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APR 27 1987

Raymond A. Cardona, Ph.D.
Uniroyal Chemical Company
74 Amity Road
Bethany, CT 06525

Dear Dr. Cardona:

Subject: Amendment/Add Spearmint and Peppermint and Additional
Brand Name
Nutra-Spray Flowable S-52
EPA Registration No. 400-363
Your Submission Dated December 28, 1986

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling change listed below before you release the product for shipment bearing the amended labeling:
 2. To the directions for use on spearmint and peppermint add "Apply when first sign of infection appears or when plants have 4 to 5 leaves, followed by additional sprays at 2-week intervals."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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.

BEST AVAILABLE COPY

88786:I:Schraubelt:J-10:KENCO:4/21/87:4/29/87:SONJA:VO:EK:NeeCae

CONCURRENCES

SYMBOL	ORIGINATOR							
SURNAME								

We are also accepting the alternate brand name listed below. It is understood that the label will be identical to the basic product label except for brand name.

Additional Brand Name

Nutra-Spray Flowable Sulfer 8-52

Sincerely yours,

Lois A. Rossi
Acting Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosure

BEST AVAILABLE COPY

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 27 1987

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

400-363

NUTRA-SPRAY® FLOWABLE S-52

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing spray mist. Avoid contact with eyes, skin and clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes.



DIRECTIONS FOR USE

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

COMPOSITION

Active Ingredient: (% by weight)	
Sulfur as S	52.4%
Inert Ingredients:	47.6%
Total:	100%

Contains 6.0 pounds Sulfur per gallon

STORAGE AND DISPOSAL

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

STORAGE: Store in a dry location.

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 incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting by sticking finger down throat. Never give anything by mouth to an unconscious person. Get Medical Attention.

IF ON SKIN: Wash thoroughly with soap and water. Get Medical Attention.

IF IN EYES: Wash with plenty of clear water for AT LEAST 15 minutes. Get Medical Attention.

See left side panel for additional precautionary statement.

UNIROYAL CHEMICAL COMPANY, INC.

Middlebury, CT 06749

EPA REG. NO. 400-363

EPA EST. NO.

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REENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas for 24 hours unless appropriate protective clothing is worn.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written or oral warnings must include the following information:

"CAUTION" Area to be treated with SULFUR on (date of application). Do not enter without appropriate protective clothing until 24 hours after application.

PRODUCT INFORMATION

NUTRA-SPRAY FLOWABLE S-52 is a flowable sulfur formulation that may be applied as a ground or aerial application. Consult your State Agricultural Experimental Station or Extension Specialist for advice in selecting treatments from this label to best fit local conditions.

NUTRA-SPRAY FLOWABLE S-52 can be mixed and applied with liquid fertilizer or water. Do not combine with emulsifiable liquids except on dormant sprays or delayed dormant spray applications.

USE ONLY ON CROPS LISTED AND ONLY AS SPECIFIED ON THIS LABEL. EXCEPT ON COTTON, do not apply when temperatures exceed or are likely to exceed 90°F. Do not use sulfur with oil or within 14 days of an oil spray (for citrus 21 days). Do not combine with emulsifiable liquids.

NOTE: Sulfur will cause severe fruit and leaf injury to sulfur-sensitive crops. Do not apply or allow to drift to apricots, Anjou and Comice pears, cranberries, cucurbits (cucumber, cantelopes, melons, squash), filberts, spinach, tung trees, walnuts or other sensitive plants. Sulfur may burn foliage and fruit during periods of high temperatures and under certain climatic conditions.

NUTRA-SPRAY FLOWABLE S-52 is recommended to alleviate sulfur deficiency. It may be used by itself or with other products to maintain sulfur levels in crop foliage.

DIRECTIONS FOR USE

Use of this material in a manner other than in accordance with this label may cause serious plant, crop or personal injury, excessive residues, unsatisfactory control or other unintended consequences. Unless otherwise specified for specific tree fruits, dosage rates are given as amount of NUTRA-SPRAY FLOWABLE S-52 per 100 gallons water. Apply with adequate water to ensure thorough plant coverage. For best results apply during the early morning when the crop is not stressed for water.

DIRECTIONS FOR MIXING

BEFORE USING, STIR UNTIL SMOOTH

Add NUTRA-SPRAY FLOWABLE S-52 to partially filled spray tank. Agitate during filling and spraying. DO NOT STOP AGITATION WITH SULFUR IN SPRAY EQUIPMENT. The strong adhesive properties of NUTRA-SPRAY FLOWABLE S-52 act as a sticker on the plant, and the sticking characteristic necessitates the flushing equipment with water after each day's use. Sulfur in any form is corrosive material. To reduce the effect, equipment should be flushed daily.

RECOMMENDATIONS

TREE FRUITS

Unless otherwise specified for specific crops, dosage rates are given as pints of NUTRA-SPRAY FLOWABLE S-52 per 100 gallons water for use in a thorough coverage spray. The total amount of NUTRA-SPRAY FLOWABLE S-52 per acre should be 2 to 4 gallons depending on size of the trees. Because of variations in the types of spray equipment used, a range of low and high rates is listed. For high volume sprayers (output 800-1000 gallons spray per acre) use the low rate; for low volume sprayers (output 20-300 gallons spray per acre) use the high rate. This product should be applied by ground equipment, aircraft or sprinkler irrigation systems in sufficient water to provide thorough coverage.

APPLE, PEAR:

Scab:

- Pre-bloom through calyx sprays 1½ to 3½ pints
- Cover Sprays ¾ to 2 pints

Powdery Mildew:

- Pre-bloom through calyx sprays 3 pints
- Cover Sprays 2 pints

CHERRY, PLUM, PRUNE:

Brown Rot, leafspot:

- Pink and Bloom Sprays 1½ to 3½ pints
- Petal fall, shuck and cover sprays 2½ to 1¾ pints

CTIRUS:

Rust Mite, clover mite:

- Apply sprays November through May ¾ to 4½ pints

Thrips (Early spring treatment for the reduction of Thrips population: Apply 1 to 2 gallons per acre in sufficient water for thorough coverage. Make application after spring flush has made 3 to 4 inch growth. Repeat if necessary. Do not apply within 21 days of an oil application.

PEACH, NECTARINE:

Powdery Mildew, brown rot, scab:

- Pink and Bloom Sprays 1½ to 3½ pints
- Petal fall, shuck and cover sprays 2½ to 1¾ pints

Application to mature nectarine may cause discoloration.

FIELD AND VINE CROPS

For field and vine crop recommendations, the range of acceptable use rates reflects the amount of NUTRA-SPRAY FLOWABLE S-52 to be used depending upon individual crop disease control needs. Unless otherwise specified for specific crops, dosage rates are given as pints of NUTRA-SPRAY FLOWABLE S-52 per acre. This product should be applied by ground equipment, aircraft or sprinkler irrigation systems in sufficient water to provide thorough coverage.

Sprinkler Irrigation Water: Use 1 to 2 gallons per acre by injecting into sprinkler system at or near the irrigation pump. For center pivot systems, apply during the full revolution of the system. For portable or solid set systems, apply during the final 15 minutes of the irrigation period. Do not operate irrigation system after application until deposit has thoroughly dried. Apply the product through systems containing: 1) anti-siphon and check valves which will prevent water source contamination and overflow of the slurry tank and 2) interlocking controls between the metering device and the water pump to insure simultaneous shut off.

BEANS (dry, colored, green, snap, lima): Powdery Mildew, Rust: Use 4 to 8 pints of NUTRA-SPRAY FLOWABLE S-52 per acre in sufficient water for thorough coverage. Begin application at the first sign of disease. Repeat at 7 to 14 day intervals to keep new growth protected.

COTTON: Atlantic Mite: Use 1 to 2 pints for early season control and up to 1 gallon for mid to late season control.

GRAPES: Powdery Mildew: Use 1 to 2 pints per 100 gallons water, maximum of 8 pints NUTRA-SPRAY FLOWABLE S-52 per acre in spring and summer. Make first application when shoots are 6 to 8 inches long, second when shoots are 12 to 15 inches long, and third at about bloom stage. The timing, rate and number of applications will vary with local conditions. Consult the State Agricultural Extension Service or State Agricultural Experiment Stations in your region for specific information.

PEANUTS: For rust use 2 to 4 pints per acre of NUTRA-SPRAY FLOWABLE S-52 in enough water for good coverage. Begin 40 to 60 days after planting. Use 7 to 14 day intervals as long as needed to control rust.

POTATOES: Powdery Mildew: Use 3 to 4 pints in 8 to 10 gallons water per acre by air. Apply at the first sign of infection and repeat at 3 week intervals.

Spearmint and Peppermint: Mites and powdery mildew, apply 2-5 pints per acre in 8-10 gallons of water per acre by air or 10-20 gallons of water per acre by ground. Do not apply within 6 weeks of harvest.

STRAWBERRIES: Powdery Mildew: Use 2 pints. Apply at first sign of infection and repeat at 3 week intervals. For strawberries that will be canned, discontinue application of sulfur well before harvest in accordance with local canners' recommendations.

SUGAR BEETS: For control of Powdery Mildew, apply the recommended rate in 5 to 10 gallons of water by air, 10 to 20 gallons of water by ground at first sign of infection. West, Northwest and Midwest, use 4-8 pints of NUTRA-SPRAY FLOWABLE S-52 with recommended rates of water. Repeat applications should be made at 10-30 day intervals or as necessary throughout the season. Under most disease conditions only one or two applications will be needed.

TOMATOES: Tomato russet mite: Use 1/2 to 1 gallon per acre depending upon size of plants. Use full coverage sprays.

IMPORTANT NOTICE — Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.