

PM 11 2:81-11 (3)

JUN 15 1990

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

BEST AVAILABLE COPY

Dear Jerry Ott

**Subject: Happy Jack X-PEL Flying Insect Repellent
EPA Reg. No. 2781-10
Application dated April 2, 1990**

The proposed amendment to the registration of the product cited above under the Federal Insecticide Fungicide and Rodenticide Act removing the active ingredient, MGK R-11, and increasing the amount of other active ingredients is acceptable subject to the comments listed below. A stamped copy of the label is enclosed.

- 1) Submit the product specific product chemistry and the data matrix for this new formulation.
- 2.) Change the statement "Do not contaminate water by cleaning of equipment or disposing of wastes." to "Do not contaminate water when disposing of equipment washwaters."
- 3.) The headings "Active Ingredients" and "Inert Ingredients" must be aligned to the same margin and given equal prominence.
- 4.) The statement "(equivalent to 0.58% (Butylcarbityl) (6-Propylpiperonyl) Ether and 0.14% of related compounds)" must appear outside of the ingredient statement as a footnote.
- 5.) The statement "Keep Out Of Reach Of Children" must appear directly above the signal word "Caution" on the front panel.

- 6.) Submit a 1 year storage stability study. The formulated product must be analyzed for its active ingredients at time zero and during a year of storage. The storage must be under warehouse conditions of temperature and humidity using containers similar to those that will be used in the trade. This data must be submitted within 15 months of the date of this letter.

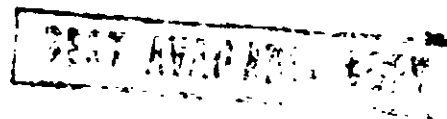
The labeling changes listed above must be made at the next printing.

This change must be a change in the basic formulation and is being accepted as such. It can not be an alternate formulation. Submit a revised Confidential statement of Formula (CSP) with the proper block checked.

Sincerely yours,



Phil Hutton
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (H7505C)



ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 15 1990

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

2781-10

Happy Jack X-PEL has been developed for use full 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 feed 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 by cleaning of equipment or disposal of wastes.

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

E.P.A. REG. NO 2781-10
E.P.A. EST. NO. 2781-N.C.-1

Manufactured by
HAPPY JACK, INC.
Snow Hill, N.C. 28580

Happy Jack.



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: Pyrethrins 0.36%, Piperonyl Butoxide Tech 0.72% (equivalent to 0.58% (Butylcarbityl) (6-Propylpiperonyl) Ether and 0.14% of related compounds) N-octylbicycloheptene dicarboximide 1.20%, Butoxypropylene Glycol 5.00%

INERT INGREDIENTS: 92.72%

CAUTION: Keep Out of Reach of Children
(See back panel for additional precautions)

NET CONTENTS: 8 FL. Oz. (235ml.)

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