



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 5, 2018

Steven R. Spaulding  
Vice President of Regulatory Affairs  
Wellmark International  
1501 E. Woodfield Road, Suite 200 West  
Schaumburg, Illinois 60173

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling and Formulation Amendment – to add 1) alternate source of active ingredient to registration; and 2) revise product label to clarify regulatory jurisdiction for cattle feed ingredients formulated with the referenced pesticide.  
Product Name: RF 2054 Tub  
EPA Registration Number: 2724-787  
Application Date: 02/05/2015, 02/24/2016  
OPP Decision Number: 499908, 516329

Dear Mr. Spaulding:

The amended labeling and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are 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.

Please note that the record for this product currently contains the following acceptable CSFs:

- Basic CSF dated 06/23/2006
- Alternate CSF #1 dated 02/05/2015

Any CSFs other than those listed above are superseded/no longer valid.

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.

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 the U.S. Environmental Protection Agency (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 false or misleading statements or claims substantially differing from the EPA-approved 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 any questions, please contact Elyse Bilardo by phone at (703) 347-0182 or via email at [bilardo.elyse@epa.gov](mailto:bilardo.elyse@epa.gov).

Sincerely,



Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure Master Label

[optional text]

**RF2054 TUB**

PREVENTS ADULT HORN FLY EMERGENCE FROM MANURE OF TREATED CATTLE

A [Nutritional] [Mineral and Vitamin] Supplement [for beef calves and cattle] Containing S-Methoprene\* Insect Growth Regulator for Continuous Feeding to [beef] Cattle [on pasture] through the Horn Fly Season

Contains Altosid® IGR

[Mineral] [Protein] Supplement for Beef and Dairy Cattle on pasture

[Solid feed supplement] [for all classes of [Beef] and [Dairy] [Lactating and Non-Lactating] Cattle][only]

**ACTIVE INGREDIENT:**

(S)-Methoprene (CAS #65733-16-6)..... 0.0025%

**OTHER INGREDIENTS:**..... 99.9975%

TOTAL 100.0000%

\*As the Insect Growth Regulator ALTOSID®

FEED INGREDIENTS	
Molasses products, Forage products, Grain products, Plant Protein products, Processed Grain By-products, Roughage products, Mineral products (except calcium iodate, calcium periodate, potassium iodate, sodium iodate), Vitamins, Food Additives Permitted in Animal Feed/Drinking Water, GRAS ingredients, Non-Protein Nitrogen (Urea), Fats/Oils, Animal Products, Animal Protein products**, Chemical Preservatives, Amino Acids & related products, Brewers products, Fermentation products, Distillers Products, Enzymes, Citrus products, Marine products, Milk products, Oilseed products, Special Purpose products. [Feed ingredients may vary depending upon nutritional requirements in different geographical regions of the country]	

\*\* [Contains no prohibited animal by-products in accordance with FDA regulation 21 CFR 589.2000] [Free from restricted ruminant protein products per Title 21, CFR 589.2000][Does not contain any prohibited materials. Does not contain any animal protein][This product was manufactured in a facility that does not handle or store animal protein products prohibited in ruminant feed as described in 21 CFR section 589.2000]

[Use this supplement only in accordance with the directions on the label.][Use as directed.] [Follow label direction(s).][This product contains supplemental selenium. Selenium can be fed at levels up to 120 ppm in a mixture for free-choice feeding at a rate not to exceed an intake of 3 mg per head per day.][CFR Title 21 Sec. 573.920 (c)(3)(ii).]

This product contains ethoxyquin, a preservative.

GUARANTEED ANALYSIS	
Will vary depending on geographic area and regional feeding requirements	

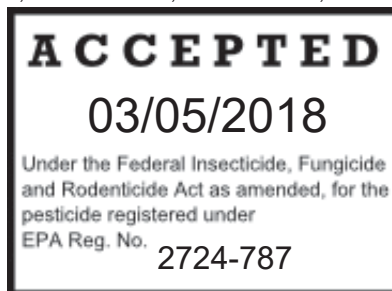
**KEEP OUT OF REACH OF CHILDREN**

EPA Reg. No. 2724-787

EPA Est No. 602-NE-001, 1990-NE-001, 70081-ND-001, 70081-TX-003, 84311-MO-001, 84315-TX-001, 88091-TN-001

NET WEIGHT: 15 to 250 lbs.

Lot Number:



## ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

## DIRECTIONS FOR USE

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

## GENERAL INFORMATION

This pesticide product is to be used as a cattle feed-through pesticide for the control of horn flies. All feed ingredients listed on this product label must adhere to the specifications and limits (if applicable) ascribed by the Food and Drug Administration (FDA) for cattle feed use when mixed with this pesticide product. This product contains ethoxyquin, a preservative. The amount of ethoxyquin may vary according to the individual manufacturer's formulation and will not exceed the 150 ppm maximum limit established for ethoxyquin by FDA, per 21 CFR 573.380.

## FEEDING AND MANAGEMENT INSTRUCTIONS

Feed this product to cattle only. When used as directed, [RF2054 TUB] will provide sufficient (S)-methoprene insect growth regulator to prevent the emergence of adult horn flies from manure of treated cattle. Existing adult horn flies will not be affected. Start feeding before horn flies appear and continue use until cold weather marks the end of the horn fly season. Allow free choice to cattle. Cattle should consume 34 mg of (S)-Methoprene per 100 lbs of cattle body weight per month to achieve horn fly control. This is equivalent to an average of [1.6 ounces] [0.10 pounds] of [RF2054 TUB] per 100 lbs. of cattle body weight per day, which is equivalent to [16 ounces] [1 pound] per day for a 1,000 pound cow.

To [Open] [Feed] [RF2054 TUB]: Remove [top cardboard sheet] [and] [plastic cover] [protective sheet] [and score several times with a knife to encourage initial consumption].

1. Assure cattle are not starved for nutrients prior to feeding [RF2054 TUB]
2. [This product contains added copper. Do not feed to cattle in close proximity to sheep or other species that have a low tolerance to supplemental copper.] (statement required dependent on copper concentration)
3. Remove all other self limiting nutritional supplements while the cattle are consuming this product.
4. [Offer cattle 1 [tub] [block] for every 15 to 25 head of cattle.] [Offer cattle 1 [RF2054 TUB] [tub] [block] for every (range of 3 to 5) head of cattle.] (for tubs/blocks of 15-50 lbs) [Offer cattle 1 [RF2054 TUB] [tub] [block] for every (range of 5 to 15) head of cattle.] (for tubs/blocks of 51-119 lbs) [Offer cattle 1 [RF2054 TUB] [tub] [block] for every (range of 15 to 25) head of cattle.] (for tubs/blocks of 120-250 lbs)
5. Locate [tubs] [blocks] where cattle congregate (watering, loafing, shade areas).
6. Replenish [RF2054 TUB] on a regular basis as needed.
7. If intake of [RF2054 TUB] is below 1.6 ounces per 100 pounds cattle body weight per day, increase the number of feeding locations and/or change location(s) to areas more frequented by cattle.
8. If intake of [RF2054 TUB] is above 1.6 ounces per 100 pounds cattle body weight per day, [reverse the above procedure] [reduce the number of feeding locations and/or change location(s) to areas less frequented by cattle].
9. Introduction of this product after adult horn fly infestation is established will require treatment of cattle with [adulticides] [(Brand Name)] if elimination of the adult horn fly population is desired.

**STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal.

**Storage:** Store in a cool, dry place. Do not stack anything on top of this container without placing a slip sheet or wooden pallet between containers .

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

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling if available, 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 smoke. [Return empty tubs to [company] for cleaning and recycling.]

**Optional for shrink wrapped blocks:** [Completely empty [wrapper][container]]. [Dispose of [wrapper][container][packaging material] in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

[For information, call (subregistrant phone number)]

In an emergency call the National Poison Control Center at [1-800-222-1222] 24 hrs/day, 7 days/wk]

ALTOSID® Insect Growth Regulator is a registered trademark of Wellmark International.

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Made in USA