

DEC 1 1982

Mr. J. E. Ott
Happy Jack, Inc.
P.O. Box 475
Snow Hill, NC 28580

Dear Mr. Ott:

Subject: Duracide
EPA Registration No. 2781-19
Application Dated October 14, 1982

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.

Sincerely yours,

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

RD:ELLENBERGER:DCR-28967:WANG-1236C:pjb:Raven:479-2013:11/19/82

ACCEPTED
with COMMENTS
In EPA Letter Dated:

DEC 1 1982

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

DIRECTIONS FOR USE

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

TO KILL FLEAS, TICKS, & MANGE MITES ON DOGS: Mix two (2) fluid ounces (4 tablespoons) of Happy Jack ENDURACIDE to a gallon of water (8 fl. oz. to 4 gal.). Measure accurately and stir well. First wet animal and then dip animal in solution or pour, sponge, or spray on animal until the hair coat is thoroughly wet to the skin. Do not rinse. Allow solution to dry on the animal. Initial kill of fleas, mites, and non-engorged ticks is rapid, but 24 to 48 hours may be required to complete kill of engorged ticks. Do not repeat more often than once every 4 weeks. Remove and destroy infested bedding. Do not use this product on animals simultaneously or within 30 days before or after treatment with or exposure to cholinesterase inhibiting drugs, pesticides, or chemicals.

STORAGE AND DISPOSAL

Do not reuse empty container. Wrap container and put in trash collection.

E.P.A. Reg. No. 2781-19
E.P.A. Est. No. 2781-NC-1

*Sarcophag
**U.S. Patent 3244586



Manufactured by
HAPPY JACK, INC.
SNOW HILL, N.C. 28580



Happy Jack

ENDURACIDE®
DIP FOR DOGS

Kills Fleas, Ticks, & Mange Mites*

ACTIVE INGREDIENT Chlorpyrifos** (0,0-Diethyl-O (3,5,6-trichloro-2-pyridyl) phosphorothioate) 4.85%
INERT INGREDIENTS 95.15%

CAUTION:
KEEP OUT OF REACH OF CHILDREN
DO NOT USE FULL STRENGTH
MIX AS DIRECTED

See back panel for additional cautions

8 FL. OZ. (234 ml.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Do not use this product undiluted. Must be mixed as directed before use. Do not treat nursing animals or animals under 4 months of age. Do not treat sick or debilitated animals. **CAUTION:** Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wear gloves when using this product to bathe dogs. Excessive or prolonged contact of the dip solution with the skin should be avoided. Contaminated utensils should not be used for food purposes after use with insecticides. Do not use on cats.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour or store near heat or open flame.

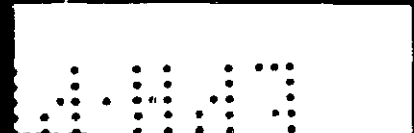
STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Drink milk or water. Do not induce vomiting because of aspiration hazard.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash off with soap and water.

IF INHALED: Call a physician. Atropine sulfate by injection is antidotal only if signs of cholinesterase inhibition are present.



DIRECTIONS FOR USE

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FOR PROTECTION OF STORED GRAINS such as Wheat, Oats, Rice, Corn, Rye, Grain Sorghum and Field or Garden Seeds against Confused Flour Beetle, Rice Weevil, Granary Weevil, Saw-Toothed Grain Beetle, Lesser Grain Borer, and Indian Meal Moth — Apply 1 pint MALATHION PREMIUM GRADE 57% EMULSIFIABLE LIQUID in 2 to 5 gallons of water per 1,000 bushels. Apply as the grain is being loaded or turned into final storage.

FOR PROTECTION OF STORED PEANUTS against Red Flour Beetle, Indian Meal Moth, Confused Flour Beetle, Rice Weevil, Flat Grain Beetle, Rusty Grain Beetle, Lesser Grain Borer, Granary Weevil and Saw-Toothed Grain Beetle.

Residual Warehouse Spray (before storing peanuts): Clean the warehouse thoroughly of old peanuts 1 to 2 weeks before new peanut crop is stored. Then, thoroughly spray the interior of the empty warehouse, especially beams and protected places. Treat outside wall to a height of 6 to 8 feet and the ground to a distance of 6 feet from the warehouse. Use 1 pint of MALATHION PREMIUM GRADE 57% EMULSIFIABLE LIQUID in sufficient water to make 2½ gallons of spray or 1 gallon with 19 gallons of water. Apply as a coarse spray at the rate of 2 gallons per 1,000 square feet of surface and run off.

Bulk Spray Treatment (peanuts going into storage): Use MALATHION PREMIUM GRADE 57% EMULSIFIABLE LIQUID at the rate of 2½ pints per 5 gallons of water for each 15 tons of farmers stock peanuts as they go into storage.

Use good spray equipment. Preferably, use a suitable mechanical spray applicator that regulates the rate of application to the flow of peanuts to adjust the operating pressure of spray pump and size of nozzle opening to correlate the amount of spray delivery with the rate of flow of peanuts being treated. Avoid spraying with a fine mist that drifts away by using low nozzle pressure. Shield the nozzle against wind and air current.

After peanuts have been bulk treated, use Malathion Premium Grade 25% Wettable Powder as a supplemental surface spray as follows:

Use 1½ pound of Malathion Premium Grade 25% Wettable Powder in 2 gallons for each 1,000 square feet of surface.

Apply the first surface treatment as soon as the bin is filled and leveled, but not later than the first week in October. Apply the second surface treatment one month later, followed by subsequent treatments at 2 month intervals.

For applying the wettable powder surface treatments, use a piston-type power sprayer, equipped with an agitator, and with a nozzle capable of delivering a coarse spray. Use spray equipment with sufficient capacity and power to cover large surface thoroughly.

ANIMALS

BEEF CATTLE: LICE: 1 gallon to 100 gallons of water or 6½ oz. per 5 gallons of water. **TICKS:** 1-2 gallons per 100 gallons of water or 6½ - 13 oz. per 5 gallons of water.

HORN FLY: 1 - 1½ gallons per 100 gallons of water or 6½ - 13 oz. per 5 gallons. Apply complete coverage spray. One treatment may be sufficient. Repeat application only as needed at 2 week intervals.

DAIRY CATTLE (Non-Lactating): LICE: 6½ oz. per 5 gallons of water. **TICKS:** 6½ - 13 oz. per 5 gallons of water. Repeat application only as needed at 2 week intervals. **DO NOT** spray during lactation or within two weeks of freshening. **DO NOT** apply to calves under one month of age. **DO NOT** apply to lactating dairy cattle. **DO NOT** dip within two months of freshening.

SWINE: LICE: 1 gallon to 100 gallons of water or 6½ oz. per 5 gallons of water. Apply as a complete spray to animals, pens and litter. One treatment may be sufficient. Repeat application only as needed. When applying spray, avoid contamination of feed, food containers and watering troughs. Sprayed hogs should be kept out of sun and wind for a few hours after treatment.

DOGS & CATS — DIRECT APPLICATION

For control of Fleas, apply spray of 1 oz. of MALATHION PREMIUM GRADE 57% EMULSIFIABLE LIQUID per 1 gallon of water. Wet animal thoroughly using a hand sprayer.

If the animal has free run, treatment may have to be made every second or third week. To avoid unnecessary applications, animals should be closely examined for Fleas before retreating. If the animal is confined to an area free of Fleas, one treatment may be sufficient. **DO NOT** treat animals under one month of age.

ANIMAL QUARTERS

For control of Fleas in kennels, pens, yards, lawns and under houses. Remove manure or debris. Use spray of 5 ozs. of MALATHION PREMIUM GRADE 57% EMULSIFIABLE LIQUID per 1 gallon of water at a rate of 1 gallon per 1000 sq. ft. Use garden sprayer.

ORNAMENTALS

For Oyster Shell Scale and Lace Bugs, use 1 pint. For Spider Mites, Aphids, White Flies, Mealybugs, Thrips, Japanese Beetle, European Pear Shoot Moth, Four-Lined Plant Bug, Tarnished Plant Bug, Rose Leafhopper, Potato Leafhopper, Scurfy Scale and Euonymus Scale, use 1½ pints. For Bagworm, Tent Caterpillar, Boxwood Leaf Miner, Birch Leaf Miner, Oak Kermes, Florida Red Scale, Fletcher Scale, Juniper, Azalea and Magnolia Scales, use 2 pints. For Black Scale Crawler, Soft Brown and Monterey Scales, use 2½ pints. Apply thorough full coverage sprays as needed. All above rates per 100 gallons of water.

Note: **DO NOT** apply to Petunias, certain ferns (including Boston, Maidenhair, Pteris), and some species of Crassula, since plant injury may occur.

293
-2-

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

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

Sincerely yours,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

Enclosure