



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 19, 2025

Dr. Hans Snel  
hans.snel@pelsis.com  
DENKA REGISTRATIONS BV  
Mercuriusweg 51

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Revision to label to update manufacturer and EPA Establishment Number  
Product Name: TECHNICAL MUSCALURE (Z-9-TRICOSENE)  
Admin Number: 7319-5  
EPA Receipt Date: 11/07/2025  
Action Case Number: 00676471

Dear Dr. Hans Snel:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

The label submitted with the application has been stamped "Accepted Only Indicated Revisions Reviewed" and is enclosed for your records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Nina Naimy via email at [naimy.nina@epa.gov](mailto:naimy.nina@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "James Parker". The script is elegant and cursive, with the first letters of "James" and "Parker" being capitalized and prominent.

James Parker, Biologist  
BPB, BPPD  
Office of Pesticide Programs

12/19/2025

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

7319-5

No label revisions other than those indicated were  
reported to the Agency.

## FOR MANUFACTURING USE ONLY

FOR USE IN MANUFACTURING OR FORMULATING REGISTERED  
PESTICIDE PRODUCTS. NOT TO BE USED DIRECTLY FOR TREATMENT  
OF PESTS.

## TECHNICAL MUSCALURE

### Z-9-TRICOSENE

#### ACTIVE INGREDIENT

Z-9-Tricosene [Muscalure]..... 86.00%

OTHER INGREDIENTS..... 14.00%

[includes E-9-tricosene 11.40%]

TOTAL:..... 100.00%

[This product contains 5.80 lbs Z-9-Tricosene [Muscalure] per gallon]

KEEP OUT OF REACH OF CHILDREN

## CAUTION

### FIRST AID

#### IF ON SKIN OR CLOTHING

- > Take off contaminated clothing.
- > Rinse skin immediately with plenty of water for 15-20 minutes.
- > Call poison control center or doctor for treatment advice

Have the product container or label with you when calling a poison  
Control center or doctor, or going for treatment

Manufactured by: Denka ~~International Registrations~~ B.V.  
~~HANZEWEG 1~~Mercuriusweg 51  
3771 NC Barneveld  
THE NETHERLANDS

EPA Registration No. 7319-5  
01

EPA Establishment No. 7319-~~HL~~NLD-

NET CONTENTS: \_\_\_\_\_ Gallons [ \_\_\_\_\_ Liters]

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION**

Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public water unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

**FOR MANUFACTURING USE ONLY**

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

TECHNICAL MUSCALURE [Z-9-tricosene] is a behavior modifying biochemical which functions as an attractant to be used in formulating products for control of house flies [*Musca domestica*]. It may be used alone or in combination with other pesticides in formulating any registered pesticide. Prior approval of the end-use formulation by the U.S. Environmental Protection Agency is required.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal

**STORAGE:** Store in a tightly closed container in a cool place until used

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of the smoke.

## WARRANTY AND LIMITATION OF DAMAGES

**DENKA ~~INTERNATIONAL REGISTRATIONS~~ b.v.** warrants that this material conforms to the chemical description and guaranteed limits of the active ingredient as stated on the label.

**DENKA ~~INTERNATIONAL REGISTRATIONS~~ b.v.** makes no other express or implied warranty, including any other expressed or implied warranty of FITNESS or MERCHANTABILITY of any kind.

**DENKA ~~INTERNATIONAL REGISTRATIONS~~ b.v.**'s maximum liability for breach of this warranty shall not exceed the purchase price of this product. In no event shall **DENKA ~~INTERNATIONAL REGISTRATIONS~~ b.v.** be liable for indirect or consequential damages. This warranty shall not be changed by oral or written agreement unless signed by a duly authorized officer of **DENKA ~~INTERNATIONAL REGISTRATIONS~~ b.v.**

Buyer and user acknowledge all risks and liabilities resulting from the handling, storage and use of this material, whether in accordance with directions or not.