

Rev. # 554
PM 15
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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO. 3314-96	DATE OF ISSUANCE JUL 2 1986
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Colothrin Insecticide	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Colonial Products, Inc.
 1830 10th Avenue North
 Lake Worth, FL 33461

160, 162699
18/1

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.

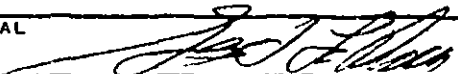
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or 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 changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 3314-96."
 - b. In the Environmental Hazard Statement, delete the statement, "Keep out of lakes, streams, etc." and replace it with the statement, "Do Not Apply Directly to Any Body of Water."
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.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL 	DATE 7/2/86
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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 (TS-767C)

Enclosures

Continuation of comment 2. on front page.

- 2.c. The use directions on your product label indicate that the product is intended for commercial use. Therefore, add "Recommended for Commercial Use" on the front panel of the label.
- d. The instructions for controlling fire ants are inappropriate. Therefore, delete fire ants from the label text.

COLOTHRIN INSECTICIDE CONCENTRATE

FOR CONTROL OF VARIOUS PLANT PESTS 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

ACTIVE INGREDIENTS:

*+ Permethrin (3-phenodiphenyl)methyl (†) Cis, trans-3-(2,2-dichloroethyeny)- 2,2-dimethylcyclopropanecarboxylate.....	13.30% w/w
INERT INGREDIENTS.....	86.70%
	<u>100.00% w/w</u>

*Cis/trans isomers ratio: min. 35% (†) cis and max. 65% (†) trans.
†U.S. Patent No. 4,024,163

PRECAUCION AL CONSUMIDOR: Si usted no lee Ingles, no use este products 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

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS AND
STATEMENT OF PRACTICAL TREATMENT

NET CONTENTA: (oz., gal.)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

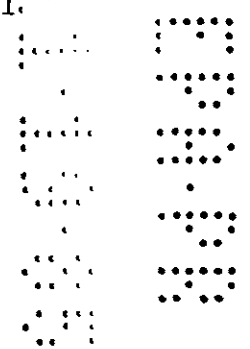
JUL 2 1986

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

LOT NO:
EPA REG. NO. 3314-

EPA EST. 3314-FL-1

COLONIAL PRODUCTS, INC.
1830 Tenth Avenue North
Lake Worth, FL 33461



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND 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.

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 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.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Keep out of lakes, streams or ponds, tidal marshes or estuaries. Apply this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

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

STORAGE AND 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 (Continued)

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

FINISHED SPRAY	COLOTHRIN	WATER
0.015%	1 teaspoon (5 ml)	1 gallon (3.79 l.)

*NOTE: Do not use more Colothrin 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 Emulsifiable Concentrate. USE SUFFICIENT SPRAY TO OBTAIN FULL COVERAGE OF ALL FOLIAGE. ADJUST SPRAY VOLUME USED TO PLANT SIZE.

INDOORS: To protect plants in greenhouses and lathhouses, and for indoor landscaping-Apply 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	Fuschia	Portulaca
Aster	Gladiolus	Pothos
Azalea	Grape Ivy	Prayer Plant
Baby's Breath	Hypoestes	Purple Passior
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	Peperomia	Verbena
Cyclamen	Petunia	Zinnia
Dracaena	Philodendron	
Dumbcane	Piggy-back Plant	

If application is to be made indoors, remove infested plants from living area 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.

DIRECTIONS FOR USE (Continued)

COLOTHRIN PERMETHRIN INSECTICIDE
FOR THE CONTROL OF LEAFMINERS ON CHRYSANTHEMUMS
GROWN IN GREENHOUSES AND SLATHOUSES

To control the insect listed above, apply 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 Colothrin Emulsifiable 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 to the desired spray volume. Use final spray during the day of preparation.

Crop	Target Pest	Lbs. a.l./100 gals. of spray for ground equipment	Number of pints of Colothrin EC per 100 gallons of spray
Chrysanthemums	Vegetable Leafminers	Normal 0.125	1 pint
		High 0.4	3.2 pints

OUTDOORS: USE ONE TEASPOON IN ONE GALLON OF WATER.

CONTACT AND RESIDUAL SPRAY- Apply a finished spray of Colothrin 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. 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	Gladolius	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	Nannyberry	Taxus	
Elm	Orchid	Wax plants	
Exacum	Palm	Weeping Fig	
Euonymous	Pansy	Zinnia	
English Ivy			

DIRECTIONS FOR USE (Continued)

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 honey-suckle; 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/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 (including fire ants), armyworms, chinch bugs, crickets, cutworms, Japanese beetle grubs, grasshoppers, mole crickets and webworms, consult the following chart:

PESTS	DILUTION
armyworms cutworms chinchbugs Japanese beetle grubs mole crickets	5 tsp/10 gal water/1000 ft ² (25 ml/38 L water/93 m ²)
crickets grasshoppers ants (including fire ants)	2 tsp/3 gal water/1000 ft ² (10 ml/11.4 L water 93m ²)

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 in two weeks.

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

Directions for Use (continued on next page)

DIRECTIONS FOR USE (Continued)

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

Prepare spray mix as directed in following chart.

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

Vegetable	Target Pest(s)	Remarks	Recommended 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 & 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 Black Moth, Imported Cabbageworm Cabbage-Aphis 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 Leafminer	Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest.	1.5	2

DIRECTIONS FOR USE (Continued)

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

Vegetable	Target Pest(s)	Remarks	Recommended Dilution Use Rate	
			Finished Spray tsp/gal	ml/liter
Horseradish (Spring Pre-plant 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 Leaf Hopper, 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, Flea-beetle, 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

DIRECTIONS FOR USE (Continued)

DIRECTIONS FOR HOME OWNER - BACKYARD
USE FOR GROUND APPLICATION OF
TREE FRUIT AND NUT CROPS GROWN AROUND THE HOME
For Ground Application Only

Trees (Fruit or Nut)	Target	Remarks	Recommended Dilution Use Rate Finished Spray	
			tsp/gal	ml/liter
Pears (dormant through delayed formant)	Pear Psylla	Apply during the dormant through delayed dormant growth period only. Add if desired 8 oz. of spray oil to each gallon of Colothrin 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

