

JUL 10 1990

Mr. Richard Boyd
Ford's Chemical & Service, Inc.
3741 Red Bluff, Suite 200
Pasadena, TX 77504

Subject: Amendments Revise per Diazinon Registration Standard
and the Agency's May 1, 1990 Data Call-In letter
to reflect only those uses supported by Ciba-Geigy;
Delete indoor use
Ford's Diazinon 25a
EPA Reg. No. 10370-38
Your submission dated June 13, 1990

Dear Mr. Boyd:

The amendments referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, are acceptable provided the following revisions are made prior to release for shipment under the amended labeling:

- 1) All the handwritten revisions and deletions indicated on the submitted label must be incorporated in the finished label. The correct minimum type sizes must be used for appropriate label elements.
- 2) Revise "Active Ingredients" to "Active Ingredient", since there is only one.
- 3) In the newly revised directions for "Nuisance Pests Outside the Home" (indicated as "Insert 1" on your submission), the mixing instructions "Mix 6 fl. oz. in 3 gallons of water" should appear as a separate paragraph so that it will pertain to both paragraphs that follow. Also, in this same section, delete "and ceilings" from "porch and patio walls and ceilings. Such use, especially if applied to runoff, could result in pesticide "raining" down on the applicator and into the eyes.

A stamped copy of the label is enclosed for your records. Please submit five (5) copies of the revised amended label prior to release for shipment under the amended label.

Please refer to the Diazinon Registration Standard, as amended, for release for shipment and channels of trade dates for diazinon products bearing appropriately amended labels.

It is noted that the name on the submitted label "Ford's Diazinon 25%" is that of an approved additional brand name rather than the current master name of record for this product: "Ford's Diazinon 25E ". Please note that labeling submitted for Agency approval should bear the master name of record, not an additional brand name. If you wish to change the master name of the product to "Ford's Diazinon 25%", please so notify us in writing. If such a change is not your intention, then please ensure that the revised finished labels that you submit bear the current master product name.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

ford's

DIAZINON 25%

This product must not
be used on golf courses
and sod farms.

Protects

Lawns
Vegetables
Fruits & Nuts
Roses
Flowers
Trees
Shrubs

Controls

Ants, Aphids
Chinch Bugs
Cutworms
Fire Ants†
Flea Beetles
Grubs, Mites
Sod Webworms
and many others

†Aids in control.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 10 1990

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

10370-38

Active Ingredients:

Diazinon: O,O-Diethyl O-
(2-isopropyl-6-methyl-

4-pyrimidinyl) phosphorothioate 25.0%

Inert Ingredients*: 75.0%

Total: 100.0%

*Contains xylene range aromatic solvent.

Spray concentrate. Contains
diazinon insecticide.

KEEP OUT OF REACH OF CHILDREN.

WARNING

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DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of the Seller. All such risks shall be assumed by the Buyer.

SELLER warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. SELLER makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of SELLER.

DIRECTIONS FOR USE

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

General Information

THIS PRODUCT is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section "How to Mix and Apply." This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts, and insects which annoy pets and people. (REFER TO LABEL/DIRECTIONS/IN/BOOKLET/UNDER CAP FOR SPECIFIC/INSECTS/CONTROLLED/AND/COMPLETE DIRECTIONS FOR USE.)

Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. D·z·n works fast and ~~remains effective for an extended period of time.~~

applications should be repeated only as directed to maintain control.

Notes: (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. SEE "STORAGE AND DISPOSAL" DIRECTIONS. (2) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since injury may occur. (4) Do not use on commercially-grown potatoes which will be hand-harvested. (5) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties.

Precautions: 1) Wear a long-sleeved shirt and long-legged pants when spraying. 2) Spray with the wind to your back. 3) Do not spray on windy days. 4) If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

(2) Do not use in the house

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How to Mix and Apply:

Step #1: Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.

Step #2: Use clean sprayer. Carefully measure and mix the amount of *PRODUCT* and water as suggested in the rate chart.

Step #3: Spray as directed in rate chart. Thorough coverage is important. Flush sprayer with clean water after each use.

See chart for complete insect list. Use rates shown unless otherwise indicated.

$1\frac{1}{2}$ ³tablespoon = $1\frac{1}{2}$ teaspoons
1 fl. oz. = 6 teaspoons or 2 tablespoons
6 fl. oz. = $\frac{3}{4}$ cup
~~3 $\frac{3}{4}$ teaspoons~~ in 3 gals. of water = $1\frac{1}{4}$ ²teaspoon in 1 gal.
of water or ~~3 $\frac{3}{4}$ ozs.~~ in 18 gals. of water

2 tablespoons *W/V* 60z.

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Lawn Pest Control

Use on Beap, Bermuda, Bluegrass, Dichondra, Fescue, Merion and St. Augustine grass.

To control pests listed below, apply recommended rates. ~~For~~ control of Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (Collembola), which are commonly found near the house and may enter the house, spray a 5-ft. band of soil around the house, as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping of sprays. ~~If~~ waterfowl, i.e., ducks, geese can be expected to ~~enter~~ the treated area after treatment (except spot treatments), water lawn with at least 1/4 inch water immediately after application, ~~however, stop~~ watering before puddling occurs. *Spraying this product.*

When irrigation is recommended in the directions of

Pests	Rate		Remarks
	PRODUCT <i>1 1/2 TABLETS</i>	Water	
Lawn Chinch Bugs	3-3 1/4 tea- spoons per 125 sq. ft. or 4 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Thoroughly wet down grass a few hours before applying. Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns. In the North, if Chinch Bugs are the only problem, a lower rate of application can be used: 3 teaspoons in 3 gals. of water covers 125 sq. ft. or 4 fl. ozs. in 24 gals. of water per 1000 sq. ft.

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Pests	Rate		Remarks
	PRODUCT	Water	
<i>Bermuda grass mites</i> → Ants, Armyworms, Clover Mites, Springtails (Collembola), Crickets	3 1/2 ^{1 1/2} Tablespoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Thoroughly wet down grass a few hours before applying. <i>For ants and digger wasps</i> #4 Spot spray ant hills and wasp ground nest openings.
<i>Leafhoppers</i> → Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs (Pill bugs)	3 3/4 ^{1 1/2} tea- spoons ^{Tablespoons} per 125 ¹²⁵ sq. ft. or 5 ⁶ fl. ozs. per 1,000 ^{1,000} sq. ft.	3 ⁴ gals. 24 ²⁴ gals.	#4 For frit flies, mow grass and water well before treatment, but delay application until grass is dry. For digger wasps, apply at dusk, when wasps are not active.
<i>6 fl. ozs.</i> → Brown Dog Ticks, Bermudagrass Mites, Chiggers, Fleas, Leafhoppers	^{1 1/2} Tablespoons per 125 sq. ft. or 1 1/2 ⁶ fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	1 1/2 ^{1 1/2} tea- spoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Thoroughly wet grass a few hours before applying.
Rhodesgrass Scales	1 1/2 ^{1 1/2} Tablespoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Apply when crawlers first emerge.

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Bill bugs
notes
from
page

Pests	Rate		Remarks
	PRODUCT	Water	
Billbugs, White Grubs of Japanese Beetle, European Chafer, Southern Chafer	1 1/2 ^{1 1/2} Tablespoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Water grass thoroughly after application. Grub control: Apply any time between late July and early October. Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.
Hyperodes Weevil	4 ^{1 1/2} Tablespoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Water grass... thoroughly after application... Treat problem areas in mid-April and again in mid-May.
Boxelder Bugs	1 3/4 ^{1 3/4} tea-spoons per 125 sq. ft. or 5 tablespoons per 1,000 sq. ft.	3 gals. 24 gals.	Spray bugs outside the home and thoroughly spray around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

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Nuisance Pests in Outside Areas

Ants*, Boxelder Bugs, Brown Dog
Ticks*, Chiggers, Clover Mites*,
Cockroaches, Crickets*, Earwigs*,
Fleas*, Flies*, Millipedes*,
Sowbugs (Pillbugs)*, Spiders,
Springtails (Collembola)*

Insert 1

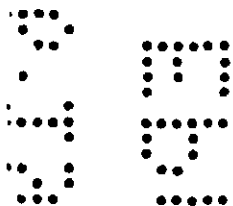
Mix 6 fl. ozs. in 3 gals. of
water. Thoroughly spray window
and door screens, sills,
foundations, porch and patio
walls and ceilings, entrance-
ways, walks, garbage cans, tree
trunks, and into cracks and
other places where insects can
hide.

Do not treat plants or
animals. *Do not treat plants other
than tree trunks at this nuisance pest
rate.*
*Spray a 5 ft. band of soil
around the house next to the
foundation and spray the
foundation of the house to a
height of 2-3 ft.

Fire Ants

To aid in the control of fire
ants in lawns and other
recreational areas, apply:
2 tablespoons in a minimum of
1 gal. of water, as a drench.
Apply over and 6 inches around
each mound. Apply gently to
avoid disturbing ants. Reapply
as necessary. Larger
quantities of solution can be
prepared for multiple mound
treatments. Use equipment
capable of delivering the
diluted product as a gentle
rain at the rate of 1 gal. per
mound. High pressure sprays
may disturb the ants and cause
migration, reducing product
effectiveness.

Note: For best results, apply
in cool weather; 65-80°F, or in
early morning or late evening
hours. Treat new mounds as
they appear.



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Insert 1

Nuisance Pests in Outside Areas

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (pillbugs), Spiders, Springtails (Collembola)

Mix 6 fl. ozs. in 3 gals. of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceilings, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide.

To prevent entry into houses, spray a five-foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet. Repeat application as necessary.

Insect Control on Trees, Shrubs and Flowers

Trees & Shrubs	Insects	Rate per 3 gals. of water	Timing/Special Directions
Arborvitae, Azalea, Birch, Boxwood, Camellia, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leaf- miners (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Twospotted Spider), Obscure Root Weevils, Omnivorous Leaf- tiers, Scale Crawlers, (Cottonycushion, Eynonymous, Lecanium, Pine Needle, Pit Scale, San Jose, Soft)	4 1/2 teaspoons 2 Tablespoons	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
	Webworms (Juniper, Whiteflies <i>Mimosa</i>)	4 1/2 teaspoons 2 Tablespoons	Apply as a thorough foliar spray. Mimosa Webworms: Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.

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Insect Control on Trees, Shrubs and Flowers

<u>Trees & Shrubs</u>	<u>Insects</u>	<u>Rate per 3 gals. of water</u>	<u>Timing/Special Directions</u>
Arborvitae, Azalea, Birch, Boxwood, Camellia, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Orna- mental X Plum, Poplar, Rhododendron, Spruce, Willow (Continued)	Apple and Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall)	3-4 Tbsp. 2 Tablespoons	Apply as a thorough foliar spray.

Roses and Flowers

Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Eunonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Twospotted Spider), Thrips, Whiteflies	1-2 Tbsp. 2 Tablespoons	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.
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Fruits and Nuts

Start spraying after blooming. Applications should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first noted.

Observe stated time intervals between last application and harvest of the crop, as well as intervals between applications and total number of applications that can be made per season.

Crop	PHI*
Almonds	45
Apples	14
Apricots	10
Blackberries	7
Boysenberries	7
Cherries	10
Cranberries	7
Dewberries	7
Grapes	18
Loganberries	7
Nectarines	10
Peaches	20
Plums	10
Prunes	10
Raspberries	7
Strawberries	5
Walnuts	45

*PHI = Pre-Harvest Interval,
or the number of days
between the last appli-
cation and harvest.

Note: To protect bees, do not apply to fruit trees when trees or substantial numbers of weeds around the trees are in bloom.

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Crop	Pest	Rate <i>2 Tablespoons</i>	Timing/Special Directions
Almonds (CA only) <i>San Jose scale, Parlatoria scale,</i>	Aphids, Scale, Crawlers, Spider Mites, Twig Borers	4 1/2 tea- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season 14 days apart. This product may be used on almonds only in California. Do not apply after husks open or split. Do not apply within 45 days of harvest. Do not use this product on almonds grown in other states.
Apples <i>Delete EC's not supported on Golden and Pear</i>	Aphids, Codling Moths, Eyespotted Bud Moths, Fruittree Leaf- rollers, Leaf- hoppers, Tentiform Leafminers (pears), Maggots, (apples), Mealybugs, Mites (European Red, Clover [brown], Pacific Twospotted Spider), Scale (pears) Scale, Crawlers, Cottony- cushion, San Jose, Forbes, Soft)	4 1/2 tea- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season a minimum of 14 days apart. On apples, slight russeting may occur on some varieties such as Golden Delicious. Do not apply within 14 days of harvest.

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