

PM 91

65458-1

9/10/98

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PLATO INDUSTRIES, INC.

BOLL WEEVIL ATTRACT AND CONTROL TUBES (BWACT)

containing Grandlure and Malathion

Pheromone Dispenser -

ACTIVE INGREDIENT:

Grandlure: a. (R-Z)-1-methyl-2-(1-methylethenyl) cyclobutane ethanol	0.168%
b. (Z)-2-(3,3-dimethylcyclohexylidene) ethanol	0.224%
c. (Z)-(3,3-dimethylcyclohexylidene) acetaldehyde	0.084%
d. (E)-(3,3-dimethylcyclohexylidene) acetaldehyde	0.084%

OTHER INGREDIENTS:

99.440%

TOTAL:

100.000%

Control Tube -

ACTIVE INGREDIENT:

Malathion 95% 37.27%

OTHER INGREDIENTS:

62.73%

TOTAL:

100.00%

ACCEPTED

SEP 10 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 65458-1

CONTENTS:

- Sixty (60) 3" x 3" polyvinylchloride pheromone dispensers / each containing 60 mg of Grandlure
- Sixty (60) 36" BWACT Tubes (coated w/insecticide and pigment) each containing 31.5 gm of Malathion 95%
- Sixty (60) wooden support dowels

NET WEIGHT: 42 lbs. (19 kilograms)

KEEP OUT OF REACH CHILDREN CAUTION

PRECAUTIONARY STATEMENTS - HAZARD TO HUMANS AND DOMESTIC ANIMALS: Harmful if swallowed. Avoid contact with skin or clothing. Do not contaminate feed or food by storage. Keep out of reach of children. Do not allow children into fields where BWACT TUBES are being used. Wash hands with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

NOTE TO PHYSICIAN: This product contains malathion which may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not place the product on ditch, pond and stream banks or other places where they can fall or be flood washed into water. Do not graze geese or other livestock in cotton fields where this product is used because consumption of malathion coated tubes can cause poisoning.

STORAGE AND DISPOSAL

STORAGE: Store the tubes and pheromone dispensers in sealed containers in a cool, dry place. For optimum storage conditions, the pheromone dispensers should be refrigerated upon arrival. Do not contaminate water, feed or food by storage. Store in original containers and out of reach of children.

PESTICIDE DEVICE / CONTAINER DISPOSAL: Wastes resulting from the use of the product may be disposed of on site or at an approved waste disposal facility.

BOLL WEEVIL ATTRACT AND CONTROL TUBES

BWACTs are designed as a species-specific "attract and control" device for the control of overwintered cotton boll weevils (*Anthonomus grandis*) prior to peak cotton squaring, during cotton fruiting for the late emergence of overwintered weevils and for the control of migrating and diapausing cotton boll weevils at and after crop termination. The device consists of a proprietary pheromone dispenser and a biodegradable fiber tube, called a **CONTROL TUBE**. The dispenser, which is fitted / inserted inside the top of the **CONTROL TUBE**, attracts the pest with Grandlure, the boll weevil pheromone. The biodegradable fiber tube, which is coated with a color attractant / feeding enticer / insecticide mixture in a slow release delivery system, controls the pest by inducing it to stay in contact with the surface for a time sufficient for assimilation of a lethal and/or sub-lethal dose of toxicant.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

BWACTs are to be placed around the perimeters of cotton fields, outside the crop at an approximate 100 foot spacing. One box contains enough **BWACTs** with pheromone dispensers for of an average of 60 acres at the 100 - 150 - 200 feet spacing. The first two (2) installations in the Spring are effective for the control of migrating weevils emerging from over-wintering / hibernation sites and the last two (2) installations in the Fall are effective for the control of weevils migrating or going into diapause / overwintering. **BWACTs** should be placed in the field perimeter outside the cotton on "turn row" borders, ditch banks or fence lines.

Do not place **BWACT** in areas that will obstruct farm equipment; also, not in areas where air flow is obstructed, not under trees, not in shaded areas, not behind hedgerows, not in mud holes / low spots, not in water runoff areas or not in the cotton rows. Keep tall grass and weeds clear of the **BWACT**. Do not use in small fields surrounded by untreated fields or apply with incorrect timing when heavy boll weevil populations are present.

BWACT provides maximum control and results when used on entire fields in isolated and/or area wide IPM programs.

INSTALLATION RATES: 53 **BWACTs** per mile at 100 ft. spacing; 40 **BWACTs** per mile at 150 ft. spacing and 27 **BWACTs** per mile at 200 ft. spacing.

ACRES	RECOMMENDED NUMBER OF BWACT on a Square Field at a Spacing of:		
	100 ft.	150 ft.	200 ft.
10	24	18	12
20	36	27	18
40	51	38	26
60	63	47	31
80	74	56	37
100	82	62	41
160	106	80	53
320	149	113	75
480	183	138	92
640	211	159	100

At 0 - 10 days before planting and seedling emergence (1st installation):

The first installation should be on each 200 ft. (centers) along the field borders, especially adjacent to overwintering sites in previous season planted fields. The 2nd installation should be 30 days after planting, at the 100 ft. position, between the 1st installation positions. Note: in "no freeze" coastal and tropical cotton zones, government and commercial field tests have confirmed the benefit of making the first installation 15 to 30 days before planting.

Place one (1) wooden support dowel at the approximate spacing as listed above, around the perimeter of the field by driving the dowel in the soil, leaving at least 8 inches protruding. Wooden support dowels serve as an anchor for the CONTROL TUBES.

Place one (1) 36" CONTROL TUBE firmly on the wooden support dowel and fit one (1) pheromone dispenser completely inside the top by rolling the dispenser with the paper/foil side to the outside and inserting the "rolled" dispenser inside the top of the CONTROL TUBE.

At pinhead squaring (2nd installation – 30 days after planting or the first installation):

Install CONTROL TUBES on the 100 ft. centers between the 1st installation of 200 ft. centers. Place the one (1) 36" CONTROL TUBE firmly on a wooden support dowel and fit one (1) "fresh" pheromone dispenser completely inside the top by rolling the dispenser with the paper/foil side to the outside and completely inserting the "rolled" dispenser inside the top of the CONTROL TUBE. Leave BWACT in the field until the end of season installation or remove and dispose of after sixty (60) days.

At beginning of boll weevil dispersal, at cotton "cut out" or squaring termination, or NAWF = 5 (3rd installation – 50 to 60 days after the second installation):

Replace CONTROL TUBES with "fresh" CONTROL TUBES at 1 per 200 ft. Place one (1) 36" CONTROL TUBE firmly on a wooden support dowel and fit one (1) "fresh" pheromone dispenser completely inside the top by rolling the dispenser with the paper/foil side to the outside and completely inserting the "rolled" dispenser completely inside the top of the CONTROL TUBE.

Fifty (50) days after the above third installation, after harvest and/or plow-down of stalks, for migrating and diapause weevil control (4th installation):

Replace CONTROL TUBES with "fresh" CONTROL TUBES. Place one (1) 36" CONTROL TUBE firmly on a wooden support dowel and fit one (1) "fresh" pheromone dispenser completely inside the top by rolling the dispenser with the paper/foil side to the outside and completely inserting the "rolled" dispenser completely inside the top of the CONTROL TUBE. Remove and dispose of BWACT after sixty (60) days.

DISCLAIMER: The labeled directions for the use of this product reflect the opinion of experts, based on field use and tests. The directions are believed to be reliable and should be followed carefully; however, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to the label directions, all of which are beyond the control of PLATO INDUSTRIES, INC. All such risks shall be assumed by the user.

PLATO INDUSTRIES, INC. warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use, subject to the risks referred to above. Any damages arising from a breach of this warranty shall be limited to product replacement and shall not include consequential commercial damages such as loss of profits or values or any other special direct or indirect damages.

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