

# Lawns – Commercial

| Pest                   | Insecticide           | To Make   |   | Remarks       |
|------------------------|-----------------------|---|---|---------------|
|                        |                       | I Gallon  | 100 Gallons   |               |
|                        |                       | To Treat 5,000 Square Feet  |   |               |
| <b>Chinch bugs</b>     | Acelepryn             | -   | 8.0-20.0 ounces/acre                                |               |
|                        | Arena 0.25G           | -   | 80-160 pounds/acre                                  |               |
|                        | Oftanol (5G)          | -   | 40 pounds/acre or 0.9 pound/1,000 square feet       |               |
|                        | Scimitar GC or CS     | -   | 7.0 milliliters/1,000 square feet or 10 ounces/acre |               |
|                        | Battle WP             | -   | 6.0 gms/1,000 square feet                           |               |
|                        | *Astro 3.2EC          | -   | 0.4-0.8 ounce/1,000 square feet                     |               |
|                        | Talstar 10WP          | 1.0 tablespoon  | 1.76 ounces-3.5 ounces/100 gallons                  |               |
|                        | Carbaryl (Sevin)      |   | 4.0-6.0 ounces/1,000 square feet                    |               |
|                        | Mavrick Aquaflow      |   | 0.75-1.5 teaspoons/1,000 square feet                |               |
|                        | Meridian 25WG         | -   | 12.7-17.0 ounces/acre                               |               |
| <b>Crane flies</b>     | Acelepryn             | -   | 8.0-16.0 ounces/acre                                |               |
|                        | Arena 50WDG           | -   | 9.6-12.8 ounces/acre                                |               |
|                        | Allectus GS/SC        | -   | 2.3-2.9 pounds/1,000 square feet                    |               |
|                        | Allectus GC/SC        | -   | 1.3-1.6 ounces/1,000 square feet                    |               |
|                        | *Dursban 5DW          | -   | 2.0 pounds/acre                                     |               |
|                        | Merit                 | 0.46-0.6 ounces/1,000 square feet or 14.0-17.0 milliliters/1,000 square feet or 1.25-1.6 pints/acre |   |               |
|                        | Permethrin (Carbaryl) | 10.0 pounds/acre  | 1 packet/5,000 square feet                          |               |
|                        | Talstar PL-G          | -   | 4.6 pounds/1,000 square feet or 200 pounds/acre     |               |
|                        | Zenith 75             | -   | 1.6 ounces/1,000 square feet                        |               |
| <b>Fleas and ticks</b> | Transport             |   | 1 packet/1,000 square feet                          | Follow label. |
|                        | *Yardex               | -   | 3.2-10.0 ounces                                     |               |
|                        | Scimitar GS, S        | 7.0 milliliters/1,000 square feet   | 10.0 ounces/acre                                    |               |
|                        | °Conserve SC          | 1.2 fluid ounces/1,000 square feet  | 52.0 ounces/acre                                    |               |
|                        | Battle WP             | 6.0 gms/1,000 square feet   |   |               |
|                        | Battle GC             | -   | 10.0 ounces/acre                                    |               |
|                        | Carbaryl (80%WP)      | 2.0 tablespoons   | 2.0 pounds  |               |
| <b>Sod webworms</b>    | Acelepryn             | -   | 2.0-4.0 ounces/acre                                 |               |

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|                             |                         | To Treat 5,000 Square Feet   |                            |  |
| <b>Armyworms</b>            | Arena 0.25G             | -  | 80-160 pounds/acre         |  |
| <b>cutworms</b>             | Arena 50WDG             | -  | 9.6-12.8 ounces/acre       |  |
|                             | °Azatin XL              | -  | 5.0-16.0 ounces/acre       |  |
|                             | Battle GC               | -  | 5.0-10.0 ounces/acre       |  |
|                             | °Mach 2                 | 1.5 ounces/1,000 square feet, 2.0 quarts/acre                                      |                            |  |
|                             | Lepinox WDG             | -  | 1.0-2.0 pounds/acre        |  |
|                             | °Conserve SC (Spinosad) | 0.25 ounce/1,000 square feet   | 10.0 ounces/acre           |  |
|                             | Talstar 10WP            | 1.0 tablespoons  | 0.9 ounce-3.5 ounces       |  |
|                             | Onyx                    | 0.07-0.15 ounce/1,000 square feet  |                            |  |
|                             | Dylox (80% SP)          | 2.5-3.75 ounces/1,000 square feet  |                            |  |
|                             | Dylox LS                | 4.0-6.0 ounces/1,000 square feet   |                            |  |
|                             | Dylox LS                | 4.0-6.0 ounces/1,000 square feet (1/4-3/8 pint in 15-50 gallons/1,000 square feet) |                            |  |
|                             | °Condor XL              | 0.75-1.75 pints/acre   |                            |  |
|                             | °Crymax                 | 0.5-1.5 pounds/acre  |                            |  |
|                             | Carbaryl (50% Dust)     | 6.5 ounces/1,000 square feet   |                            |  |
|                             | Mavrick Aquaflow        | 0.75-1.5 teaspoons/1,000 square feet   |                            |  |
| <b>Narcissus bulb flies</b> | Dylox 80 T&O            | -  | 20.0 ounces                |  |
| <b>Pillbugs</b>             | Acelepryn               | -  | 8.0-20.0 ounces/acre       |  |
|                             | Arena 0.25G             | -  | 80-160 pounds/acre         |  |
|                             | Arena 50WDG             | -  | 6.4-12.8 ounces/acre       |  |
|                             | Transport               |  | 1 packet/1,000 square feet | Follow label.  |
| <b>Pillbugs, sowbugs</b>    | Scimitar GS, CS         | 3.4-7.0 milliliters/ 1,000 square feet   |                            |  |
|                             | Battle WP               | 3.0-6.0 gms/ 1,000 square feet   |                            |  |
| <b>Slugs, snails</b>        | Niban G                 | -  | 6.0 ounces/100 square feet | Follow label.  |
|                             | 5% Metaldehyde (bait)   | -  | -                          | Apply to infested areas and clean up hiding places, four times per season; do not use with foliar fertilizers. Toxic to dogs and cats. |
|                             | Mesurol 75WP            | -  | 2.0/5.0 gallons/acre       |  |
|                             | Mesurol (4% bait)       |  |                            |  |
| <b>Chiggers (redbugs)</b>   | Transport               | 1 packet/1,000 square feet   |                            | Follow label.  |
|                             | Battle                  | 7.0 milliliters/1,000 square feet or 10.0 ounces/acre                              |                            |  |

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|                                 |                    | To Treat 5,000 Square Feet  |                            |  |
|                                 | Malathion (57% EC) | 1.0 tablespoon/1,000 square feet  |                            |  |
| <b>Black turfgrass ataenius</b> | Acelepryn          | -   | 8.0-12.0 ounces/acre       |  |
|                                 | Arena 0.25G        | -   | 80-160 pounds/acre         |  |
|                                 | Arena 50WDG        | -   | 6.4-12.8 ounces/acre       |  |
|                                 | Battle GC          | 7.0 milliliters/<br>1,000 square feet                                       | 10.0 ounces/acre           |  |
|                                 | Meridian 25WG      | -   | 12.7-17.0 ounces/acre      |  |
| <b>White grubs</b>              | Meridian 25WG      | -   | 12.7-17.0 ounces/acre      |  |
|                                 | *Flagship          | -   | 8.0 ounces/acre            | Follow label.  |
|                                 | Battle GC          | 7.0 milliliters/1,000 square feet   | 10.0 ounces/acre           |  |
|                                 | Carbaryl SL        | 10.0 ounces in 3,040 gallons water/1,000 square feet                        |                            |  |
|                                 | Carbaryl 80S       | 1 7/8 pounds in 150,200 gallons water/5,000 square feet                     |                            |  |
|                                 | *Merit 75WP        | 3.0-4.0 teaspoons/1,000 square feet   |                            |  |
|                                 | Dylox 6.2G         | 3.0 pounds/1,000 square feet  |                            |  |
|                                 | Oftanol 2          | 1.0 gallon/acre or 3.0 fluid ounces/1,000 square feet                       |                            | Follow directions on watering; water within 24 hours of treatment.                   |
|                                 | Oftanol 1.5G       | 3.0 pounds/1,000 square feet  |                            |  |
|                                 | Mach 2             | 2.2 fluid ounces/1,000 square feet; 3 quarts/acre                           |                            |  |
|                                 | Oftanol 5G         | 40.0 pounds/acre or 0.9 pound/1,000 square feet                             |                            | Water in after treatment.  |
|                                 | <b>Ants</b>        | Transport   | 1 packet/1,000 square feet |  |
| Orthene TTO/75S                 |                    | 2.0 teaspoons/mound   |                            | Apply dry formulation as a dust to tops of mounds; distribute as evenly as possible. |
| Amdro Ant Block                 |                    |   |                            | Follow label.  |
| Oftanol 2                       |                    | 3.0 ounces/1,000 or 1.0 gallon/acre   |                            |  |
| Orthene TTO/75S                 |                    | 1.0 ounce/5 gallons water   |                            | Mound treatment only, 1 gallon/mound.  |
| 97S                             |                    | 0.75 ounce/5 gallons  |                            |  |
| °Distance 0.86 EC               |                    | 3.0-4.0 tablespoons/mound<br>(Apply at 0.35 to 0.5 ounce/1,000 square feet) |                            | Not approved as quarantine treatment.  |
| Carbaryl 50WP                   |                    | -   | 2.0 pounds                 | Water area around mound; may slightly burn grass.                                    |
| Carbaryl SL                     |                    | -   | 1.5 quarts                 |  |
| Carbaryl 80                     |                    | -   | 2.0 pounds                 |  |
| Scimitar GS, CS                 |                    | 3.4-7.0 milliliters/1,000 square feet                                       |                            |  |
| Battle WP                       |                    | 3.0-6.0 gms/1,000 square feet or<br>5.0-10.0 ounces/acre                    |                            |  |

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|                           |   | To Treat 5,000 Square Feet                                  |                                  |   |
|                           | MaxForce FG   | 4-8 ounce /200 – 400 linear feet                            |                                  | Apply in band 1-2 feet wide around structures. Not for edible food areas.   |
| <b>Mole crickets</b>      | Arena 0.25G   | -   | 80-160 pounds/acre               |   |
|                           | Arena 50WDG   | -   | 12.8 ounces/acre                 | Suppression.  |
|                           | Meridian 25WG   | -   | 12.7-17.0 ounces/acre            | Suppression.  |
|                           | *Dursban Pro <sup>1</sup>   | 4.0-6.0 pounds/acre   |                                  | Golf course.  |
|                           | Oftanol 2   | 1.0 gallon/acre or 3.0 fluid ounces/1,000 square feet       |                                  | Follow directions on watering.  |
|                           | Oftanol (5% G)  | 0.9 pound/1,000 square feet; 4.0 pounds/acre                |                                  |   |
|                           | Advion bait   | 1.15-4.6 pounds/1,000 square feet or 50.0-200.0 pounds/acre |                                  | Follow label directions.  |
|                           | Dylox 6.2G  | 3.0 pounds/1,000 square feet                                |                                  |   |
|                           | Carbaryl (20% bait)   | 2-4 ounces/1,000 square feet                                |                                  |   |
|                           | Scimitar GS, CS   | 3.4-7.0 milliliters/1,000 square feet                       |                                  | Spray in late afternoon and add 8.0 ounces liquid soap with lemon; adjust pH to 5.5-6.0 before adding to water; 0.5 inch water after application. |
|                           | Battle WP   | 3.0-6.0 gms/1,000 square feet or 10.0 ounces/acre           |                                  |   |
|                           | Onyx  | 0.07-0.15/1,000 square feet                                 |                                  |   |
|                           |   |   |                                  |   |
|                           | Merit 0.5G  | -   |                                  |   |
|                           | Merit 75WSP   | 1.8 pounds/1,000 square feet or 80 pounds/acre              |                                  |   |
|                           | *Chipco Choice  | 1.6 ounces/1,000 square feet                                |                                  |   |
|                           | Talstar F   | 12.5-25.0 pounds/acre, 4.6-9.4 ounces/1,000 square feet     |                                  |   |
|                           | Talstar G   | 10.0-40.0 ounces/acre, 0.5-1.0 ounce/1,000 square feet      |                                  |   |
|                           | *Top Choice   | 100-200 pounds/acre or 2.3-4.6 ounces/1,000 square feet     |                                  |   |
|                           | *Merit 75WP   | 87.0 pounds/acre or 2.0 pounds/1,000 square feet            |                                  |   |
| Vector MC                 | 4 teaspoons/1,000 square feet or 8.6 ounces/acre  |   | 1 box treats 11,000 square feet. |   |
| Homemade baits            | 50 pounds crumbled laying mash (Purina Layena); 2 quarts 50%-75% Malathion EL; 3 pints crude cottonseed oil; 6 pounds table sugar.<br>OR 100 pounds lay mash; 2 quarts crude molasses; 1-5 quarts water; 2 pounds Malathion; 10-12 pounds/acre. |   |                                  |   |
| <b>Imported fire ants</b> | Transport   | -   | 1 packet/1,000 square feet       | Follow label.   |

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|                                       |                                  | To Treat 5,000 Square Feet                              |                                  |   |
| <b>Imported fire ants (continued)</b> | Meridian 25WG                    | -   | 12.7-17.0 ounces/acre            | 1.0 gallon/6 inch, drench mound; larger use: 2.0-3.0 gallons, drench. Broadcast uniformly with ground equipment. Prolonged exposure to air will turn oil base rancid; close container tightly after use; use within 3 days after opening; apply when ants are active; distribute uniformly 3-4 feet around base of the mound.   |
|                                       | Amdro or Seige, fire ant bait    | 1.0-1.5 pounds/acre or 5 level teaspoons/mound          |                                  |   |
|                                       | Astro (pyrethroid)               | 17.0-34.0 ounces/acre, 0.4-0.8 ounces/1,000 square feet |                                  |   |
|                                       | Firestar                         | 1.5-15.0 pounds/acre                                    |                                  |   |
|                                       | Taurus G (Fipronil)              | 87 pounds/acre or 2 pounds/1,000 square feet            |                                  | The primary purpose of this product is for control of fire ants. When treating for imported fire ants, the following pests will be controlled for a limited time: Fleas and Ticks (1 month); Nuisance ants (3 months); Mole crickets (4 months). Do not apply to field-grown nursery stock; do not apply to bare ground or other impervious surfaces such as concrete, asphalt, compacted soil surfaces, plastic film or wood surfaces; do not apply to areas where plants grown for food will be placed. |
|                                       | Organic Solution Fire Ant Killer | -   | -                                | Follow label.   |
|                                       | PT 370 Ascend (Clinch/Varsity)   | 5.0-7.0 tablespoons/mound or 1.0 pound/acre             |                                  | Turf, lawns, noncrop areas.   |
|                                       | Citrex                           |   |                                  | Organic.  |
|                                       | Citrex                           | 8.0 ounces/gal  |                                  | Mound treatment.  |
|                                       | <sup>oo</sup> Logic I % (Award)  | 1.0-1.5 pounds/acre                                     | 1.0-3.0 tablespoons/mound        | Follow label.   |
|                                       | Talstar G                        | 100.0-200.0 pounds/acre                                 | 2.3-4.6 ounces/1,000 square feet |   |
|                                       | Talstar F                        | 0.5-10.0 ounces/acre                                    | 20-40 ounces/acre                |   |
|                                       | Scimitar GS, CS                  | 3.4-7.0 milliliters/1,000 square feet                   |                                  | Submerge container or ball until completely saturated. Do not remove container, burlap, or plastic.   |

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|                                       |                                     | 1 Gallon  | 100 Gallons                                  |  |
|                                       |                                     | To Treat 5,000 Square Feet  |  |  |
| <b>Imported fire ants (continued)</b> | Battle GS                           | 3.0-6.0 gms/1,000 square feet or 5.0-10.0 ounces/acre                     |  |  |
|                                       | Ceasefire                           | 0.5-5.5 ounces/1,000 square feet or 1.5-15.0 pounds/acre                  |  |  |
|                                       | <sup>o</sup> Conserve SC (Spinosad) | 0.1 ounce   | 1.0 ounce/10 gallons                         | 1.0-2.0 gallons/mound depending on size.   |
|                                       | *Oftanol 2                          | 1.0 gallons/acre or 3.0 fluid ounces/1,000 square feet                    |  | Follow label directions.   |
|                                       | Oftanol 1.5G                        | 3.0 pounds/1,000 square feet  |  | Follow label directions.   |
|                                       | *Fireban 1.5G                       | Rates dependent on media bulk density                                     |  | Follow label directions.   |
|                                       | Carbaryl 50WP                       | -   | 3.0 pounds                                   | Apply 2 gallons of solution over mound.  |
|                                       | Carbaryl SL                         | -   | 1.5 quarts                                   | Thoroughly wet mound and surrounding area to 4-foot diameter.                        |
|                                       | Advion (fire ant bait)              | 0.5 ounces/1,000 square feet  | 1.5 pounds/acre                              | Do not disturb mounds prior to treatment.  |
|                                       | Orthene TTO/75S                     | 2 teaspoons/mound (mound treatment only)                                  |  | Apply dry formulation as a dust to tops of mounds; distribute as evenly as possible. |
|                                       | Carbaryl 80S                        | -   | 2.0 pounds                                   | For best results, apply in cool weather.   |
|                                       | XLR Plus                            | 3.0 tablespoons/2.0 gallons/mound   |  | 65 F - 80 F early morning or late evening hours.                                     |
|                                       | Amdro Pro                           |   |  | For pastures and replant.  |
|                                       | <sup>oo</sup> Distance              | 1.5 pounds/acre   |  |  |
|                                       | <sup>oo</sup> Logic/Award           | 1.5 pounds/acre   |  |  |
|                                       | Grenade ER                          | 0.2-0.4 ounce/gal   |  |  |
|                                       | Premise                             | 1.0-1.5 pounds/acre   |  |  |
|                                       | Esteem                              | 2.0-4.0 Tbsps./mound  | 2.0 pounds/acre                              |  |
|                                       | <sup>oo</sup> Distance 0.86EC       | 3.0-4.0 tablespoons/mound<br>Apply at 0.35-0.5 ounce/1,000 square feet    |  | Not approved as quarantine treatment.  |
|                                       | <sup>oo</sup> Extinguish            | 3.0-5.0 tablespoons/mound to perimeter of 4.0 feet or 1.0-1.5 pounds/acre |  | Follow label.  |
|                                       | <sup>oo</sup> Extinguish Plus       | Same as Extinguish.   |  | These two are a combination of Amdro and Extinguish.                                 |
| Fire Strike                           | -                                   | 1.5 pounds/acre   |  |  |
| Transport                             | 1 packet/1,000 square feet/acre     |   | Follow label.                                |  |
| MaxForce                              |                                     |   | Sprinkle 2 tablespoons of bait around mound. |  |

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