

Curfew Soil Fumigant Suppresses Mole Cricket Activity in Bermudagrass Turf. (C05-lickfeldt164518-Poster)

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Abstract:

Dow AgroSciences has been developing Curfew Soil Fumigant (1,3-Dichloropropene) for the last three years for control of soil pests in golf course fairways. The nematicide was evaluated under a 5000-acre experimental use permit in the state of Florida in 2001 and 2002. Studies conducted by the University of Florida and Clemson University have determined that Curfew injected 15 cm deep at 47 L ha⁻¹ provides suppression of mole cricket (*Scapteriscus borelli* and *S. vicinus*) tunneling comparable to industry standards (Chipco Choice and Dursban 2CG) through 90 days after treatment. Turf treated from May to August demonstrated suppressed mole cricket tunneling and this timing coincides with the optimal timing for nematode suppression in the southern United States. Turf injury was minimal and injection slits normally healed within three weeks after injection. Golf course superintendents receive an exceptional value from a Curfew injection when they suppress both nematodes and mole crickets thereby improving both the rooting

characteristics and the uniformity of warm-season turf.

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