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US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (7-767)
WASHINGTON, DC 20461

EPA REGISTRATION NO.

400-363

DATE OF ISSUANCE

JUN 10 1986

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

(Uniroyal) Flowable Sulfur

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Uniroyal Chemical Co.
74 Amity Road
Bethany, CT 06525

656 169894
17 1

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Registration Standard Guidance Package, EPA has re-registered the product listed above. This registration is granted under the authority of FIFRA section 3(g) of as amended.

The labeling referred to above, submitted in connection with registration under the FIFRA, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted.

1. Your label must contain the appropriate Statements of Practical Treatment for this product.
2. Revise the Human Hazards section as follows:
 - a. The first statement should read, "Harmful if swallowed, inhaled, or absorbed through skin."
 - b. Delete, "May cause irritation of nose, throat, or skin."
 - c. Add:

Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Henry M. Jacoby

DATE

6/10/86

3. Add the following to the Environmental Hazards section:

Do not apply when weather conditions favor drift from treated areas.

4. Revise the Reentry Statement to:

Do not reenter treated area for 24 hours unless appropriate protective clothing is worn.

5. Delete the use on mint or submit information upon which this claim is based. We have no record of previous acceptance of sulfur on mint for control of powdery mildew.

6. The label indicates when to use high and low rates of dosage range for tree fruits but not for field or vine crops. Include a similar statement in the field or crop directions.

The proposed name change to "Nutra-Spray Flowable S-52" is acceptable. Our records have been amended to reflect this change.


Henry M. Jacoby
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosure

NUTRA-SPRAY FLOWABLE S-52

UNIROYAL

ACCEPTED
with COMMENTS
by EPA Letter

REREGISTERED
JUN 10

Under the Federal
Fungicide, and
as amended, for
registered under

400-5

COMPOSITION

Active Ingredient: (% by weight)	
Sulfur as S	52.4
Inert Ingredients:	47.6
TOTAL:	100.0%

Contains 6.0 pounds Sulfur per gallon

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Side Panel For Additional Precautionary Statement.

Uniroyal Chemical Company, Inc.

Middlebury, CT 06749

EPA REG. NO. 400-363

EPA EST. NO.

Nutra-Spray is a Registered Trademark of Uniroyal, Inc.

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NET CONTENTS: 5 GALLONS

Lot. No.

TOP LEFT PANEL
NUTRA-SPRAY FLOWABLE S-52

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

CAUTION

Harmful if swallowed. Avoid breathing spray mist. May cause irritation of nose, throat or skin. Avoid contact with eyes, skin and clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. 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.

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.

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 to perform activities that involve substantial or prolonged contact with treated foliage without protective clothing until the 24-hour reentry interval has expired.

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 Experiment 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, d'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 climate 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 of 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 the 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 to 1000 gallons spray per acre) use the low rate; for low volume sprayers (output 20 to 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.....1 1/2 to 3 1/2 pints
- Cover Sprays.....3/4 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.....1 1/2 to 3 1/2 pints
- Petal fall, shuck and cover sprays.....2/3 to 1 3/4 pints

CITRUS:

Rust Mite, clover mite:

Apply sprays November through May3/4 to 4 1/2 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.....1 1/2 to 3 1/2 pints
- Petal fall, shuck and cover sprays.....2/3 to 1 3/4 pints

Application to mature nectarines may cause discoloration.

FIELD AND VINE CROPS:

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 one 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 State Agricultural Extension Service or State Agricultural Experiment Stations in your region for specific information.

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MINT: Mites, Powdery Mildew. Use 2 to 4 pints per acre in 8 to 10 gallons of water per acre by air or in 10 to 20 gallons of water per acre by ground. Do not apply within 6 weeks of harvest.

PEANUTS: For rust use 2 to 4 pints per acre of NURTA-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.

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 NURTA-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.