



PROTECTION GUIDE FOR TURFGRASS

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Table 3-3. Disease control products registered for use on sod farms, golf courses and other excepted uses (cont'd)

Disease, conditions, cultural control	Control (in order by highest LD ₅₀ , i.e. least toxic)	Rate/100m ²	Interval (days)	Comments from the product label See label for complete information.
brown patch, Rhizoctonia blight (<i>Rhizoctonia solani</i>) (cont'd)	Premis 200 F*	32 mL	14–21	Apply at the first sign of disease or when conditions favour disease development. Repeat every 14 days when conditions exist. Do not apply more than 3 times a season.
	Chipco Triton	32 mL	14–21	Apply at the first sign of disease or when conditions favour disease development. Shorten spray interval when disease pressure is high. Under low disease conditions, the spray interval may be increased up to 21 days. Do not apply more than 3 times a season.
	Tourney™ Fungicide	8.4–11.2 g	once	Apply in 8 L of water per 100 m ² . Use preventatively when conditions favour disease development.
	Banner MAXX	51–103 mL	14	Apply when conditions favour disease development. Use the higher rate under severe disease pressure. Do not apply if disease symptoms are present. Do not apply more than 6 times a season.
	Qualipro Propiconazole 14.3 ME*	51–103 mL	14	Apply when conditions favour disease development. Use the higher rate under severe disease pressure. Do not apply if disease symptoms are present. Do not apply more than 6 times a season.
cool season brown patch, yellow patch (<i>Rhizoctonia cerealis</i>) Occurs April to May and September to November during cool, wet weather.	Banner MAXX	77–103 mL	once	Apply once in late fall before snow cover. Do not apply on top of snow. Do not apply more than once a season.
	Qualipro Propiconazole 14.3 ME*	77–103 mL	once	Apply once in late fall before snow cover. Do not apply on top of snow. Do not apply more than once a season.
dollar spot (<i>Sclerotinia homoeocarpa</i>) Occurs June to September under humid and warm conditions. Begins when iris and peony are in full bloom. Avoid nitrogen deficiency, drought stress, soil compaction and excessive thatch, especially on annual bluegrass. Light frequent application of foliar-applied nitrogen will decrease the severity.	ProTurf Granular Systemic Fungicide	0.66–1.32 kg	14–21	For prevention, apply to moist or dry foliage at normal rate when disease activity is noted or suspected.
	Senator 70 WP WSB*	25–30 g	10–14	Apply after mowing or avoid mowing for 12 hours after application. Begin when disease first appears. When pressure is severe, apply at higher rates.
	Civitas	250–500 mL	14	Apply as a preventive treatment or when conditions are favourable for disease development. The addition of a compatible spray indicator, such as a dye, is suggested. Test this product on a small area of fairways, greens, roughs and tees prior to broad application, as short-cut turf may be more susceptible to disease and phytotoxicity.
	Velista	9–15 g	14–21	Begin application at the early stage of disease development. Use the high rate for moderate to high disease pressure and/or for curative situations. The interval for golf greens and tees is 14 days. The interval for golf fairways and other turf is 14–21 days.
	Quali-Pro Iprodione	62 mL	Repeat applications as required	The minimum control period is 21 days. Alternate with other fungicides with different modes of action in a dollar spot control program to reduce the possible development of disease resistance.
	Rhapsody ASO*	125–250 mL	7–10	Begin when conditions favour disease development. Continue as necessary on a 7–10 day intervals. Apply in enough water to provide thorough coverage. Under moderate-to-severe disease pressure, use higher rates and minimum spray intervals and use in a program with other registered fungicides.

* Fungicide formulation abbreviations: ASO: aqueous suspension organic; EG: water dispersible granular; F: flowable; FF: flowable fungicide; ME: microemulsion; SP: soluble pack; W: wettable; WDG: water dispersible granule; WG: wettable granule; WP WSB: wettable powder water soluble bag; WSP: water soluble pouch.

Table 3-3. Disease control products registered for use on sod farms, golf courses and other excepted uses (cont'd)

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dollar spot (<i>Sclerotinia homoeocarpa</i>) (cont'd)	Cadence 70 WDG*	3.2–4.0 g	14	Should be applied prior to or in the early stages of disease development. Apply in 5–15 L of water/100 m ² . Do not exceed 2 consecutive applications before using another mode of action for at least one application. Do not apply more than 6 times a season. Do not apply more than 24 g/100 m ² a year.
	Daconil Ultrex	29–58 g (fairways preventive)	7–14	Apply preventive rates when conditions favour disease development and repeat as long as conditions persist. Under severe conditions, use the curative rates and spray on a 7-day schedule. Daconil Ultrex can be tank-mixed at 115 g/100 m ² with Banner MAXX at a rate of 300 mL/100 m ² .
		58–115 g (greens, tees, ornamental preventive)	7–14	
		115–212 g (greens, tees, ornamental curative)	7–14	
	ProTurf Granular Fungicide X	2.34–3.52 kg	14	To prevent disease, apply at the normal-to-heavy rate to moist or dry turf when disease activity is anticipated and repeat at 2-week intervals. If disease pressure is heavy, apply at the heavy rate to moist or dry foliage. When disease is under control, revert to bi-weekly normal rate applications. To control disease, apply to moist or dry foliage at the heavy rate as soon as disease activity is noticed. Repeat bi-weekly until disease is under control, then revert to the normal or heavy-rate applications bi-weekly.
	Rovral Green GT	62 mL	21	Apply at the first signs. Repeat as required. Alternate with other fungicides.
	Eagle 40 WSP*	15–20 g	14–21	Start applications before or immediately after the first signs. Do not apply more than 4 times a year. Under conditions optimum for severe disease development, use the shortest interval and highest rate.
	Trilogy SC*	65 mL	21	Apply at the first sign of dollar spot or when environmental conditions favour dollar spot development. Maximum of 2 applications during dollar spot infection period. DO NOT apply more than 2 sequential applications of TRILOGY SC or other strobilurin (Group 11) fungicides before alternating to a non-strobilurin fungicide for at least 2 applications.
	Chipco Triton	16 mL	14–21	Apply at the first sign of disease or when conditions favour its development. Repeat every 14–21 days to maintain control. Do not apply more than 3 times season.
	Insignia EG* (suppression only)	15.4–28 g	14–28	Apply when conditions are favourable for the disease.
	Premis 200 F*	16 mL	14–21	Apply at the first sign of disease or when conditions favour its development. Repeat every 14–21 days to maintain control. Do not apply more than 3 times a season.

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dollar spot (<i>Sclerotinia homoeocarpa</i>) (cont'd)	Tourney™ Fungicide	8.4–11.2 g	once	Use higher rates when the turf is under high dollar spot pressure. Apply in 8 L of water per 100 m ² .
	Banner MAXX	26–51 mL	21–28	Apply when conditions favour disease development. Rotate with fungicides that have a different mode of action. Banner MAXX Fungicide can be tank-mixed with Daconil 2787 Flowable Fungicide or Heritage Fungicide. Do not apply more than 6 times a season.
	Qualipro propiconazole 14.3 ME*	26–51 mL	21–28	Apply when conditions favour disease development. Can be tank-mixed (see Daconil 2787 or Heritage Fungicide). Rotate with fungicides that have a different mode of action. Do not apply more than 6 times a season.
fairy ring	Heritage MAXX	63 mL	28	Apply as soon as symptoms develop. May take 2–3 weeks to disappear. Severely damaged turf may need reseeding.
fusarium patch (<i>Microdochium nivale</i>) Occurs in cool, wet conditions in spring, fall and early winter. Avoid excess nitrogen and remove dew.	Heritage MAXX	32–63 mL	14–28	Apply when conditions are favourable for disease development, i.e., extended period of cool (<15.5°C) and wet weather in spring and fall.
	Quali-Pro Iprodione	185 mL	21–28	Apply in the fall or spring on a preventive basis when cool and wet conditions are favourable for disease development.
	Compass 50 WG*	3.8 g	14	Apply when conditions favour disease development or when disease is present after snow melt. For curative applications apply on a 14-day interval, 2–3 times. Do not apply more than twice in a row. Do not apply more than 2.5 kg/ha a year.
	Rovral Green GT	185 mL	21–28	Apply in spring and fall for prevention when conditions favour disease development.
	Premis 200 F*	32 mL	21	Apply in fall or early winter for suppression. If disease persists, apply again. Mix Premis with 185 mL of Rovral Green GT. If high disease pressure is anticipated in the spring, apply fungicide twice before snow fall.
	Chipco Triton	32 mL	21	Apply in the fall or early winter when conditions favour disease development. Repeat when disease pressure persists. Can be tank-mixed with 185 mL of Rovral Green GT. Do not apply more than 3 times a season.
	Banner MAXX	51–103 mL	30	Apply in the fall or early spring during cool, wet weather. Use the high rate only under high disease pressure. Do not apply more than twice a season.
	Qualipro Propiconazole 14.3 ME*	51–103 mL	30	Apply in the fall or early spring during cool, wet weather. Use the high rate only under high disease pressure. Do not apply more than twice a season.

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