

PM 91

71990-1

8/13/99

1065



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

EPA Reg.
Number:

71990-1

Date of Issuance:

AUG 13 1999

NOTICE OF PESTICIDE:

 x Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Formic Acid Gel

Name and Address of Registrant (include ZIP Code):

Mr. Robert A. Stevens
Betterbee, Inc.
8 Meader Road
Greenwich, NY 12834

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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 product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Change the label by revising the EPA Registration Number to read "EPA Reg. No. 71990-1".
2. Submit five (5) copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(b). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Kathleen D. Knox

Date:

August 13, 1999

2085
ACCEPTED
AUG 13 1999
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 71990-1

FORMIC ACID GEL
FOR USE IN HONEYBEE HIVES
FOR CONTROL OF TRACHEAL MITES
AND SUPPRESSION OF VARROA MITES

Active Ingredient:	BY WEIGHT
Formic acid	65.4%
INERT INGREDIENTS	34.6%
TOTAL	100.0%

Before using this product read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within 30 days of purchase to the place of purchase.

KEEP OUT OF REACH OF CHILDREN
DANGER

STATEMENT OF PRACTICAL TREATMENT

- If swallowed: Call a physician or Poison Control Center immediately. If medical advice cannot be obtained, drink promptly a large quantity of milk, egg white, or gelatin mixture, or if these are not available, a large amount of water and take person and product container to the nearest emergency treatment facility. Avoid alcohol. DO NOT INDUCE VOMITING.
- If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.
- If on skin: Remove contaminated clothing immediately and wash affected areas with soap and large amounts of water. Get medical attention.
- If in eyes: Immediately hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

NET WEIGHT: 200 g

EPA Registration No.: 71990-R
EPA Establishment No.:

BETTERBEE INC.
8 Meader Road
Greenwich, NY 12834

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

GENERAL USE INFORMATION

Formic acid gel is a slow release formulation of formic acid in a plastic pouch for control of tracheal mite and suppression of varroa mite in colonies of honeybees.

Do not use when honey supers are in place to prevent contamination of marketable honey or wax by unwanted residues. Use when there is no surplus honey flow and daytime temperatures are expected to be between 45 and 95 degrees F. Leave hive entrances fully open when treating.

Treatment of Two Story Colonies (bees covering 8 to 20 full-size Langstroth frames or equivalent)

Do not remove the gel from the packet. Immediately prior to placing the formic acid gel pack in the hive, cut two slits in the upper surface diagonally from corner to corner (forming an "x"), using a sharp knife such as a box knife or utility knife. Try not to perforate the bottom surface, but small cuts will not cause any problems. After the slits are cut, bend or twist the packet slightly to expose the gel, then place one packet on the top bars of the frames over the brood chamber. Leave the formic acid gel pack in the hive for three weeks (21 days). Remove formic acid gel pack after three weeks.

The formic acid gel pack must be removed from the hive at least 4 weeks before the beginning of surplus honey flow to prevent contamination of marketable honey.

Notes:

- o Use of the Formic Acid Gel may temporarily reduce brood production in the spring. If colonies are treated during hot weather, the bees may temporarily cluster outside the hive.
- o Use of the Formic Acid Gel is most effective when there is no sealed brood.
- o Used packets cannot be regenerated by addition of new formic acid to the dried residue.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive to eyes and skin by direct contact or by exposure to vapors, causes potentially irreversible eye damage, causes skin burns. Do not get in eyes, on skin, or clothing. Wear goggles or faceshield or safety glasses, and chemical resistant gloves. Harmful or fatal if swallowed. Potential skin sensitizer. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Avoid breathing vapors. Use only with adequate ventilation.

USE DIRECTIONS - PERSONAL PROTECTION EQUIPMENT (PPE)

APPLICATORS AND OTHER HANDLERS MUST WEAR:

- o Safety glasses or goggles or faceshield
- o Chemical-resistant gloves, such as barrier laminate, butyl rubber, neoprene rubber, polyvinyl chloride (PVC), Viton or nitrile rubber.
- o Long sleeved shirt and long pants

Follow manufacturers instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

- o Always stand upwind of the use location. If a strong vinegary odor is encountered, area should be evacuated until vapors have dissipated. In enclosed areas where vapors are present (e.g. a storage shed) a respirator with an organic vapor removing cartridge and a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) is considered appropriate to reduce vapor exposure, but this respirator is not approved for vapor concentrations above the permissible 8 hour exposure limit of 5 parts per million. Although data indicate the permissible exposure limit will normally not be exceeded, for maximum protection in enclosed areas use an air supplied respirator (NIOSH Approval No. TC-19C) or a self contained breathing apparatus (NIOSH Approval No. TC-13F).
- o Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- o Remove clothes immediately if pesticide penetrates inside the clothing. Then wash the exposed skin thoroughly and put on clean clothing. Wash clothing before reuse.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

STORAGE: Store in original containers in cool, dry, isolated, well-ventilated area away from heat, sparks, and open flame. Do not eat, drink, or smoke in areas of use or storage. Vapors are heavier than air. Do not store in basements or other areas where vapors could accumulate. Formic acid is not affected by freezing, so it may be stored in unheated areas.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide is a violation of Federal Law. If pesticide cannot be used according to label instructions and must be disposed of, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Do not reuse gel pack. If all the formic acid has evaporated from the packet so that only a dry powder remains, the used gel pack can be disposed of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND WARRANTY

"BETTERBEE INC. makes no warranty or guarantee of any kind, expressed or implied, concerning effects of use of this product, other than those specified on this label. Buyer or user accepts all responsibility for results due to misuse or improper handling of this product."