

Table 3. Percent reduction in ant mounds for 5 weeks after a single application at Wuskowhan Players Club.

| Product | Rate (ai/A) | 6/2 | 6/9 | 6/16 | 6/23 | 6/30 | 7/7 |
|----------------|--------------------|------------|------------|-------------|-------------|-------------|------------|
| Dursban Pro | 1 lb | 0 | 71 | 100 | 92 | 84 | 80 |
| Scimitar | 0.069 lb | 0 | 87 | 97 | 92 | 77 | 75 |
| Talstar F | 0.05 lb | 0 | 87 | 95 | 86 | 56 | 57 |
| Precise | 5 lb | 0 | 63 | 63 | 75 | 55 | 80 |
| Astro | 0.2 lb | 0 | 92 | 60 | 64 | 79 | 70 |
| Tempo 20WP | 0.135 lb | 0 | 87 | 62 | 26 | 21 | 0 |
| Sevin SL | 8 lb | 0 | 52 | 45 | 54 | 55 | 38 |
| DeltaGard GC | 0.85 lb | 0 | 84 | 35 | 40 | 17 | 9 |
| Merit 75WP | 4 lb | 0 | 55 | 22 | 48 | 66 | 46 |
| Unsprayed | -- | 0 | 0 | 0 | 0 | 0 | 0 |

III. Earthworm mounding on golf courses. Earthworm mounds are so abundant in the spring on some golf courses with heavy soils, that over 50% of the turf is lost on some fairways. Although earthworms are also very beneficial to turf, this kind of damage is unacceptable to golfers. Two products commonly used for suppressing earthworms, Cleary 3336 and Sevin SL, were tested at Kalamazoo Country Club in April of 2003. Data were collected as the number of earthworm mounds per plot at 2, 4 and 6 weeks after application (Table 4). Dursban had little effect on earthworms. Sevin reduced mounding by 96% the first 2 weeks after application, but had no suppressive effect after 6 weeks. Cleary 3336 applied at the 11 lbs ai/A rate reduced mounding by 90% for the 6 weeks of this study.

Table 4. Suppression of earthworm mounding on a fairway at Kalamazoo Country Club.

| Product | Rate (lbs ai/A) | 4/14 | 4/28 | 5/14 | 5/27 |
|--------------------|------------------------|-------------|-------------|-------------|-------------|
| Cleary 3336 | 10.9 | 0 | 94 | 93 | 88 |
| Dursban | 1.0 | 0 | 0 | 0 | 0 |
| Sevin SL | 8.0 | 0 | 96 | 42 | 0 |