9801 BENTGRASS (CREEPING): Agrostis palustris Hudson
Honey Ants; Prenolepsis imparis ---- 50-75%
Pavement Ants; Tetramorium caespitum ---- 12%
Black Field Ants; Formica spp. ---- 8-32%

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ANT EFFICACY ON A GOLF COURSE FAIRWAY IN OTTAWA COUNTY MI., 1998: An irrigated bentgrass section of the ninth fairway at Spring Lake Country Club in Spring Lake, MI was divided into eighty eight 12 ft X 12 ft plots with a 3 ft walkway between them. The fairway was mowed 3 times a week and was heavily irrigated throughout the test. Each treatment was replicated 6 times. Precounts were taken on the morning of 17 Jun by dividing the plots in half and having 2 samplers count all active mines in their half of the plot and adding the numbers together. The treatments were blocked out based on these precounts. The application were made in the afternoon of 17 Jun. All spray treatments were applied with a CO_2 powered R&D backpack boom sprayer at a rate of 175 gal finished spray/acre at 50 psi with four 8008 nozzles. Granular treatments were applied with a hand-held "salt shaker". Post treatment evaluations were made on 23 Jun, 30 Jun, 6 Jul, 14 Jul, 22 Jul and 28 Jul in the same manner as the precounts.

No treatments were significantly different from each other and no treatments were significantly different from the controls. This may be due to the frequent mowing and irrigation that the fairway received after the applications were applied.

			Active Ant Mounds						
Company	**Chemical**	**Rate/A**	**6/17**	**6/23**	**6/30**	**7/6**	**7/14**	**7/22**	**7/28**
American Cyanamid	Amdro 0.73%	0.0146 lb ai	23.3 a	11.5 a	12.2 a	16.8 a	12.5 a	9.3 a	7.5 a
Bayer	Tempo 20WP	0.364 lb ai	20.5 a	8.5 a	13.5 a	23.3 a	10.8 a	9.5 a	9.5 a
Control			23.0 a	15.2 a	15.0 a	15.8 a	13.3 a	12.5 a	13.0 a
Dow AgroScience	Dursban Pro 2EC	1.0 lb ai	30.8 a	9.3 a	8.5 a	22.5 a	6.2 a	6.2 a	4.7 a
Agrevo	DeltaGard 0.1G	0.13 lb ai	28.2 a	8.5 a	13.3 a	23.8 a	13.3 a	10.0 a	12.2 a
FMC	Talstar F 0.66EC	0.1 lb ai	27.5 a	6.5 a	6.3 a	21.0 a	9.2 a	4.3 a	4.5 a
FMC	Talstar F 0.66EC	0.2 lb ai	34.2 a	10.8 a	14.8 a	26.0 a	8.5 a	5.7 a	5.3 a
FMC	Talstar G 0.2G	0.2 lb ai	29.8 a	10.5 a	13.0 a	19.2 a	8.5 a	7.0 a	8.3 a
FMC	Talstar G 0.2G	0.4 lb ai	22.8 a	14.2 a	16.7 a	21.7 a	17.3 a	12.8 a	14.8 a
Rhone Poulenc	EXP 61508 0.05G	0.0125 lb ai	29.5 a	11.8 a	21.2 a	28.2 a	8.7 a	9.2 a	8.7 a
Rhone Poulenc	EXP 61508 0.05G	0.01875 lb ai	21.3 a	17.0 a	12.5 a	13.2 a	10.5 a	8.7 a	6.3 a
Rhone Poulenc	EXP 61508 0.05G	0.0250 lb ai	35.2 a	12.5 a	14.8 a	27.8 a	9.8 a	6.2 a	4.5 a

Means followed by the same letter are not significantly different (P<0.05 ANOVA/Fisher's Protected LSD). All data were log transformed prior to ANOVA, untransformed means are presented on table.