

# Lawns – Commercial

Pest	Insecticide	To Make 1 Gallon To Treat 5,000 Square Feet	To Make 100 Gallons To Treat 5,000 Square Feet	Remarks
<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/11,000 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	

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<b>Sod webworms</b>	Acelepryn	-	2.0-4.0 ounces/acre	
<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)			

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<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		
	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/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		Follow label.
	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		

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	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 (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 5.0-10.0 ounces/acre		
	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		

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	*Chipco Choice	1.6 ounces/11,000 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. 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.
	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

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				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.
	°Logic 1 % (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.
	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		
	°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	*Oftanol 2	Follow label directions.
	Oftanol 1.5G	3.0 pounds/1,000 square feet	Oftanol 1.5G	Follow label directions.
	*Fireban 1.5G	Rates dependent on media bulk density	*Fireban 1.5G	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.

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	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.
	°°Distance	1.5 pounds/acre		
	°°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	
	°°Distance 0.86EC	3.0-4.0 tablespoons/mound Apply at 0.35-0.5 ounce/1,000 square feet		Not approved as quarantine treatment.
	°°Extinguish	3.0-5.0 tablespoons/mound to perimeter of 4.0 feet or 1.0-1.5 pounds/acre		Follow label.
	°°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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