

IV. Grub test at Country Club of Jackson. The 4 ft x 4 ft plots were arranged in area that has been infested with European chafer grubs for more than 11 years and Japanese beetle for the last 9 years. The treatments were all replicated 6 times and were blocked from one end of the plot to the other. Plots were established on 5 Jun. All plots were watered with 1/4" of irrigation after insecticide treatment. All plots were sampled on 8 Oct by digging 2 ft² from the center of each plot. .

July of 2003 was relatively wet in Michigan. Therefore, European chafer populations were very low and Japanese beetle grubs made up more than 85% of the population. The Merit, Mach 2, Sevin and Dylox gave 80% control or better of Japanese beetle grubs. The Precise (acephate) treatments and the calcium treatments did not give significant control although the highest rate of the calcium did give a 60% reduction in the grub population.

Table 5. Number of grubs per 2.0 ft² in research plots at Country Club of Jackson after treatment insecticide products.

Treatment	Application Date	Japanese beetle grubs/2.0 ft²
Merit 75 WP	July 11	0
Dylox 6.2 G	Aug 22	2.0
Sevin SL	Aug 22	2.3
Mach 2	July 11	3.7
Calcium 500 lbs/A	July 11, July 25, Aug 22	6.7
Precise Acephate G	July 25	8.7
Control	-	18.0
Calcium 250 lbs/A	July 11, July 25, Aug 22	16.8