2/2			
Please read instructions on reverse before completing form.	7/96 PM 13 16-141 95 1	16 xpires 2-28-95	
United States	Registration OPP Identifie		
EPA • Environmental Protection Washington, DC 2046		766	
Other			
Application for Pesticide - Section I			
1. Company/Product Number 16-141	2. EPA Product Manager LaRocca 3. Proposed Classification		
4. Company/Product (Name) DRAGON Thiodan Insect Spray	PM# X None Restricted		
5. Name and Address of Applicant (Include ZIP Code)	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)		
Dragon Corporation	(b)(i), my product is similar or identical in composition and la		
P. O. Box 7311 Roanoke, VA 24019	to: EPA Reg. No.		
Check if this is a new address Product Name			
Section - II			
Amendment - Explain below.	Final printed labels in response to Agency letter dated		
Resubmission in response to Agency letter dated	"Me Too" Application.		
X Notification - Explain below.	Other - Explain below.		
Explanation: Use additional page(s) if necessary. (For section I and Section II.)			
Notification of Administrative Amendment: Add marketing statement Notabel of record.			
	SCATION		
	2 h 100.		
	Section - III		
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging	Water Soluble Packaging 2. Type of Container		
Yes* Yes	Yes Metal Plastic		
No No	No		
* Certification must If "Yes" No. per Unit Packaging wgt. container	If "Yes" No. per Paper Other (Specify)		
be submitted	I I I I I I I I I I I I I I I I I I I		
3. Location of Net Contents Information 4. Size(s) Retail Container 5. Location of Label Directions On Label			
Label Container On Labeling accompanying product			
6. Manner in Which Label is Affixed to Product Lithograph Paper glued Stenciled			
Section - IV			
<u> </u>	of individual to be contacted, if necessary, to process this application.)		
Name Rebecca M. Horton	Title Regulatory & Sales Support Manager (540)362-3657	Area Code)	
Certification 6.º Date Application			
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			
2. Signature	3. Title	,,,,,,	
Regulatory & Sales Support Manager		, k , k + k +	
4. Typed Name 5	. Date		
Rebecca M. Horton	8/20/96		
EPA Form 8570-1 [Rev. 8-94] Previous editions are obsolete.	White - EPA File Conv. (criginal) Yellow -	Anglicant Con	

[FRONT PANEL]

DRAGON® THIODAN® INSECT SPRAY

Controls listed insects on vegetables, fruit & shade trees, ornamentals and flowers.

A broad-spectrum insect spray that kills over 60 listed insects on vegetables, fruits and ornamentals.

For outdoor use on the home garden only.

Kills the toughest garden pests!

Use on vegetables, fruit and shade trees, ornamentals and flowers.

[Note to EPA: Front panel of label may include graphics representing product use, e.g., insects controlled - Bean beetle, Colorado potato beetle, Aphid, etc.]

ACTIVE INGREDIENT:	BY WT.
• Endosulfan (hexachlorohexahydromethano-	
2,4,3-benzodioxathiepin 3-oxide)	9.9%
INERT INGREDIENTS:	90.1%
TOTAL:	100.0%
This product contains xylene range aromatic solvent.	
This product contains 3/4 lbs. endosulfan per gallon.	

Keep Out of Reach of Children DANGER

See back/side/other panel(s) for additional precautionary statements.

NET CONTENTS 8 OZ/1 PT/1 QT

[BACK/SIDE PANELS AND/OR BOOKLET]

PRECAUTIONARY STATEMENTS Hazards to Humans & Domestic Animals

DANGER: Corrosive! Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Wear goggles, a face shield, or safety glasses. May be fatal if swallowed, inhaled or absorbed through the skin. Do not breathe vapors or spray mist. Wash with soap and water after handling and before eating or smoking. Wash contaminated clothing with soap and hot water before reuse. Avoid contamination of feed and foodstuffs. Food utensils such as tablespoons must not be used for food purposes after use for measuring pesticides.

IMPORTANT: During mixing, loading and spraying, in addition to eye protection, wear unlined rubber gloves and a pesticide respirator jointly approved by the Mine Safety and Health Administration (MSHA) and the National Institute for Occupational Safety and Health (NIOSH) for protection against endosulfan.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention. IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

NOTE TO PHYSICIAN: Endosulfan is a central nervous system stimulant absorbable by mouth, inhalation, or through contact with the skin. It may cause convulsions. There is no specific antidote. Diazapam I.V. is the dring of choice. Barbituric acid derivatives such as Phenobarbital may be used additionally. A neuromuscular blocking agent

NOTIFICATION

EPA Reg. No. 16-141 August 20, 1996 EPA Est. 16-VA-1

may be used if convulsions persist. This type of drug may be used *only* if complete control of respiration can be maintained. Epinephrine derivatives are absolutely contraindicated.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water. Due to the risk of runoff and drift, do not apply within a distance of 300 feet of lakes, ponds, streams, and estuaries. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

PROTECT BEES: This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity between late evening and early morning.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame.

INSECTS CONTROLLED BY DRAGON® THIODAN INSECT SPRAY WHEN USED ACCORDING TO LABEL DIRECTIONS

Aphids Apple aphid Apple rust mite Armyworm Banded cucumber beetle Bean leaf skeletonizer Black bean aphid larvae Black cherry aphid Black peach aphid Blister beetle Blueberry bud mite Boxelder bug Cabbage aphid Cabbage flea beetle Cabbage looper Colorado potato beetle Cowpea curculio Cross-striped Crown mite Cucumber beetle cabbage worm Cutworm Cyclamen mite Diamond black moth Dogwood borer European corn borer larvae False chinch bug Flea beetles Green peach aphid Green stink bug Harlequin bug Imported cabbage worm Leaf-footed bug Hornworms Lesser peach tree borer Meadow spittlebug Melonworm Mexican bean beetle Omnivorous leaf roller Peach silvermite Peach tree borer Peach twig borer Pepper maggot Plum rust mite Pickleworm Potato flea beetle Potato psyllid Potato tuberworm Rindworms Rose chafer Rosy apple aphid Rusty plum aphid Squash beetle Squash bug Squash vine borer Stink bugs Strawberry aphid Striped flea beetle Sweet potato flea Tarnished plant bug Taxus budmite beetle Threelined potato beetle Tomato fruitworm Tomato russet mite Western bean cutworm Whitefly Yellow-striped armyworm Zimmerman pine moth

DIRECTIONS FOR USE

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

(SEE COMPLETE DIRECTIONS FOR USE IN ATTACHED PAMPHLET.)
READ ALL WARNINGS AND CAUTIONS ON THE LABEL BEFORE USING THIS PRODUCT.

FOR HOMEOWNER USE ONLY. In the garden, apply DRAGON® Thiodan Insect Spray when insects first appear and repeat as required to maintain effective control. Coverage of both upper and lower leaf surfaces is essential for good control. Approximately 1 gallon of dilute spray will be required per 100 feet of row. Follow the time intervals between last application and harvest indicated by number in parentheses () following the crop. If insect control is

EPA Reg. No. 16-141 August 20, 1996 EPA Est. 16, VA-1

required beyond the listed time interval, supplement the control program with other suitable DRAGON® pesticides.

CONVERSION TABLE: 3 tsp. = 1 Tablespoon (Tbs.) = ½ ounce (oz.)

VEGETABLES

BEANS (3 days): To control black bean aphid, bean leaf skeletonizer, cucumber beetle, green stink bug, Mexican bean beetle and western bean cutworm apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. Do not make more than 3 applications per year. Do not feed threshing or allow livestock to graze in treated fields. Do not use on lima beans that are to be removed from the field for commercial processing.

BROCCOLI and CABBAGE (7 days), BRUSSELS SPROUTS and CAULIFLOWER (14 days): To control cabbage aphid, cabbage looper, cross-striped cabbageworm, diamond-back moth larvae, flea beetle, harlequin bug, imported cabbageworm, stink bug, armyworms and cutworms apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. Do not make more than 4 applications per year.

CARROTS (7 days): To control aphids apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. Do not make more than 1 application per year. Do not use tops for food or feed.

CELERY: To control cabbage looper (4 days) - apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. Do not make more than 1 application per year. For green peach aphid (7 days) - apply 1 1/3 Tbs. (2/3 oz.) per gallon of water. Do not make more than 2 applications per year.

COLLARDS, KALE, MUSTARD GREENS, SPINACH (21 days): To control aphids, cabbage flea beetle, cabbage looper, diamond-back moth larvae, harlequin bug, imported cabbageworm and crown mite (on spinach), apply 2 Tbs. (1 oz.) per gallon of water. Do not make more than 1 application per year.

CUCUMBERS, PUMPKINS, MELONS, SUMMER and WINTER SQUASH (2 days): To control aphids, cucumber beetles, striped flea beetle, melonworm, pickleworm, rindworm (on watermelons), squash beetle, squash bug and squash vine borer apply 2 2/3 Ths. (1 1/3 oz.) per gallon of water. For vine borer control, apply weekly to flower buds, stems and vines beginning when moths first appear. For cabbage looper and omnivorous leaf roller on melons, apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. For all uses on these crops do not make more than 6 applications per year.

EGGPLANTS (1 day): To control Colorado potato beetle, flea beetle, aphids and whitefly apply 1 1/3 Tbs. (2/3 oz.) per gallon of water. Do not exceed 0.5 pounds active ingredient endosulfan per acre. Do not make more than 2 applications per year.

LETTUCE (14 days): To control aphids, cabbage looper, diamond-back moth larvae and imported cabbageworm, apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. Do not exceed 3 applications after thinning head lettuce and remove outside leaves at harvest. Do not exceed 2 applications per season on leaf lettuce. Do not feed crop refuse to livestock.

PEPPERS (4 days*): To control aphids, flea beetles, hornworms and pepper magget apply 1 1/3 to 2 2/3 Tbs. (2/3 to 1 1/3 oz.) per gallon of water. [*1 day pre-harvest interval if maximum of 1 1/3 Tbs. (2/3 oz.) per gallon of water is used.] Do not make more than 2 applications per year.

POTATOES (1 day): To control aphids, armyworms, Colorado potato beetle, stink bug, leaf-footed bug, potato flea beetle, potato leafhopper, potato tuberworm, potato psyllid, European corn borer, false chinch bug, three-lined potato beetle and whitefly apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. Do not plant root crops other than carrots; potatoes, sugar beets and sweet potatoes as follow-up crops. Do not make more than 6 applications per year.

SWEET POTATOES (1 day): To control sweet potato flea beetle apply 1 1/3 Tbs. (2/3 oz.) per gallon of water. Begin applications shortly after transplanting or as soon as flea beetles appear. To control banded cucumber beetle larvae (aids in control of, and for use in South Central states only), apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. Broadcast the spray and work into the soil to a depth of approximately 3 inches making a single treatment just prior to plant set. Do not feed treated potatoes to livestock or allow them to feed in treated areas. Do not make more than 3 applications per year.

TOMATOES (2 days): To control blister beetle, Colorado potato beetle, flea beetle and aphids apply 1 1/3 Tbs. (2/3 oz.) per gallon of water. To control hornworms, tomato russet mite, tomato fruitworm, yellow-striped armyworm, stink bug, cabbage looper and whitefly apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. For all uses, do not make more than 6 applications per year.

FRUITS & NUTS

APPLES (21 days): To control apple aphids, rosy apple aphids, apple rust mite, apply 1 1/3 Tbs. (2/3 oz.) per gallon of water and spray entire tree thoroughly. Do not feed pomace from treated apples to livestock. Do not exceed 2 applications during the fruiting period. Do not make more than 3 applications per year. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

BLUEBERRIES (postharvest): To control blueberry bud mite apply 1 2/3 Tbs. (4/5 oz.) in one gallon of water. Apply to bushes immediately after harvest and repeat 6 to 8 weeks later. Do not apply after buds are well formed. Do not make more than 2 applications per year.

CHERRIES (21 days): To control black cherry aphid, plum rust mite apply 1 1/3 Tbs. (2/3 oz.) per gallon of water and spray entire tree thoroughly. Do not make more than 2 applications per year. To control mineola moth in Michigan only, apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water at the delayed dormant stage. Do not make more than 2 applications per year. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

PEACHES, APRICOTS, NECTARINES (30 days): To control black cherry aphids, black peach aphid, green peach aphid, peach twig borer, rusty plum aphid and peach silvermite apply 1 1/3 Tbs. (2/3 oz.) per gallon of water and spray entire tree thoroughly. To control catfacing insects (stink bug type) apply 1 1/3 Tbs. (2/3 oz.) per gallon of water. Apply at petal fall and at shuck-off. To control peach tree borer and lesser peach tree borer, apply 2 Tbs. (1 oz.) per one gallon of water. Spray thoroughly to cover all bark areas from ground to scaffold limbs. For lesser peach tree borer, thoroughly wet trunk and main branches. Best control is obtained with a single application to the trees after harvest during the first week of September. For all uses, do not make more than 2 applications per year. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

PECANS: To control black pecan aphid apply 1 1/3 Tbs. per gallon of water. Do not apply after shuck split. Do not graze livestock on orchard crops or grasses in treated areas.

PLUMS, PRUNES (7 days): For control of peach tree borer and lesser peach tree borer, follow directions above. Do not make more than 2 applications per year. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

PUMPKINS (1): To control aphids, cucumber beetles, squash vine borer, striped flea beetle apply 2 2/3 Tbs. (1 1/3 oz.) per gallon of water. For squash vine borer, apply weekly to flower buds, stems and vines beginning when moths first appear. Do not apply within one day of harvest.

STRAWBERRIES (4 days): To control cyclamen mite, apply 5 1/3 Tbs. (2 2/3 oz.) in 3 gallons of water applied to 100 feet of row. Do not reapply within 35 days when fruit is present. To control meadow spittle bug, strawberry aphids and tarnished plant bug, apply 2 2/3 Tbs. (1 1/3 oz.) in 1 1/2 gallons of water applied to 100 feet of row. Do not reapply within 15 days or more than twice within a 35 day period when fruit is present. Do not make more than 3 applications per year.

ORNAMENTALS & FLOWERS

OUT OF DOORS: To control aphids, cyclamen mites, whitefly and rose chafer, apply 1 1/3 Tbs. (2/3 oz.) per gallon of water. On chrysanthemums best results will be obtained if applied before plants flower. DO NO T'arply to "Bonnafon Deluxe," "Fred Shoesmith," and "White Knight" chrysanthemums as injury may result.

EPA Reg. No. 16-141 August 20, 1996

SHADE TREES (except birch), SHRUBS: To control aphids apply 1 1/3 Tbs. (2/3 oz.) per gallon of water. DO NOT use on birch trees.

PINE (Austrian, Jack, Red, Scotch, White): To control Zimmerman pine moth, apply 2 Tbs. per gallon of water. Apply in mid-April and again if necessary in late fall. Thoroughly wet bark and main stem, especially where branches join main stem.

DOGWOODS: To control Dogwood borer, apply 1 1/3 Ths. (2/3 oz.) per gallon of water. Apply to trunk and lower limbs in May and June before borers enter the trunk. Apply thoroughly, particularly to injured areas and old borer wounds. Repeat applications 2 to 3 times at 10 day intervals.

BOX ELDER: To control boxelder bug apply 1 1/3 Tbs. (2/3 oz.) per gallon of water. Spray foliage and trunk when insects first appear. Repeat as required in late summer or fall. Spray trunks, outside walls, fences and other places where bugs congregate.

TAXUS: To control taxus bud mite, apply 1 1/3 Ths. (2/3 oz.) per gallon of water. Make 3 to 5 applications beginning in mid-May. Thoroughly spray foliage, twigs, and bark.

STORAGE & DISPOSAL

STORAGE: Store in original container in an area inaccessible to children and pets. Do not use or store near heat or open flame. Do not store near feed or foodstuffs.

PESTICIDE DISPOSAL: Product remaining in original container should be disposed of by securely wrapping original container in several layers of newspaper and discarding in trash.

CONTAINER DISPOSAL: Do not reuse empty container. Securely wrap in newspaper and discard in trash.

NOTICE: Buyer assumes all risks of use, storage or handling of this material not in strict accordance with DIRECTIONS FOR USE and PRECAUTIONARY STATEMENTS stated on this label (and attached pamphlet).

Thiodan® is a registered trademark of Canadian Hoechst, Ltd., U.S. Patent No. 2,799,685.

Distributed by DRAGON CORPORATION Roanoke, VA 24019

EPA Reg. No. 16-141 August 20, 1996

EPA Est. 15 VA-1