

56336-34

11/23/1999

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division
(7511C) 401 M St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
56336-34

Date of Issuance:
NOV 23 1999

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Unconditional

Name of Pesticide Product:
Checkmate CM Puffer
Dispenser

Name and Address of Registrant (include ZIP Code):
Consep, Inc.
A Subsidiary of Verdant Brands, Inc.
213 S.W. Columbia Street
Bend, OR 97702-1013

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5). A stamped copy of the label is enclosed for your records. Submit five (5) copies of your final printed labeling.

Paul L. Anderson

11-23-99

Signature of Approving Official:

CONCURRENCES

Date:

SYMBOL	7511C	7511C					
SURNAME	<i>Anderson</i>	<i>Paul</i>					
DATE	11/18/99	11/19/99					

FRONT PANEL

CHECKMATE CM PUFFER DISPENSER
A BIOCHEMICAL FOR MATING DISRUPTION
OF
CODLING MOTH (*Cydia pomonella*)
AND HICKORY SHUCKWORM MOTH (*Cydia caryana*)

ACTIVE INGREDIENT:	
(E,E)-8,10-Dodecadien-1-ol	17.42%
OTHER INGREDIENTS:	82.58%
TOTAL	100.00%

Keep Out Of Reach Of Children

CAUTION

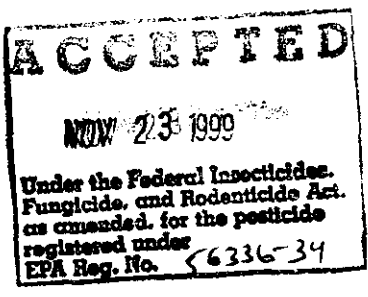
<p>PRECAUTIONARY STATEMENTS</p> <p>HAZARD TO HUMANS AND DOMESTIC ANIMALS</p> <p>Causes moderate eye and skin irritation. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.</p> <p style="text-align: center;">FIRST AID</p> <p>IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists. IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.</p> <p style="text-align: center;">ENVIRONMENTAL HAZARD</p> <p>Keep out of lakes, ponds or streams. Do not contaminate water by disposal of wastes.</p>
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MANUFACTURED BY:

Consep, Inc.
213 SW Columbia Street
Bend, Oregon 97702-1013
1-800-367-8727

CONSEP, INC.

EPA Reg. No. 56336-34
EPA Est. No. 56336-OR-1
Net Contents: xx fl. oz (xxx ml)
Contains: 34.50 g a.i./aerosol dispenser



BACK PANEL

CheckMate CM Puffer

DIRECTIONS FOR USE

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

CheckMate CM Puffer Dispenser is a behavior modifying biochemical pheromone which functions by mating disruption, to be used in pest management programs for control of codling moth (*Cydia pomonella*) and hickory shuckworm moth (*Cydia caryana*).

RECOMMENDED APPLICATION: For use on apples, pears, quinces and other pome fruits; peaches, nectarines, plums, prunes and other stone fruits; walnuts, pecans and other tree nuts. The CheckMate CM Puffer Dispensers plus dispenser mechanisms are termed dispenser units. The dispenser units should be placed at a height approximately one meter below the canopy top. The dispenser units may be arranged in several possible configuration schemes throughout the orchard. If a perimeter placement scheme is utilized, the dispenser units should be placed at intervals of 140 feet around the perimeter of the orchard. Place the dispenser units on the inner side of the tree facing into the orchard. In most large rectangular or square blocks this placement should result in a dispenser unit density of approximately one per acre. Dispenser density should never be less than one dispenser unit per acre. If perimeter placement pattern results in less than one unit per acre, additional dispensers should be placed uniformly throughout the interior of the orchard until a density of at least one dispenser unit per acre is achieved. Other dispenser unit placement schemes may include placement of the dispenser unit in one acre grids throughout the orchard or placing the dispenser units at regular intervals across the orchard beginning at the upwind edge. Regardless of the placement scheme utilized the dispenser units should always be at a density of at least one dispenser unit per acre of orchard. Supplemental applications of effective codling moth/hickory shuckworm moth insecticides must be made around the perimeter of the orchard throughout the season in order to minimize possible edge effects. In moderate to high insect pressure situations, supplemental insecticide applications during the season may be necessary to provide adequate protection to developing fruit. These supplemental insecticide applications should be based on trap monitoring, field scouting, and appropriate degree-day models for the local growing area and must be timed to control emerging larvae.

For best results, apply at the time or shortly before codling moths or hickory shuckworm moths begin to emerge in the Spring (biofix), or when the moths are first detected in pheromone traps such as Biolure. This product only effects adult male moths and will have no effect on female moths, eggs or larvae. If application occurs following biofix or during the growing season, the orchard must be treated with insecticide treatments that will effectively control hatching larvae until egg laying by previously mated female moths has ceased to occur. Monitor for insect infestation with pheromone traps and visual inspection of trees and fruit. Do not apply more than 150 grams of pheromone per acre per growing season, therefore, do not apply more than four puffer dispensers per acre per growing season (two dispenser units per acre with one puffer dispenser change per unit).

METHOD OF APPLICATION: To hang the dispenser units in the trees they can be mounted on a piece of 1" x 2" wood approximately 12" to 14" long. There are two mounting holes for screws located on the back of each dispenser unit. A hole can be drilled in the upper end of the wood and a "S" hook made from heavy gauge wire or metal rod can be used to hang the unit in the tree. Alternatively, the dispenser unit can be attached to a pole that can be placed in the orchard.

NOTE: Do not place the CheckMate CM Puffer Dispenser where the container or release of ingredients can contact foliage or fruit. This can be accomplished by placing the dispenser unit on a limb away from the center of the tree and not situated directly above the fruit or foliage. An alternative method is to place the dispenser on a pole located in the row between the trees so that the spray will not contact the fruit or foliage.

OPERATION OF DISPENSER UNIT: See accompanying directions for dispenser unit operation and use.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool place until used. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed on site or at an approved waste disposal facility. Do not contaminate water when disposing of equipment wash water. **CONTAINER DISPOSAL:** This container may be recycled in aerosol recycling centers. At present, there are only a few such center in the country. Before offering for recycling, empty the can by using the product according to the label (**DO NOT PUNCTURE!**). If the recycling is not available, wrap the container in several layers of newspaper and discard in the trash.

WARRANTY Consep, Inc. warrants that this material conforms to the chemical description on the label. Consep, Inc. neither makes nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material. Consep Inc.'s maximum liability for breach of this warranty shall not exceed the purchase price of this product. Buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage, and use of this material. __

CHECKMATE CM PUFFER DISPENSER UNIT OPERATION DIRECTIONS

The dispenser unit requires two D cell batteries to operate. New, good quality alkaline batteries will power the unit for the entire season without replacement. Please note the diagram in the battery case indicating the proper positioning and polarity of the batteries. When the batteries are inserted, both batteries should be placed with the positive (+) end facing the right side of the cabinet. The dispenser unit contains an On/Off switch. The On/Off switch is located on the inside of the dispenser unit cabinet. For proper operation, the On/Off switch must be set to the On position. When the batteries are properly installed and the On/Off switch is in the On position the amber power light on the front of the cabinet will blink. Depress and release the aerosol can valve four or five times and place it in the dispenser cabinet with the nozzle pointed out after the unit is turned on. Keep the unit pointed away from the face during the start-up procedure in the event that the unit discharges during the procedure. Each can contains approximately 4,600 puffs or 90 days of pheromone. For season-long mating disruption, replace the can before 90 days has expired. When the cans are replaced, keep the unit pointed away from the face in the event that the unit discharges during the replacement procedure.