

<p>U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION</p> <p><i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i></p>	<p>EPA REGISTRATION 49054-9</p>	<p>DATE OF ISSUANCE APR 29 1986</p>
		<p>TERM OF ISSUANCE</p>
<p>NAME AND ADDRESS OF REGISTRANT (include ZIP code)</p> <p><input type="checkbox"/> Microbial Resources 10-12 Deacon Way Reading, RG3 6AZ United Kingdom <input type="checkbox"/> c/o Dr. John Todhunter</p>		<p>NAME OF PESTICIDE PRODUCT</p> <p>FORAY 48B/</p>
<p>NOTE: Changes in labeling formula 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 U.S. EPA registration number.</p>		
<p>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.</p>		
<p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p>		
<p>Registration is in no way to be construed as an indorsement or approval of this product by this 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.</p>		
<p>This registration is being issued in accordance with Section 3(c)(7)(A) of the FIFRA subject to the following conditions:</p>		
<p>1) It is understood that you will submit and/or cite all data required for registration or re-registration of your product under Section 3(c)(5) of the FIFRA when the Agency requires all registrants of similar products to submit such data.</p>		
<p>2) The registration number which has been assigned to the product must appear on the label as EPA Registration No. 49054-9.</p>		
<p>3) You will submit five copies of your finished printed labels as described in the A-79 enclosure. These labels must be submitted to the Agency before you release the product for shipment to comply with EPA Notice 82-2 of June 13, 1982. Refer to Section 162.10 of Title 40 of the Code of Federal Regulations for general labeling requirements, applicable to all pesticide labels. Your finished printed label must also comply with those requirements.</p>		
<p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
<p>SIGNATURE OF APPROVING OFFICIAL</p>		<p>DATE</p>

BEST AVAILABLE COPY

A stamped copy of the draft label is enclosed for your records. Your release of the product for shipment constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with Section 6(e) of the FIFRA.



A.E. Castillo
Acting Product Manager 17
Insecticide Rodenticide Branch
Registration Division TS-767

ACCEPTED
with COMMENTS
in EPA Letter 10022

Draft label (USA)01.08.85.

APR 29 1986

MICROBIAL RESOURCES INC.

Under the authority of the Administrator
of the Environmental Protection Agency
Registration No. 49054-9

FORAY* 48B
Low Volume Aqueous Concentrate
For Forests, Trees, and Shrubs

Active Ingredient

<u>Bacillus thuringiensis</u> Berliner var kurstaki to 12,600 International Units per milligram of formulation.....	15%
Inert ingredients.....	85%
TOTAL	100%

or

48 billion (4.8 x 10¹⁰) International units per U S gallon

CAUTION KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

Avoid inhalation or contact with Eyes, Skin, Open wounds, or
Clothing.
Wash thoroughly with soap and water after handling.

FIRST AID

If on Skin	Wash with Soap and Water.
If in Eyes	Flush eyes with water until the irritation has stopped.
If inhaled	Remove victim to fresh air.
If swallowed	Drink 1 - 2 glasses of water.

Manufactured by
MICROBIAL RESOURCES Ltd, Theale, Berkshire.UK.

EPA Establishment no:49054-EN-01
EPA Registration no:
NET CONTENTS
US Gallons

Application

APPLY as soon the larvae are seen, using suitable ULV equipment, if possible.

Good cover is essential.

Aerial application

- For Constant droplet applicators or MICRONAIRE equipment :use undiluted, or add an anti-evaporant eg 10% ACTIPRON,
- For boom & nozzle equipment: dilute with water plus anti evaporant eg 10% ACTIPRON to the required volume.

Ground Application

- High Pressure Sprayer : use the recommended pint rate diluted with 100 gallons of water.
- Mist Blowers : use the recommended pint rate diluted in up to 10 gallons of water.

• STORAGE AND DISPOSAL

Storage

Store in a cool dry place in original sealed container.
Shelf life is impaired by storage in temperatures over 30 C. Do not freeze.

Disposal

Avoid direct application to ponds, lakes, or streams.
Do not contaminate water by cleansing equipment or disposal of waste.

WARRANTY NOTICE

All goods supplied by Microbial Resources Ltd are of high grade and are believed to be suitable for the recommended purposes, but as control cannot be exercised over their storage or use, no responsibility will be accepted for any damage or injury whatsoever arising from their storage, handling or application or use.

Manufacturing date;
batch no :

Distributed by:

Made in England

FORAY 48B cont.

DIRECTION FOR USE

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

FORAY* contains the spores and endotoxin crystals of Bacillus thuringiensis kurstaki. It is a stomach poison and has highly specific activity against lepidopterous larvae. After ingestion, larvae stop feeding immediately and die 2 - 5 days later. Maximum efficacy is exhibited against first and second instar larvae.

Dose

For effective control of defoliating caterpillars, such as Gypsy Moth, Spruce Budworm, and Douglas Fir Tussock moth, a dose equivalent to 12 billion (1.2×10^{10}) IU's per acre or 30 billion (3.0×10^{10}) IU's per hectare are required eg;

<u>Pest</u>	<u>Rate</u>
Gypsy Moth, Spruce Budworm, Tussock Moths, Pine Moth, Satin Moths, Brown Tailed Moth	2-3 pints/acre
Tent Caterpillar, Webworm, Jack Pine & Blackheaded Budworm, Elm Spanworm, Saddled Prominent & Saddleback Caterpillars	1-2 pints/acre
Processionary Moth, Tortrix, Gankerworm, California Oakworm Leafrollers, Bagworms, Redhumped Caterpillar	0.5-1 pint/acre

Use the higher recommended dose rate on advanced larval stages, eg third and fourth instars.

Dilution

Dilute with water: Shake or Stir before use.

Half fill the spray tank with water. Pour the correct quantity of FORAY* over the surface. Mix thoroughly.
Fill the tank. Keep agitated.

Use immediately. DO NOT STORE OVER NIGHT.