

**NOTICE OF PESTICIDE:**  REGISTRATION  
 REREGISTRATION

(Under the Feds: 1 Insecticide, Fungicide,  
and Rodenticide Act, as amended)

## NAME OF PESTICIDE PRODUCT

Elite Permethrin 13.3% EC  
for Plants

## NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Elite Chemical Corporation  
P.O. Box 1947  
Norcross, GA 30091

161/241344  
18/2

**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.

~~This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) 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. Add the phrase "EPA Registration No. 51793-194" to your label before you release the product for shipment.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (475040)

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Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

3/21/90

ELITE PERMETHRIN 13.3% E.C. FOR PLANTS

For Control Of Various Plant Pest Indoors, In Greenhouses, Lathhouses, and Interior Landscaping. For Use Outdoors Around Buildings, Homes, In Small Flower And Vegetable Gardens, And On Fruit, Nut And Ornamental Trees.

Recommeneded for use by commercial applicators.

ACTIVE INGREDIENTS:

*Permethrin (3-phenoxyphenyl)methyl (+) Cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane-carboxylate.....	13.30%
INERT INGREDIENTS:.....	86.70%
	100.00%

\*Cis/trans isomers ratio: Max: 35% (+) cis  
Min: 65% (+) trans

Contains 1 lb/gal (120g/l) of Permethrin

-----  
KEEP OUT OF REACH OF CHILDREN

WARNING

See Side Panels for Additional Precautionary Statements  
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MANUFACTURED BY:  
ELITE CHEMICAL CORPORATION, INC.  
P.O. BOX 1947, NORCROSS, GEORGIA 30091

EPA Est. No. 51793-GA-1

EPA Reg. No. 51793-

NET CONTENTS\_\_ OZ

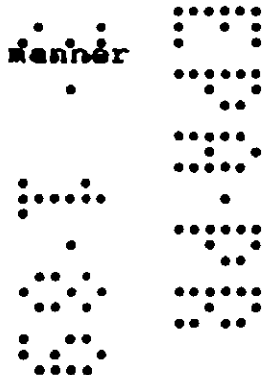
DIRECTIONS FOR USE

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

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Compare with COMMENTS in EPA Letter Dated:

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FOR USE ON ORNAMENTAL PLANTS, MIX WATER IN THE FOLLOWING MANNER:

FINISHED SPRAY	CONCENTRATE	WATER
0.015%	1 TEASPOON (5 ML)	1 GALLON (3.79 L)

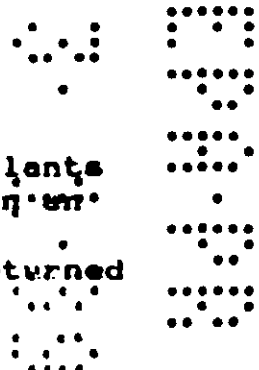
\*Note: Do not use more concentrate than recommended, as this may cause some plant injury. Use this dilution unless other instructions are given.

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

INDOORS: To protect plants in greenhouses and lathhouses, and 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            |
| 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            |
| DRACAENA        | PHILODENDRON     |                   |
| DUMBANE         | 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.



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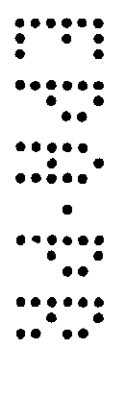
Use with care on ferns, palms and fuchsia. As with all plants listed above, especially carnations, chrysanthemums, and roses, there exists a wide variety of species and cultivars, and therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described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

FOR THE CONTROL OF LEAFMINERS ON CHRYSANTHEMUMS GROWN IN GREENHOUSES AND SLATHOUSES: To control the insect listed above, apply insecticide as a foliar spray only in accordance with the chart below. DO NOT USE AS SOIL DRENCH. USE SUFFICIENT WATER TO OBTAIN FULL COVERAGE OF ALL FOLIAGE. ADJUST SPRAY VOLUME TO PLANT SIZE. USE SPRAY INTERVALS OF 4 TO 8 DAYS. Timing and frequency of applications should be based upon insect populations reaching economic thresholds. Use the longer interval between sprays and lower application rate when population control has already been obtained and pressure is already declining due to initial application, and/or whenever preventive leafminer control is desired. High rate of application may be required under conditions of very heavy infestations and/or where local difficulty in control of leafminers has been reported. Application can be made to the day of harvest. Treated areas can be reentered after spray has dried.

MIXING INSTRUCTIONS

Prepare final spray solution by adding the required amount of concentrate to the mixing tank which has been prefilled with water to the 1/2 full mark. Add if desired the required amount of Plyac. Thereupon under agitation carefully mix while adding water until the spray tank is filled to its full mark or the desired spray volume. Use the final spray during the day of preparation.



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CHRYSANTHEMUM SPRAY RECOMMENDATIONS

TARGET PEST	LBS. A.I./100 GALS OF SPRAY FOR GROUND EQUIPMENT	NO. OF PINTS OF CONCENTRATE per 100 GALS OF SPRAY
Chrysan- themum	Normal 0.125 High 0.4	1 pint 3.2 pints
Vegetable Leafminers		

OUTDOORS: Use one teaspoon in one gallon of water.

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

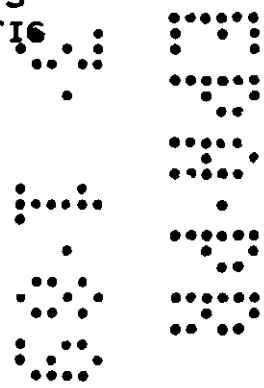
Spray in the late afternoon or evening, when the temperature ranges from 50 F to 75 F and when there is little or no wind. Spray at the first indication of insect pests. On those plants that will flower during the season, the spray schedule should be completed before blossom formation. Repeat as necessary; use intervals of 4 to 8 days. Application 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
- ARIZONA CYPRESS
- ASTER
- AZALEA
- BEGONIA
- COLEUS
- COMMON NINEBARK
- COMMON SNOWBERRY
- ELM
- EXACUM
- EUONYMOUS
- ENGLISH IVY

- GLADIOLUS
- GOLD BELLS
- HYPOESTES
- IVY
- LILAC
- MARIGOLD
- MOCK ORANGE
- NANNYBERRY
- ORCHID
- PALM
- PANSY

- PEA SHRUB
- PETUNIA
- PHILODENDRON
- POINSETTIA
- RHODODENDRON
- ROSE
- SNAPDRAGON
- TAXUS
- WAX PLANTS
- WEeping FIG
- ZINNIA



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/1000 sq ft (74 ml/93 sq m). 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, fleas, ticks, Japanese beetle grubs, grasshoppers, mole crickets and sod webworms, consult the following chart:

PESTS	DILUTION
armyworms	5 tap/10 gal water/1000 ft <sup>2</sup> (25 ml/38 L water/93 sq m)
cutworms	
chinch bugs	
Japanese beetle grubs	
mole crickets	
sod webworm	
ticks	2 tap/3 gal water/1000 ft <sup>2</sup> (10 ml/11.4 L water/93 sq m)
crickets	
grasshoppers	
ants	
fleas	

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.

FOR GROUND APPLICATION ON VEGETABLES  
For Backyard Vegetable Gardens Only

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

VEGETABLE	TARGET PEST	REMARKS	DILUTION USE RATE
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 tsp/gal  1 ml/L
(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 tsp/gal  1 ml/L
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 tsp/gal  2 ml/L

Cole Crops: Broccoli Brussels Sprouts, Cabbage Cauliflower	Beet Armyworm, Diamond Beck 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 tap/gal          1 ml/L
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 tap/gal       2 ml/L
Horseradish (Spring preplant dip)	Imported Crucifer Weevil	Soak sets for 30 minutes in 0.1% solution and air dry before plant- ing.	6.5 tap/gal       2.4 ml/L
(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 tap/gal       2 ml/L
Head Lettuce only (Do not use on Leaf Lettuce)	Cabbage Looper, Alfalfa Looper, Beet Armyworm, Corn Ear Worm, and Tobacco Bulworm	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 tap/gal       2 ml/L

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Potatoes	Beet Armyworm,	Apply as needed.	1.5
	Colorado Potato	Do not apply more	tsp/gal
	Beetle, Potato	than 12 applications.	
	Leafhopper,	Can be applied up	
	Potato Flea	to 7 days prior to	
	Beetle, Aster	harvest.	
	Leafhopper,		
	Potato Aphid,		
	Potato Tuber-		
	worm, Cabbage		
Looper, Cutworms,			
European Corn			
Borer, Potato		2	
Payllid, Tarnished		ml/L	
Plant Bug			
Peppers	Vegetable Leaf-	Apply as needed,	1.5
	miner,	but not more than	tsp/gal
	Cabbage Looper,	8 sprays per	
	Flea beetle,	season. Can be	
	Corn Earworm,	applied up to 3	
	Pepper Weevil	days prior to	2
	European Corn	harvest.	ml/L
Borer			

**DIRECTIONS FOR USE FOR GROUND APPLICATION ON VEGETABLES  
For Backyard Vegetable Gardens Only**

VEGETABLE	TARGET PEST	REMARKS	DILUTION USE RATE
Spinach	Beet Armyworm,	Apply for uniform	4.5
	Corn Earworm,	coverage when	tsp/gal
	Cabbage Looper,	needed but not	
	Cutworms,	more than 7	
	European Corn	applications per	
	Borer, Green	season. Can be	
	Cloverworm, and	applied up to 7	
Leafhoppers	days prior to	1	
	harvest.	ml/L	

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 1 day prior to harvest.	1.5 tsp/gal  2 ml/L
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 tsp/gal  2 ml/L

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FOR FRUIT AND NUT CROPS GROWN AROUND THE HOME  
For Ground Application Only

TREES (FRUIT OR NUT)	TARGET PEST	REMARKS	DILUTION USE RATE
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 tap/gal  3 ml/L
Apples	Plum Curculio, Redbanded Leaf- roller, Rosy- apple aphid, Spotted Tenti- form Leafminer, Tarnished Plant Bug, White Apple Leaf- hopper, Obliquebanded 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 tap/gal  3 ml/L
Peaches	Lesser Peach- tree 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 tap/gal  3 ml/L

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FRUIT AND NUT CROPS GROWN AROUND THE HOME  
For Ground Application Only

TREES	TARGET PEST	REMARKS	DILUTION USE RATE
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 end use spray. Do not make more than 2 applications per season.	2.2 tsp/gal  3 ml/L
(summer)	Pear Psylla, Green Fruit-worm, 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 tsp/gal 3 ml/L

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide Environment Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: For containers one gallon and under: Do not reuse empty container. Wrap and put in trash. For containers over one gallon: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State or local authorities.

PRECAUTIONARY STATEMENTS

WARNING

Hazards to Humans and Domestic Animals

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. Do not apply directly to any body of water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters

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 105 F (49 C).

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting. This product contains aromatic petroleum solvent. Aspiration may be a hazard.

IF INHALED: Remove person to fresh air. Apply artificial respiration if indicated.

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.

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