

279-2131

2/27/1973

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
PESTICIDES REGULATION DIVISION  
WASHINGTON, D.C. 20260

FORM APPROVED  
BUDGET BUREAU NO. 40-R1746

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APPLICATION FOR **AMENDED** REGISTRATION OF ECONOMIC POISONS

(Under the Federal Insecticide, Fungicide, and Rodenticide Act)

1. DATE OF APPLICATION

March 1, 1973

IMPORTANT: READ INSTRUCTIONS ON REVERSE

2. NAME OF ECONOMIC POISON (Must be same product name as on label—do not list active ingredients)

Liqui-Stik Concentrate (Code 30062)

3. NAME & MAILING ADDRESS OF REGISTRANT (Include Zip Code)

Niagara Chemical Div., FMC Corp  
100 Niagara Street  
Middleport, New York 14105  
Attention William C. Ferguson

4. REGISTRATION NO.

279-2131

5. PROPOSED EFFECTIVE DATE OF CHANGE

amended use pattern on approval

6. NATURE OF REVISION (Check applicable item and give details in item 7, when required)

GENERAL REVISION OF LABELING

ADDITIONAL USES ADDED TO LABELING   
(List new recommendations in item 7)

CHANGE IN FORMULATION

(Give description of exact change in item 7)

CHANGE IN PRODUCT NAME

(Give old name and new name in item 7)

OTHER

(Specify in item 7)

7. DETAILS REQUIRED BY REVISION CHECKED IN ITEM 6 (Attach additional sheets if more space is needed)

- Submitting West Coast label for general up-dating
- Request modification of apple airplane use to read as follows:

AIRPLANE SPRAY - APPLES: To prevent pre-harvest fruit drop use 30 fluid ounces in 10 to 20 gallons of water per acre 7 to 14 days before harvest. Do not make more than 2 applications. Do not delay picking beyond optimum maturity. Do not apply within 2 days of harvest.

ACCEPTED  
MAR 27 1973  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
UNDER NO. 279-2131 SUBJECT  
TO ATTACHED COMMENTS.

CONTINUED ON ATTACHMENT

8. THE FOLLOWING MUST BE SUBMITTED WITH THIS APPLICATION

- Five (5) copies of revised labeling, including any printed or graphic matter which may accompany the sale of this product. Copies must be clearly legible and identical.
- If a change in formulation is involved, five (5) copies of a statement of revised formula showing the precise name and percentage of each active and each inert ingredient.  
(This information is treated confidentially)
- When appropriate, three (3) copies of Supporting Data.

12. RECEIVED BY USDA-PESTICIDES REGULATION DIVISION, WASHINGTON, D. C.

IN ANY CORRESPONDENCE ON THIS PRODUCT REFER TO REGISTRATION NO. IN ITEM 4, ABOVE.

9. SIGNATURE OF AUTHORIZED FIRM REPRESENTATIVE

*William C. Ferguson*

10. TITLE

11. DATE SIGNED

Manager, Development Services 3/1/73

PR FORM 9-198  
MAY 1969

EXISTING STOCK OF PR FORM 9-198 (AUG. 1966)  
WILL BE USED UNTIL EXHAUSTED

USDA  
WASHINGTON, D.C.

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Code: 30062



One Gallon Net Contents

# LIQUI-STIK CONCENTRATE

Niagara Liqui-Stik Concentrate is a hormone-like spray to be used in the following manner on apples and pears for the prevention of pre-harvest fruit drop and thinning of olives. Do not use in undiluted form.

### DIRECTIONS FOR APPLES AND PEARS

Spray trees thoroughly, wetting all fruit stems and adjacent leaves. Apply 7 to 14 days before harvest for apples and 5 to 7 days before harvest for pears. Do not spray within 2 days of harvest. This product becomes effective in 2 to 3 days after application and controls drop for 10 days to 4 weeks (less for McIntosh variety) depending on weather conditions. Do not make more than 2 applications and do not delay picking beyond optimum maturity.

**GROUND SPRAY:** For Apples, thoroughly mix 12 fl. oz. with 250 gallons of water (4.8 fl. oz. per 100 gals. water) to prepare a 20 ppm. spray. 630 gallons per acre of this 20 ppm. spray provides an equivalent of 48 grams of 1-Naphthaleneacetic acid per acre. For Pears, use a 10 ppm. spray obtained by mixing 12 fl. oz. with 500 gallons of water. 670 gallons per acre of this 10 ppm. spray provides an equivalent of 25 grams of 1-Naphthaleneacetic acid per acre.

**AIRPLANE SPRAY:** For Apples use 30 fl. oz. in 5 gallons of water. For Pears, use 11 fl. oz. of this product in 5 gallons of water per acre.

### DIRECTIONS FOR THINNING OLIVE TREES

Niagara Liqui-Stik Concentrate is effective in thinning olive trees when an excessively heavy fruit set is expected.

**Timing is critical.** Spray when young fruits are 1/8" to 3/16" in diameter, which is from 1 1/2 to 2 1/2 weeks following full bloom. Thinning is effective on all varieties except Sevillano. **Without Oil.** Apply a solution of 150 ppm. 1-Naphthaleneacetic acid equivalent obtained by adding 9 fl. oz. and a

### GROWTH REGULATOR

EPA REGISTRATION NO. 279-2131 AA

ACTIVE INGREDIENT:	BY WT.
1-Naphthaleneacetic Acid as the ammonium salt*	5.68%
INERT INGREDIENTS:	94.32%
	100.00%

\*Equivalent to 5.2% 1-Naphthaleneacetic acid or 200 grams per gallon.

## CAUTION

### KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid contact of eyes and clothing by the diluted spray. Avoid contact of skin with the concentrate. Avoid contamination to feed and food-stuffs.

wetting agent (e.g. Drest 3 to 4 oz.) to 25 gallons of water. **With Oil.** Apply a solution of 100 ppm. 1-Naphthaleneacetic acid equivalent obtained by mixing thoroughly 6 fl. oz. with 25 gallons water. Emulsify by agitation with 3 pints of light or medium summer oil. Spray only the heavily loaded trees until the leaves are thoroughly wet. This will require 10 to 30 gallons per tree. **CAUTION:** Unless you wish to remove all your fruit, do not apply during bloom.

### USAGE CAUTIONS

Do not re-use empty one gallon container. Destroy it by perforating or crushing. Bury or discard in a safe place away from water supplies.

Do not apply when weather conditions favor drift from the area treated. Do not apply when runoff is likely to occur. Do not use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

### Dealer Should Sell in Original Packages Only.

**TERMS OF SALE OR USE:** On purchase or use of this product buyer and user agree to the following conditions: **WARRANTY:** Niagara warrants that this product, as of the time of sale by Niagara, (1) conforms to the ingredient statement on the label, and (2) is reasonably fit for the purposes set forth in the Directions for Use. **EXCEPT AS SO WARRANTED THE PRODUCT IS SOLD AS IS. NIAGARA MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.**

**DAMAGES:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages. Notice of any claim must be reported to Niagara within 10 days of discovery by buyer or user, failing which buyer or user waives any claim of such damage.

**EXCUSE FROM NON-CONTROLLABLE CONDITIONS:** Because of certain critical conditions created or incurred by buyer or user or over which Niagara has no control, buyer and user, as a condition of purchase or use, assume responsibility for and release Niagara from, liability arising out of the handling or use of the product attributable to such causes. No person is authorized to vary or waive any statement contained herein.

NIAGARA CHEMICAL DIVISION  
FMC CORPORATION



APPLE COTTAGE  
FRESNO, CALIFORNIA



RICHMOND, CALIF. • YAKIMA, WASHINGTON

West Coast Label

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