectMAX Fluoxastrobin	Fame	SC	0.5 gal	Fluoxastrobin - 40.3%	11	12 hrs	x	x	x	x		x	0.15 - 8	16	68	2	7 - 28	x			3 fl oz	0.5 fl oz
ProtectMAX Cyazo	Segway	L	0.3 gal	Cyazofamid - 34.5%	21	12 hrs	x	x	x	x		x	1.5 - 6	25	100	2	14 - 28		x		3 fl oz	3 fl oz
ProtectMAX Mancozeb	Protect	DF	12 lbs	Mancozeb - 75%	M3	24 hrs	x	x	x	x	x	x	16 - 64	64	512	-	7 - 21		x		20 oz	
ProtectMAX Title Phyte	-	L	2.5 gal	Mono-and di-Potassium Phosphite - 50.6%	P07	4 hrs	x	x	x	x	x	x	32 - 64	64	-	-	14 - 28			x	48 fl oz	18 fl oz

¹ Acropetal penetrants enter plant tissues and distribute toward leaf tips through the xylem which can suppress the development of established infections.

² Contact fungicides provide protection against infection but cannot suppress existing infections inside the plant.

³ True systemics penetrate plant tissues and may be circulated throughout the plant in xylem and phloem (moves upward and downward in the plant).

⁴ Spray volume ranges from 100 - 400 gallons per acre depending on plant size.

⁵ Drench volume ranges from 400 - 2000 gallons per acre depending on plant size.