

Reg No - 59639-26

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126,897
42

1984

20 AUG 1984

Chevron Chemical Co.
940 Hensley St.
Richmond, CA 94804

Gentlemen:

Subject: Orthene 75S Soluble Powder
EPA Registration No. 239-2418 → Transferred to 59639-26
Your Application Dated August 6, 1984

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add to the label the wording below before you release the product for shipment bearing the amended labeling:

This pesticide is toxic to birds. Applications may adversely effect birds in treated areas. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or soil-incorporate spills.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

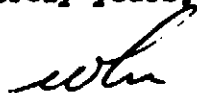
CONCURRENCES							
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A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



William H. Miller
Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (7S-767)

Enclosure

RD/IRB:MILLER:DCR-29719:WANG-0100K:vgr:Raven:479-2013:8/14/83 DEL 8/25

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. If swallowed, give a large amount of water to drink, make person vomit and call a doctor. In case of eye contact, wash eyes with fresh water for 15 minutes. If irritation continues, see a doctor. Wash hands thoroughly after handling.

Note to Physicians: Emergency information: call (415) 233-3737. Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2 PAM may also be used in conjunction with atropine but should not be used alone.

ENVIRONMENTAL HAZARDS

Do not apply directly to water.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

REENTRY STATEMENT

Keep all unprotected persons out of operating areas until dry, where there may be drift. Do not enter treated areas without protective clothing until sprays have dried. Certain states may require more restrictive reentry intervals. Consult your State Department of Agriculture for further information. **Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.**

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Protect from excessive heat. Do not contaminate food or foodstuffs. Do not store or transport near feed or food. For help with any spill, leak, fire or exposure involving this material, call day or night, (415) 233-3737.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Do not reuse container. Dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drums are contaminated and cannot be reused, dispose of in the same manner.

DIRECTIONS

Table of Equivalents

Amount of ORTHENE 75 S Soluble Powder	1 1/2 lbs	1 lb	3/4 lb	4 oz	2 oz
Amount Active Contained	1 lb	3/4 lb	1/2 lb	1.5 lb	1.10 lb

BEANS AND LIMA BEANS (Dry and Succulent forms): Fleashoppers, Grasshoppers. Apply 1/2 to 1/3 lb per acre. Aphids, Bean Leaf Beetle, Bean Leafhopper, Cabbage Looper, Cutworms, Green Cloverworm, Leafhoppers, Mexican Bean Beetle, Planthopper (Lygids), Soybean Looper, Thrips, Whitefly. Apply 1/2 to 1 1/2 lbs per acre. Armyworms, Corn Earworm, European Corn Borer. Apply 1 to 1 1/2 lbs per acre. Use higher rates under severe insect infestation conditions. Apply in 20 to 100 gals. of water per acre with ground sprayers or in a minimum of 2 gals. by air. Apply at 7 to 10 day intervals or as needed. Begin applications when eggs or insects first appear. Do not apply to snapbeans or dry beans within 14 days of harvest. Lima beans harvested in succulent form may be treated up to the day of harvest. Do not feed treated vines.

BRUSSELS SPROUTS, CAULIFLOWER: Cabbage looper, diamondback moth, imported cabbage-worm. Apply 1 1/2 lbs per acre. Green peach aphid. Apply 1/2 to 1 1/2 lbs per acre. Apply in water at 25 to 150 gals. spray acre by ground or a minimum of 5 gals. spray/acre by air. The high rate should be used when heavy infestations of aphids are present. Begin applications when insects or eggs first appear. Repeat as needed. Do not apply more than 8 lbs. per acre per season to Brussels Sprouts. Do not apply within 14 days of harvest. Do not feed trimmings to livestock or allow animals to graze in treated areas.

CELERY: Green Peach Aphid. Apply 1/2 to 1 1/2 lbs. per acre. Beet and Fall Armyworms and Cabbage Looper. Apply 1/2 to 1 lb. per acre. Apply in 50 to 100 gals. water per acre with ground sprayers or in a minimum of 5 gals. per acre by air. Begin applications when eggs or insects appear and repeat at 3 to 10 day intervals as needed to maintain control. Do not apply within 21 days of harvest. Plants should be trimmed (tops removed) before shipping or use. Tops should not be used for food or feed.

COTTON: Armyworms and Cabbage Looper. Apply 1 1/2 lbs. per acre. Planthopper (Lygids). Apply 1/2 to 1 1/2 lbs. per acre. Fleashopper. Apply 1/2 lb. per acre. Whitefly. Apply 1/2 to 1 1/2 lbs. per acre. Thrips. Apply 2 to 4 oz. per acre. Begin applications when eggs or insects appear and apply as needed to maintain control. **Beltworm and Tobacco Budworm (Florida, Alabama, Georgia, Arkansas, Louisiana, Mississippi and Texas Only):** Apply 1/2 lb. per acre in early season under light infestations. Increase the rate to 1 to 1 1/2 lbs. in mid and late season as infestations become moderate to severe (California and Arizona Only). Apply 1 1/2 lbs. per acre. Begin applications when beltworm and tobacco budworm eggs appear in the field and maintain a 3 to 7 day spray schedule. Apply in 10 to 25 gals. water with ground equipment or in 3 to 10 gals. with aerial equipment in Southern States and in 5 to 10 gals. water with aerial equipment in California and Arizona. Do not apply within 21 days of harvest. Do not feed gun trash to livestock or allow animals to graze on treated areas.

HEAD LETTUCE (Crisphead Type Only): Green Peach Aphid. Apply 1/2 to 1 1/2 lbs. per acre. Cabbage Looper and Armyworms. Apply 1 1/2 lbs. per acre. Apply in 10 to 50 gals. of spray mix by ground as broadcast application or in 5 to 10 gals. of spray mix by air. Apply as necessary to maintain desired control. Do not apply more than 6 1/2 lbs. per acre per season. Do not feed trimmings to livestock or allow animals to graze on treated areas. For spring, summer and early fall crops in all areas and winter crops in Florida and Texas do not apply within 21 days of harvest. For late fall crops in Arizona and winter crops in Florida and California do not apply within 21 days of harvest except that for crops which germinate from mid September through November in desert areas, do not apply after first head begins to form.

PASTURE, RANGELAND, WASTELAND: Grasshoppers. Apply 1/2 to 1 1/2 lb. 10 094 to 8 125 lb active ingredient per acre in a minimum of 1/2 gal. spray solution by air or 10 to 20 gallons per acre with ground equipment. ORTHOTROL or NALCO TRDI[®] may be added to aid in controlling drift and reducing evaporation of aerial sprays. Use the higher rate of ORTHENE 75 S Soluble Powder in thicker vegetation or on larger insects. Do not apply when lactating dairy cattle are present. Do not pasture or feed treated hay to lactating dairy cattle within 21 days after application. Do not remove hay from treated area within 21 days after application. Remove most animals from treated areas at least 1 day before slaughter if they were present at application or grazed treated areas within 21 days after application. Do not make more than 1 application per season.

PEANUTS: Grasshoppers. Apply 1/2 to 1/3 lb. per acre. Thrips. Apply 1/2 to 1 lb. per acre. Corn Earworm, Fall Armyworm, Leafhoppers, Looper, Velvetbean Caterpillar. Apply 1 to 1 1/2 lbs. per acre. Apply in 10 to 50 gals. water per acre with ground equipment or in 5 to 10 gals. water per acre by air. Begin applications when insects first appear and repeat as needed to maintain control. Do not apply within 14 days of digging. Do not feed treated forage or hay to livestock or allow animals to graze treated areas.

PEPPER, PEPPERMINT, SPEARMINT: Aphids, Looper, Cutworms, Aphids. Apply 1 1/2 lbs. per acre in 20 to 100 gals. of spray mix by ground or in 5 to 10 gals. of spray mix by air. Begin applications when eggs or insects first appear. Make one repeat application, if necessary, to maintain control. Do not apply more than twice per season. Do not apply within 14 days of harvest.

SOYBEANS: Grasshoppers. Apply 1/2 to 1/3 lb. per acre. Soybean Looper, Cabbage Looper, Green Cloverworm, Velvetbean Caterpillar, Bean Leaf Beetle, Mexican Bean Beetle. Apply 1/2 to 1 1/2 lbs. per acre. Stinkbugs, Armyworms, Threecornered Alfalfa Moth, Corn Earworm. Apply 1 to 1 1/2 lbs. per acre. Apply in 10 to 50 gals. of water with ground equipment or in 2 to 10 gals. with aerial equipment. Apply as needed but do not apply within 14 days of harvest. Do not graze or cut vines for hay or forage.

SWEET PEPPERS (Bell Type): Grasshoppers. Apply 1/2 to 1/3 lb. per acre. Cabbage Looper, Green Peach Aphid, Tobacco Hornworm. Apply 1/2 to 1 1/2 lbs. per acre. European Corn Borer. Apply 1 to 1 1/2 lbs. per acre. Apply in 25 to 150 gals. water per acre with ground equipment or a minimum of 3 gals. per acre by air. Begin applications when eggs or insects appear and apply as needed until insects have been reduced below economic numbers. Do not apply within 7 days of harvest.

Do not apply under conditions involving possible drift to food, forage or other plants that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

NOTE: This product is sold by weight and package is full when packed but due to fluffy nature this material is inclined to settle.

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

NALCO TROL[®] Reg. TM of Nalco Chemical Co.

Chevron Chemical Company © 1984
Ortho Agricultural Chemicals Division
San Francisco CA 94170-7144 Richmond CA 94804 0036
R Form 9155 H2 Product 5332 Made in U.S.A.
EPA Reg. No. 239 2418 AA

BEST AVAILABLE COPY

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pphate is a chok-
quine is antidotal
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istent with its labeling
DITIONARY STATEMENTS
MULATIONS

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AL

cleaning of equipment

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1b	1/2 lb	4 oz	2 oz
1b	1/2 lb	1.5 lb	1.10 lb

pphate, Greenhoppers — Apply 1/2 to 1 lb per acre. Cabbage Looper, Cutworms, Green n (Lygus), Soybean Looper, Thrips, Brown, European Corn Borer. Ap-
ect infestation conditions. Apply in
a minimum of 2 gals. by air. Apply
hen eggs or insects first appear. Do
reest. Lima beans harvested in suc-
nt feed treated vines

at 15 to 150 gals. spray/acre by ground or a minimum of 5 gals. spray/acre by air. The high rate
should be used when heavy infestations of aphids are present. Begin applications when insects
or eggs first appear. Repeat as needed. Do not apply more than 8 lbs. per acre per season to Brus-
sels Sprouts. Do not apply within 14 days of harvest. Do not feed trimmings to livestock or allow
animals to graze in treated areas.

CELERY — Green Peach Aphid — Apply 1/2 to 1 1/2 lbs. per acre. Beet and Fall Armyworms and Cabb-
age Looper — Apply 1 1/2 lbs. per acre. Apply in 50 to 100 gals. water per acre with ground sprayers
or in a minimum of 5 gals. per acre by air. Begin applications when eggs or insects appear and
repeat at 3 to 10 day intervals as needed to maintain control. Do not apply within 21 days of
harvest. Plants should be trimmed (tops removed) before shipping or use. Tops should not be
used for food or feed.

COTTON — Armyworms and Cabbage Looper — Apply 1 1/2 lbs. per acre. Pinkbush (Lygus) — Ap-
ply 1/2 to 1 1/2 lbs. per acre. Fleahopper — Apply 1/2 lb. per acre. Windmill — Apply 1/2 to 1 1/2 lbs.
per acre. Thrips — Apply 2 to 4 oz. per acre. Begin applications when eggs or insects appear
and apply as needed to maintain control. Bollworm and Tobacco Budworm (Florida, Alabama,
Georgia, Arkansas, Louisiana, Mississippi and Texas Only) — Apply 1/2 lb. per acre in early sea-
son under light infestations. Increase the rate to 1 to 1 1/2 lbs. in mid and late season as infes-
tations become moderate to severe. (California and Arizona Only) — Apply 1 1/2 lbs. per acre. Begin
applications when bollworm and tobacco budworm eggs appear in the field and maintain a 3
to 7 day spray schedule. Apply in 10 to 25 gals. water with ground equipment or in 3 to 10 gals.
with aerial equipment in Southern States and in 5 to 10 gals. water with aerial equipment in
California and Arizona. Do not apply within 21 days of harvest. Do not feed gin trash to live-
stock or allow animals to graze on treated areas.

HEADLETFUCE (Cruciferae Type Only) — Green Peach Aphid — Apply 1/2 to 1 1/2 lbs. per acre. Cabb-
age Looper and Armyworms — Apply 1 1/2 lbs. per acre. Apply in 10 to 60 gals. of spray mix by
ground as broadcast application or in 5 to 10 gals. of spray mix by air. Apply as necessary to
maintain desired control. Do not apply more than 6 1/2 lbs. per acre per season. Do not feed
trimmings to livestock or allow animals to graze on treated areas. For spring, summer and early
fall crops in all areas and winter crops in Florida and Texas do not apply within 21 days of har-
vest. For late fall crops in Arizona and winter crops in Arizona and California do not apply within
21 days of harvest except that for crops which germinate from mid September through No-
vember in desert areas, do not apply after first head begins to form.

PASTURES, RANGELAND, WASTELAND — Greenhoppers — Apply 1/2 to 1 1/2 lbs. (0.094 to 0.125 lb.
active ingredient) per acre in a minimum of 1/2 gal. spray solution by air or 10 to 20 gallons per
acre with ground equipment. ORTHOTROL or NALCO TROL may be added to aid in control-
ling drift and reducing evaporation of aerial sprays. Use the higher rate of ORTHENE 75 S Sol-
uble Powder in thicker vegetation or on larger insects. Do not apply when lactating dairy cattle
are present. Do not pasture or feed treated hay to lactating dairy cattle within 21 days after
application. Do not remove hay from treated area within 21 days after application. Remove meat
animals from treated areas at least 1 day before slaughter if they were present at application
or grazed treated areas within 21 days after application. Do not make more than 1 application
per season.

PEANUTS — Greenhoppers — Apply 1/2 to 1 1/2 lbs. per acre. Thrips — Apply 1/2 to 1 lb. per acre. Corn
Earworm, Fall Armyworm, Leafhoppers, Looper, Voleworm Caterpillar — Apply 1 to 1 1/2 lbs. per
acre. Apply in 10 to 50 gals. water per acre with ground equipment or in 5 to 10 gals. water per
acre by air. Begin applications when insects first appear and repeat as needed to maintain
control. Do not apply within 14 days of digging. Do not feed treated forage or hay to livestock
or allow animals to graze treated areas.

PERENNIAL SPEARMINT — Alfalfa Looper, Cutworms, Aphids — Apply 1 1/2 lbs. per acre in 20 to
100 gals. of spray mix by ground or in 5 to 10 gals. of spray mix by air. Begin applica-
tions when eggs or insects first appear. Make one repeat application, if necessary, to maintain control. Do
not apply more than twice per season. Do not apply within 14 days of harvest.

SOYBEANS — Greenhoppers — Apply 1/2 to 1 1/2 lbs. per acre. Soybean Looper, Cabbage Looper, Green
Cutworms, Voleworm Caterpillar, Bean Leaf Beetle, Mexican Bean Beetle — Apply 1/2 to 1 1/2
lbs. per acre. Pinkbush, Armyworms, Threecornered Alfalfa Hopper, Corn Earworm — Apply 1
to 1 1/2 lbs. per acre. Apply in 10 to 50 gals. of water with ground equipment or in 2 to 10 gals. with
aerial equipment. Apply as needed but do not apply within 14 days of harvest. Do not graze or
cut vines for hay or forage.

SWEET PEPPERS (Bell Type) — Greenhoppers — Apply 1/2 to 1 1/2 lbs. per acre. Cabbage Looper, Green
Peach Aphid, Tobacco Hornworm — Apply 1/2 to 1 1/2 lbs. per acre. European Corn Borer — Apply
1 to 1 1/2 lbs. per acre. Apply in 25 to 150 gals. water per acre with ground equipment or a mini-
mum of 3 gals. per acre by air. Begin applications when eggs or insects appear and apply as
needed until insects have been reduced below economic numbers. Do not apply within
7 days of harvest.

Do not apply under conditions involving possible drift to food, forage or other plantings that might
be damaged or the crops thereof rendered unfit for sale, use or consumption.

NOTE — This product is sold by weight and package is full when packed but due to fluffy nature
this material is inclined to settle.

CONDITIONS OF SALE — 1. Chevron Chemical Company (Chevron) warrants that this material
conforms to the chemical description on the label and is reasonably fit for use as directed hereon.
Chevron neither makes nor authorizes any agent or representative to make any other war-
ranty of FITNESS or of MERCHANTABILITY guarantee or representation, express or implied
concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all
risks in connection with the use of chemicals. Such risks include, but are not limited to, dam-
age to plants and crops to which the material is applied, lack of complete control, and damage
caused by drift to other plants or crops. Such risks occur even though the products reason-
ably fit for the uses stated hereon and even though label directions are followed. Buyer and
user acknowledge and assume all risks and liability (except those assumed by Chevron under
1 above) resulting from handling, storage, and use of this material.

NALCO TROL® Reg. TM of Nalco Chemical Co.

Chevron Chemical Company — 1984

Ortho Agricultural Chemicals Division
San Francisco CA 94120 7144 Richmond CA 94804 0036
R form 9155 H7 Product 5332 Made in U.S.A.
EPA Reg. No. 739 7416 AA



ORTHO

ORTHENE® 75 S Soluble Powder

(INSECTICIDE)

Active Ingredient

*Acephate (O,S Dimethyl acetylphosphoramidothioate)

Inert Ingredients

*ORTHENE® Acephate

U.S. Pat. No. 3,716,600

By Wt

75%

25%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 20 1984

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

239-241B

Transferred to
59639-26

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.

BEST AVAILABLE COPY

NET WEIGHT 1 POUND