

0611 – (General) **TURF:** Agrotis palustris (Huds)
 TURFGRASS ANT; Lasius neoniger Emery

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ANT MOUNDING ON A GOLF COURSE FAIRWAY, 2006: An irrigated bentgrass section of the ninth fairway at McQuire’s Resort in Cadillac, MI was divided into 12 ft X 12 ft plots with a 3 ft buffer between plots. Plots were blocked based on precounts taken on 5/25/06 by counting the number of active ant mounds. The treatments were applied on 5/25/06 with a CO₂ powered R&D backpack boom sprayer at 175 gal finished spray/acre at 50 psi with four 8008 flat fan nozzles. Plots were evaluated on 8 Jun, 22 Jun and 7 Jul by counting active ant mounds in each plot.

Maple syrup did not increase the efficacy of the Talstar treatment.

Compound	Given rate	ai/A	Ant	Ant	Ant	Ant
			Mounds	Mounds	Mounds	Mounds
			5/25	6/8	6/22	7/7
Dursban 50W	2 lb form/A	1 lb	27.0 a	9.8 a	16.0 a	7.5 a
Talstar 2/3 EC	40 oz/A	0.21 lb	26.0 a	6.3 a	19.0 a	11.7 a
Talstar 2/3 EC & Maple Syrup	40 oz/A	0.21 lb	26.3 a	6.7 a	20.7 a	12.0 a
Distance 1.67% Fire Ant Bait	1.5 lb form/A	0.025 lb	27.2 a	47.7 b	39.2 b	18.2 a
Control			28.0 a	45.5 b	43.0 b	18.2 a

Means followed by the same letter are not significantly different (LSD < 0.05). Means transformed log+1 prior to ANOVA. Untransformed means are presented in table.

Compound	Given rate	ai/A	% reduction from Control			
			5/25	6/8	6/22	7/7
Dursban 50W	2 lb form/A	1 lb	0.0	78.5	62.8	58.8
Talstar 2/3 EC	40 oz/A	0.21 lb	0.0	86.2	55.8	35.7
Talstar 2/3 EC & Maple Syrup	40 oz/A	0.21 lb	0.0	85.3	51.9	33.3
Distance 1.67% Fire Ant Bait	1.5 lb form/A	0.025 lb	0.0	0.0	8.8	0.0
Control			0.0	0.0	0.0	0.0