



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

SEP 16 1994

Sharon M. Johnston
ROUSSEL UCLAF CORP.
95 Chestnut Ridge Road
Montvale, NJ 07645

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 10/08/93 in Response to PR Notice 93-7
EPA Reg. No. 432-553
PRAMEX INSECTICIDE E.C. 13.3% FOR USE ON PLANTS

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

BEST AVAILABLE COPY

Sincerely,

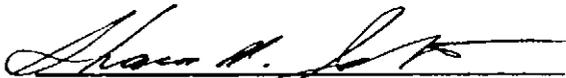
James Tompkins
James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)



Recycled/Recyclable
Printed with Soy/Carbon
contains at least 50% recycled fiber

Certification when deviations are proposed:

I certify that the revised labeling being submitted for this product is in complete accordance with the labeling requirements of PR Notice 93-7, which reflects the requirements of EPA's labeling regulations for worker protection statements (40 CFR part 156, subpart K), except where noted. I have, in one or more places in the revised labeling, proposed changes that deviate from the exact language or location specified in the PR Notice. I have identified all such statements by highlighting them in a way that distinguishes them from any other label revisions. I have attached an explanation for each proposed deviation. I have proposed no changes to this labeling other than those required to comply with 40 CFR part 156, subpart K. I understand that EPA cannot guarantee to render its decision on revised labeling not in complete conformance with PR Notice 93-7 by April 21, 1994. I understand that it would be a violation of FIFRA if I or my supplemental registrants were to sell or distribute this product after April 21, 1994, without amended labeling complying with the requirements of 40 CFR part 156, subpart K.



Sharon M. Johnston
Registration Specialist
Roussel Uclaf Corporation

10-8-93
Date

043

**PRAMEX® INSECTICIDE EMULSIFIABLE
CONCENTRATE 13.3% FORMULA I
FOR USE ON PLANTS**

- CONTAINS 1 LB/GAL (120 G/L) OF PRAMEX® INSECTICIDE
- FOR CONTROL OF VARIOUS PLANT PESTS INDOORS AND FOR INTERIOR LANDSCAPING
- FOR USE OUTDOORS AND AROUND BUILDINGS, HOMES, IN SMALL FLOWER AND VEGETABLE GARDENS, AND ON FRUIT, NUT AND ORNAMENTAL TREES

ACTIVE INGREDIENTS:

*†•Permethrin (3-phenoxyphenyl)methyl(±)Cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate 13.30%
INERT INGREDIENTS: 86.70%
100.00%

*Cis/trans isomers ratio: min. 35%(±)cis and max. 65%(±)trans.
†U.S. Patent No. 4,024,163
•Roussel Uclaf's PrameX® brand of permethrin insecticide.
Roussel Uclaf Corp., 95 Chestnut Ridge Road, Montvale, N.J. 07645

EPA Reg. No. 432-553

EPA Est.

PRECAUCION AL CONSUMIDOR: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.
(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

**KEEP OUT OF REACH OF CHILDREN
WARNING**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting. This product contains petroleum solvent. Aspiration may be a hazard.
IF IN EYES: Flush with plenty of water. Get medical attention.
IF ON SKIN: Wash with soap and plenty of water. Get medical attention if irritation persists.

See side panel for additional precautionary statements

ROUSSEL UCLAF CORPORATION
95 Chestnut Ridge Road
Montvale, New Jersey 07645

ACCEPTED
with COMMENTS
In EPA Letter Dated
FEB 16 1974
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
432-553

NET CONTENTS:

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
WARNING**

Causes eye irritation. Do not get in eyes. Avoid contact with skin or clothing. Harmful if swallowed. Avoid breathing vapor. Wash thoroughly after handling. Do not use in food handling areas.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Flash point minimum of 105°F (49°C).

STORAGE & DISPOSAL

STORAGE: Do not store at temperatures below 40°F (4.5°C). If this material has been exposed to temperatures below 40°F (4.5°C), there may be precipitation. Check for crystallization. If evident, warm to 80°F (26.5°C) and thoroughly mix before using. **DO NOT USE OPEN FLAME.** Store product in original container in a locked storage area.
CONTAINER DISPOSAL: Do not reuse empty container. Wrap container and put in trash.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

FOR USE ON ORNAMENTAL PLANTS, MIX PRAMEX® EC WITH WATER IN THE FOLLOWING MANNER:

<u>FINISHED SPRAY</u>	<u>PRAMEX® EC®</u>	<u>WATER</u>
0.015%	1 teaspoon (1 ml)	1 gallon (3.79 L)

*Note: Do not use more PrameX® EC than recommended, as this may cause some plant injury.
Use this dilution unless other instructions are given.

CONTACT AND RESIDUAL SPRAY - Apply a finished spray of PRAMEX® Emulsifiable Concentrate. **USE SUFFICIENT SPRAY TO OBTAIN FULL COVERAGE OF ALL FOLIAGE. ADJUST SPRAY VOLUME USED TO PLANT SIZE.**

INDOORS: To protect plants for indoor landscaping - Spray directly on insects to kill leafrollers, armyworms, cutworms, cabbage worms on chrysanthemums; fungus gnats on velvet plants. Spray as directed above. Also see specific chrysanthemum directions below. Spray as directed above to control aphids, armyworms, corn earworms, fall cankerworms, inchworms, Japanese beetles, leafminers, leafrollers, mealybugs, scales, spider mites, spring cankerworms, exposed thrips, and whiteflies on the following plants:

ageratum	English ivy	Poinsettia
Ardisia	Fuchsia	Portulaca
Aster	Gladiolus	Pothos
Azalea	Grape ivy	Prayer Plant
Baby's breath	Hypoestes	Purple Passion
Begonia	Ivy	Rabbits foot fern
Birds-nest fern	Juniper	Rose
Bleeding heart	Lily	Schefflera

Carnation	Marigold	Snapdragon
Chrysanthemum	Orchid	Snake Plant
Coleus	Palm	Statice
Crown of Thorns	Pansy	Velvet Plant
Cockscomb	Piperomia	Verbena
Cyclamen	Petunia	Zinnia
Cracaena	Philodendron	
Dumbcane	Piggy-back plant	

If application is to be made indoors, remove infested plants from living areas prior to application. Spray plants in an area not likely to be occupied by children or pets (particularly fish). When leaves dry, plants can be returned to original location.

Use with care on ferns, palms and fuchsia. As with all plants listed above, especially carnations, chrysanthemums, and roses, there exists a wide variety of species and cultivars, and therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, and check for possible injury.

Repeat applications may be necessary to control citrus blackflies on non-bearing citrus; adult Japanese beetles on roses.

OUTDOORS: Use one teaspoon of PRAMEX® in one gallon of water.

CONTACT AND RESIDUAL SPRAY - Apply a finished spray of PRAMEX® Emulsifiable Concentrate. USE SUFFICIENT SPRAY TO OBTAIN FULL COVERAGE OF ALL FOLIAGE. ADJUST SPRAY VOLUME USED TO PLANT SIZE.

Spray in the late afternoon or evening, when the temperature ranges from 50°F to 75°F and when there is little or no wind. Spray at the first indication of insect pests. On those plants that will flower during the season, the spray schedule should be completed before blossom formation. Repeat as necessary; use intervals of 4 to 8 days. PRAMEX® applicator can be made up to the day of collection.

Spray as directed above to control aphids, cicadas, corn earworms, fall cankerworms, inchworms, leafminers, leafrollers, mealybugs, bagworms, spider mites, exposed thrips and whiteflies on the following plants:

Ageratum	Gladiolus	Pea shrub
Arizona Cypress	Gold bells	Petunia
Aster	Hypoestes	Philodendron
Azalea	Ivy	Poinsettia
Begonia	Lilac	Rhododendron
Coleus	Marigold	Rose
Common ninebark	Mock Orange	Snapdragon
Common Snowberry	Nanny berry	Taxus
Elm	Orchid	Wax plants
Excum	Palm	Weeping fig
Euonymous	Pansy	Zinnia
English Ivy		

**FOR ORNAMENTAL TREES GROWN AROUND THE HOME
FOR GROUND APPLICATION ONLY**

Use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: Pine moths, pine needle miners, pine beetles and needle scales on pine; Budworms on conifers; Oakworms on oak; Fall webworms on cherry, elm and honeysuckle; Aphids on tulip poplar; Citrus black flies on non-bearing citrus; Tussock moths on Douglas and grand firs; Leafminers on birch; Elm leaf beetle and elm spanworms on elms.

TO KILL TENT CATERPILLARS: Application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening, when caterpillars have returned to their tents. Mix 2 fl oz (59 ml) of this product in one gal (3.79 L) of water. Wet tents with spray on all sides. A few caterpillars may be seen escaping from the tent; however, they should die within several hours.

CLUSTER FLIES - Apply this product undiluted to the outside surfaces of buildings at the rate of 2.5 fl oz/100 sq ft (74 ml/93m²). Use apparatus which delivers a strong mist spray of small particle size. Hold nozzle about three feet (or 1 meter) from surface to be treated. Apply when wind velocity is less than 2 mph (3.2 kph) to avoid drift.

FOR USE ON LAWNS - For control of ants, armyworms, chinch bugs, crickets, cutworms, Japanese beetle grubs, grasshoppers, mole crickets and sod webworms, consult the following chart:

PESTS	DILUTION
armyworms	5 tsp/10 gal water/100ft ²
cutworms	(25 ml/38 L water/93m ²)
chinch bugs	
Japanese beetle grubs	
mole crickets	
sodwebworm	
crickets	2 tsp/3 gal water/100 ft ²
grasshoppers	(10 ml/11.4 L water/93m ²)
ants	

Lawns should be no taller than 3 inches (7.6 cm) at time of application. Slightly more water may be used as long as the amount of product per area is as listed above. For heavy infestations, repeat application after two weeks.

Also for control of cutworms on dichondra and Irish moss. Use as directed above for lawns.

**Directions for Use of PRAMEX® 13.3 EC for Ground Application on Vegetables
For Backyard Vegetable Gardens Only**

Prepare PrameX® spray mix as directed in following chart.

Use 0.25 gallons of finished spray per 110 square feet or one liter per 10.7 square meters of surface area.

Vegetable	Target Pest(s)	Remarks	Recommended PrameX® Dilution Use Rate Finished Spray	
			tsp/gal	ml/liter
Asparagus (pre-harvest)	Cutworm Asparagus Beetle	Apply for uniform coverage as needed. Do not apply more than 4 applications per crop. Can be applied up to 3 days prior to harvest.	4/5	1
(Post-harvest)	Larval stages of Asparagus Beetle, Tarnished Plant Bug, Lygus Bugs, and Adult Japanese Beetle	Treat ferns or bush growth after spear harvest when insects are present	4/5	1
Celery	Vegetable Leaf Miner, Cabbage Looper, Black and Granulate Cutworm, Fall, Beet and Southern Armyworm	Apply every 3-5 days or as needed. Can be applied up to 3 days prior to harvest. Do not make more than 10 applications per season	1.5	2
Cole Crops: Broccoli Brussels Sprouts Cabbage Cauliflower	Beet Armyworm, Diamond Back Moth, Imported Cabbageworm, Cabbage-aphid, Cabbage Looper	Apply every 5 days or as needed. Can be applied up to one day prior to harvest. Do not make more than 8 applications on Cauliflower, Brussels Sprouts, and Broccoli and 10 applications on Cabbage	4/5	1
Eggplant	Colorado Potato Beetle, Vegetable Leaf Miner	Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest	1.5	2
Horseradish (Spring Preplant Dip)	Imported Crucifer Weevil	Soak sets for 30 minutes in 0.1% solution and air dry before planting	6.5	8.4
(Foliar application)	Imported Crucifer Weevil	Apply as needed. Do not exceed 3 foliar applications. Can be applied up to 22 days prior to harvest	1.5	2
Head Lettuce only (do not use on leaf lettuce)	Cabbage Looper, Alfalfa Looper, Beet Armyworm, Corn Ear Worm and Tobacco Budworm	Apply every 5-10 days as needed. Do not make more than 10 applications per season. Can be applied up to 1 day prior to harvest	1.5	2
Potatoes	Beet armyworm, Colorado Potato Beetle, Potato Leafhopper, Potato Flea Beetle, Aster Leafhopper, Potato Aphid, Potato Tuberworm, Cabbage Looper, Cutworms, European Corn Borer, Potato Psyllid, Tarnished Plant Bug	Apply as needed. Do not apply more than 12 applications. Can be applied up to 7 days prior to harvest	1.5	2
Peppers	Vegetable Leafminer, Cabbage Looper, Fleabeetle, Corn Earworm, Pepper Weevil, European Corn Borer	Apply as needed, but not more than 8 sprays per season. Can be applied up to 3 days prior to harvest.	1.5	2
Spinach	Beet Army worm, Corn Earworm, Cabbage Looper, Cutworms, European Corn Borer, Green Cloverworm and Leafhoppers	Apply for uniform coverage when needed but not more than 7 applications per season. Can be applied up to 7 days prior to harvest	4/5	1

Vegetable	Target Pest(s)	Remarks	Recommended PrameX® Dilution Use Rate Finished Spray	
			tsp/gal	ml/liter
Sweet Corn	Corn Earworm, European Corn Borer, Fall Armyworm, Southern Armyworm	Apply every 5 days and when needed but not more than 6 applications per season. Can be applied up to date of harvest	1.5	2
Tomatoes (Florida Only) Only for application to tomatoes grown in Florida for final marketing as fresh tomatoes. Do not apply on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter	Beet and Southern Armyworm, Tomato Pinworm, Tomato Fruitworm, Horn Worms, Granulate Cutworms, Colorado Potato Beetle, Cabbage Looper	Apply for uniform coverage when needed but not more than 6 applications per season. Can be applied up to date of harvest	1.5	2

**Directions for Home Owner - Backyard
Use of PRAMEX® 13.3 EC for Tree Fruit and Nut Crops Grown Around the Home
For Ground Application Only**

Apply finished spray to trees until foliage is dripping wet. Application rate is based on dwarf and semi-dwarf sized fruit trees requiring 130 gallons/acre to runoff.

Trees (Fruit or Nut)	Target Pest(s)	Remarks	Recommended PrameX® Dilution Use Rate Finished Spray	
			tsp/gal	ml/liter
Almonds	Navel Orange Worm Peach Twig Borer	Apply when insects appear. Do not make more than 2 applications during hull split and 5 applications per season. Can be applied up to 7 days prior to harvest	2.2	3
Apples	Plum Curculio, Redbanded Leafroller, Rosyapple aphid, Spotted Tentiform Leafminer, Tarnished Plant Bug, White Apple Leafhopper, Oblique-banded leafroller, Green Fruitworm	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall	2.2	3
Peaches	Lesser Peachtree Borer, Peach Twig Borer, Plum Curculio, Tarnished Plant Bug, Green Fruit Worm, Oriental Fruit Moth	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season	2.2	3
Pears (dormant through delayed dormant)	Pear Psylla	Apply during the dormant through delayed dormant growth period only. Add if desired 8 oz. of spray oil to each gallon of PrameX® End Use Spray. Do not make more than 2 applications per season.	2.2	3
(summer)	Pear Psylla, Green Fruitworm, and Codling Moth	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest	2.2	3

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.