

MULTIGUARD PROTECT[®] EC REGISTRATION FOR NEMATODE CONTROL IN TURF

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Multiguard Protect[®] EC, active ingredient furfural, has been registered by the US EPA for nematode control on turf. Multiguard Protect[®] EC is labeled for use on golf course greens, tees and turf farms at 75 l/ha and followed on a 2-4 week application interval with 51 l or 75 l /ha. The unique properties of Multiguard Protect[®] EC allows for multiple in-season applications to provide season long nematode control without turf injury. The label allows for up to 6 applications per growing season on golf course greens, tee boxes and turf farms. Multiguard Protect[®] EC can be applied in water volumes ranging from 5100 to 7500 liters per hectare. Furfural is a contact nematicide and must be moved into the turf profile with irrigation. The current Multiguard Protect[®] EC formulation contains 1.04 kg furfural/l. At the labeled rates, Multiguard Protect[®] EC is safe for use when applied post emergence on both warm and cool season turf grass species and is active against *Belonolaimus* spp (Sting), *Hoplolaimus galeatus* (Lance), *Criconemella xenoplax* (Ring), *Meloidogyne* spp (Root Knot) and *Paratrichodorus minor* (Stubby Root) nematodes. The reentry interval following the Multiguard Protect[®] EC application is 2 hours or until the turf is dry. There is a 15-foot buffer around the typical golf course tee or green.

With the loss of Nematicur, (active ingredient, fenamiphos) in the United States, golf course superintendents are left with very few tools available for the post emergence control of nematodes in turf. The labeling of Multiguard Protect[®] EC gives the golf course superintendents an opportunity to manage the nematodes on the course without worrying about causing damage to the turf. Research and demonstration trials have been conducted across the major turf nematode problem areas of the US and Multiguard Protect[®] EC has been shown to be safe for the in-season applications while having the ability to significantly reduce the nematode populations and improve the competitive growth ability of the turf.

Multiguard Protect[®] EC is currently being tested on field and vegetable crops and future registrations are expected for these crops. A review of the United States data for Multiguard Protect[®] EC applications to field crops will be included in the presentation.