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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

MAY 1 1991

Jerry Ott  
Happy Jack, Inc.  
P.O. Box 475  
Snow Hill, NC 28580

Dear Mr. Ott:

**Subject:** Resubmission  
Happy Jack X-PEL Flying Insect Repellent  
EPA Reg. No. 2781-10  
Submission: September 3, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

The submitted Confidential Statement of Formula (Basic Formula) has been placed in your file as a matter of record.

Sincerely,

*Rfm*  
Richard P. Mountfort  
Product Manager 10  
Insecticide & Rodenticide Branch  
Registration Division (H7505C)

**BEST AVAILABLE COPY**

Happy Jack X-PEL has been developed for powerful strength on dogs and horses. May be applied with a sprayer or as a wipe on.

**DIRECTIONS:** Spray lightly, giving special attention to those areas where insects cause the greatest problem. Do not soak. Do not spray around eyes. To use around eyes, moisten a cloth and use as a wipe on.

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

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed. Avoid contamination of food and foodstuffs. Do not use on horses that are to be used for human consumption.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water or on disposal of equipment washwaters.

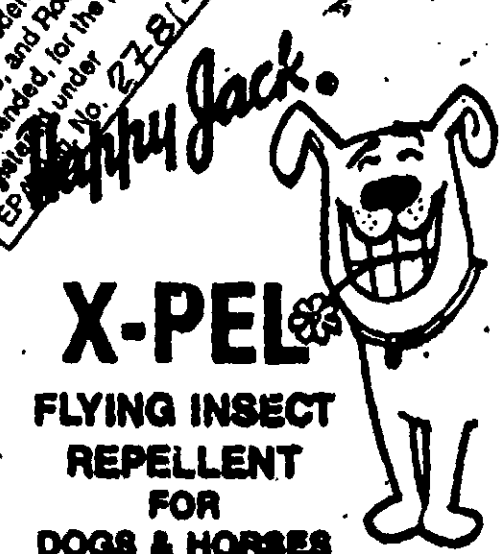
**DISPOSAL**

**DO NOT REUSE EMPTY CONTAINER  
WRAP CONTAINER AND PUT IN TRASH COLLECTION**



E.P.A. REG. NO. 2701-10  
E.P.A. EST. NO. 2701-M.C. 4  
Manufactured by  
**HAPPY JACK, INC.**  
Green Hill, N.C. 28608

**ACCEPTED**  
MAY 1 1991  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under  
EPA Reg. No. 27-81-10



**X-PEL**  
**FLYING INSECT  
REPELLENT  
FOR  
DOGS & HORSES**

Repels and kills Mosquitoes, Gnats, House Flies, Stable Flies, Horn Flies, Face Flies, Horse Flies, & Deer Flies. Kills Fleas, Lice and Ticks.

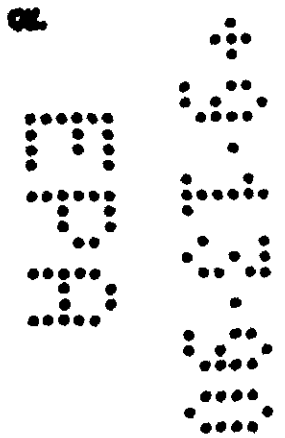
**ACTIVE INGREDIENTS:** Pyrethrin 0.20%, Piperonyl Butoxide Tech. \* 0.72%, N-octyldecylphthalene diester-borinate 1.20%, Butylacetylcholine Glycol 5.00%. **INERT INGREDIENTS:** 84.78%  
\*Equivalent to 0.50% (Butylacetylcholine (B-Propylphosphoryl) Ether and 0.14% of related compounds.

Keep Out of Reach of Children

**CAUTION:**

(See back panel for additional precautions)

**NET CONTENTS: 8 FL. OZ.**



**BEST AVAILABLE COPY**