

## CONTROL OF LAWN AND TURF PESTS—1956

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Entomology

PEST	CONTROL*
ANTS	Locate the nest if possible. Soak the nest area with a suspension made up of 1 oz. of 40% chlordane or 1½ oz. of 25% dieldrin or aldrin wettable powder in 1 gal. of water. Two applications may be necessary.
ARMYWORMS	Dust or spray infested areas applying 2 oz. of actual toxaphene or 1 oz. of actual DDT per 1,000 sq. ft. The following poison bran bait may also be used: Wheat bran — 2.5 lbs.; Paris green — 1½ oz.; water — 1 qt. This should treat about 4,000 sq. ft.
BEEES AND WASPS (Burrowing)	As a rule these are pests for only a short time. Since most are beneficial in that they feed on various pests, control measures are not usually advisable. Where necessary, infested areas may be soaked with solutions, emulsions or suspensions containing 2% chlordane or 5% DDT, or DDT or chlordane dusts may be blown into and around the borrows. Treat at night when insects are inactive.
CHINCH BUGS	These pests may be controlled with dieldrin or aldrin applied at ¼ to ½ oz. of toxicant per 1,000 sq. ft.
CUTWORMS	The same treatments used for armyworms also control cutworms. If baits are used, the temperature should be 70° F. or higher for best results.
EARTHWORMS	Control can be obtained by soaking infested areas with a solution of 3 oz. of mercury bichloride (corrosive sublimate) in 50 gals. of water. Apply at the rate of 50 gals. per 1,000 sq. ft.
GRASSHOPPERS	Dust or spray infested areas using ¼ oz. of actual aldrin or dieldrin or 1 oz. of actual toxaphene per 1,000 sq. ft.
GRUBS	Apply 2 to 4 oz. of chlordane or 1 oz. of heptachlor, aldrin or dieldrin or ½ oz. of parathion per 1,000 sq. ft. Wash the insecticide well into the soil. Remember that parathion is very poisonous and should be used only by those who will take the necessary precautions.
JAPANESE BEETLE GRUBS	Treat infested areas or areas likely to be infested with chlordane, aldrin or heptachlor at twice the rate recommended for grubs above or with 5-15 pounds of lead arsenate or ½ to 1 lb. of DDT per 1,000 sq. ft. The above materials may control soil pests for more than one year. Be sure insecticides are washed into the soil.
LEAFHOPPERS	DDT or methoxychlor sprays or dusts may be used.
WEBWORMS	Apply chlordane at 1 to 1½ oz. or DDT at 5 oz. of actual toxicant per 1,000 sq. ft. Toxaphene, lindane, dieldrin, and aldrin may also be used. Make sure both plants and soil are thoroughly treated.
WHITE-FRINGED BEETLE	In established lawns ½ lb. of DDT or 1½ oz. of dieldrin per 1,000 sq. ft. gives good control. If materials can be worked into the soil before seeding, 4 oz. of DDT or 2 oz. of chlordane or 1½ oz. of aldrin or ½ oz. of dieldrin per 1,000 sq. ft. can be used. These treatments give protection for more than 1 year.
WIREWORMS	Chlordane, heptachlor, dieldrin and aldrin as for grubs will also control these pests.

\* Keep children off lawns as long as dust is visible or spray is still wet.

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