









Reference Chart for Fungicide Rotation and Resistance Management

2024

Canadian Turfgrass Fungicides by Fungicide Group

Fungicide Group (Number & Name)		Product	PCP#	Active Ingredient(s)	Phytomobility	Fungicide Group(s)
1	MBC (Methyl Benzimidazole Carbamates)	 Renovo	32097	Thiophanate-methyl	xylem systemic	1
3	DMI (DeMethylation Inhibitors)	Banner Maxx	27003	Propiconazole	xylem systemic	3
		Eagle	26585	Myclobutanil	xylem systemic	3
		Maxtima	33406	Mefentrifluconazole	xylem systemic	3
		Mirage	32405	Tebuconazole	xylem systemic	3
		Premis	28387	Triticonazole	xylem systemic	3
		QP Propiconazole	28797	Propiconazole	xylem systemic	3
		Tourney	30928	Metconazole	xylem systemic	3
		Ascernity	31527	Difenoconazole, Benzovindiflupyr	XS, LS	3, 7
		Dedicate	33236	Tebuconazole, Trifloxystrobin	XS, LS	3, 11
		Insignia Pro	34892	Mefentrifluconazole, Pyraclostrobin	XS, LS	3, 11
		Instrata	28861	Propiconazole, Fludioxonil, Chlorothalonil	XS, C, C	3, 12, M5
Pendant Pro	34210	Propiconazole, Fludioxonil	XS, C	3, 12		
4	PhenylAmides	Subdue Maxx	27055	Metalaxyl-M and S-isomer	xylem systemic	4
7	SDHI (Succinate Dehydrogenase Inhibitors)	Cadence	27496	Boscalid	xylem systemic	7
		 Kabuto	31759	Isofetamid	locally systemic	7
		 Penthion SC	35027	Penthiopyrad	xylem systemic	7
		Posterity	33019	Pydiflumetofen	locally systemic	7
		Velista	30334	Penthiopyrad	xylem systemic	7
		Xzemplar	33778	Fluxapyroxad	xylem systemic	7
		Ascernity	31527	Difenoconazole, Benzovindiflupyr	XS, LS	3, 7
		Exteris	32206	Fluopyram, Trifloxystrobin	XS, LS	7, 11
		Honor	32329	Boscalid, Pyraclostrobin	XS, LS	7, 11
		Instrata II	32711, 32712	Benzovindiflupyr, Fludioxonil	LS, C	7, 12
		 Polaro SC	34121, 35026	Penthiopyrad, Fluoxastrobin	XS, XS	7, 11
11	QoI (Quinone outside Inhibitors)	Compass	27527	Trifloxystrobin	locally systemic	11
		 Disarm	31857	Fluoxastrobin	xylem systemic	11
		Heritage Maxx	26155	Azoxystrobin	xylem systemic	11
		Insignia	32247	Pyraclostrobin	locally systemic	11
		Pinpoint	32289	Mandestrobin	xylem systemic	11
		Insignia	32247	Pyraclostrobin	locally systemic	11
		Dedicate	33236	Tebuconazole, Trifloxystrobin	XS, LS	3, 11
		Exteris	32206	Fluopyram, Trifloxystrobin	XS, LS	7, 11
		Honor	32329	Boscalid, Pyraclostrobin	XS, LS	7, 11
		Insignia Pro	34892	Mefentrifluconazole, Pyraclostrobin	XS, LS	3, 11
		 Polaro SC	34121, 35026	Penthiopyrad, Fluoxastrobin	XS, XS	7, 11
12	PP (PhenylPyrroles)	Medallion	31528	Fludioxonil	contact	12
		Pendant	32728	Fludioxonil	contact	12
		Instrata	28861	Propiconazole, Fludioxonil, Chlorothalonil	XS, C, C	3, 12, M5
		Instrata II	32711, 32712	Benzovindiflupyr, Fludioxonil	LS, C	7, 12
		Pendant Pro	34210	Propiconazole, Fludioxonil	XS, C	3, 12
19	Polyoxins	Affirm	32920	Polyoxin D zinc salt	locally systemic	19
21	Qil (Quinone inside Inhibitors)	 Segway	32642	Cyazofamid	locally systemic	21
28	Carbamates	Banol	29156	Propamocarb Hydrochloride	locally systemic	28
29	Uncoupler of Oxidative Phosphorylation	Flex-guard	35103	Fluazinam	contact	29
		Secure	32991	Fluazinam	contact	29
PO7	Phosphonates	 Phostrol Pro	33899	Mono and dibasic sodium, potassium & ammonium phosphites	phloem/xylem systemic	PO7
		Signature XTRA	32800	Fosetyl-AL	phloem/xylem systemic	PO7
M5	Chloronitriles	Chlorothalonil 720F	32030	Chlorothalonil	contact	M5
		Daconil 2787	15724	Chlorothalonil	contact	M5
		Instrata	28861	Propiconazole, Fludioxonil, Chlorothalonil	XS, C, C	3, 12, M5
NC	Diverse	Civitas	29825	Mineral oil	contact	NC
		 Jade	34118	Mineral oil	contact	NC

 Highlighted cells represent a product containing multiple active ingredients

References

Fungicide Resistance Action Committee, "FRAC Code List 2024"
 Health Canada Pest Management Regulatory Agency Pesticide Database www.hc-sc.gc.ca
 Chemical Control of Turfgrass Diseases 2020, Vincelli, Clarke, Koch, Munshaw, pg. 2-3

Always read & follow label directions

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