

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 (H7505C)

Enclosures

P.S. Under note to physician the statement should read, xxx atropine sulphate by injection is antidotal and xxxxx".

You may delete the crop restriction statement at this time. See PE-Notice 87-3.

BEST AVAILABLE COPY

COMMERCIAL FERTILIZER

with 0.20% Phostemic-D*

CONTAINS 0.20% DI-SYSTON†

BEST AVAILABLE COPY

A FERTILIZER - INSECTICIDE FORMULATION

STATEMENT OF INGREDIENTS FOR PEST CONTROL

ACTIVE INGREDIENT:	BY WT.
diisulfoton O, O-Diethyl S-[2-(ethylthio)ethyl]Phosphorodithioate	0.20%
INERT INGREDIENTS	99.80%
TOTAL	100.00%

Patent No. 2,759,010
Registered U.S. Pat. Off. by Farbenfabriken Bayer, A. G. Chemagro Corporation. Licensee
Phostemic-D (Di-Syston) is a systemic pesticide which penetrates by absorption and is trans-
located in the plant. The active ingredient is released slowly, giving long protection during the
plant's susceptible early life.

STATEMENT OF INGREDIENTS AS PLANT FOOD

TOTAL NITROGEN (As Ammonic)	18.8%
AVAILABLE PHOSPHORIC ACID	8.9%
An Ammonium Phosphate Sulfate	

KEEP OUT OF REACH OF CHILDREN WARNING

AVISO

Precaucion Al Usuario: Si usted no lee ingles, no use este producto hasta que la
etiqueta haya sido explicada ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED drink 1 or 2 glasses of water and induce vomiting by touching
back of throat with finger. Do not induce vomiting or give anything by mouth to
an unconscious person. Get medical attention.
IF INHALED remove victim to fresh air. Apply artificial respiration if indicated.
IF ON SKIN remove contaminated clothing. Wash affected areas with soap and
water. If irritation persists call a physician.
IF IN EYES flush with plenty of water. Call a physician.
NOTE TO PHYSICIAN: Contains organic phosphate insecticide, inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine sulfate is
total and may be administered in conjunction with 2PAM.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Do not apply this product in such a manner as to directly or through drift expose
workers or other persons. The area being treated must be vacated by other persons.
Wear protective clothing and cotton or natural rubber gloves. If cotton gloves are used,
they must be laundered or discarded after each day's use. Do not wear the same gloves
for other work. Wash rubber gloves with soap and water after each use.

Rapidly absorbed through skin. May be fatal if swallowed. Do not get on skin, in
eyes, or on clothing. Wash hands, arms and face thoroughly with soap and water
before eating or smoking. Wash all contaminated clothing before re-use.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wet-
lands. Drift and runoff from treated areas may be hazardous to fish in neighbor-
ing areas. Do not contaminate water by cleaning of equipment or disposal of
wastes. Cover or incorporate spills.

This pesticide is toxic to bees exposed to direct application. Applications should
be timed to coincide with periods of minimum bee activity, usually late evening
or early morning.

CROP RESTRICTION

Do not plant any food or feed crop in rotation after a field treatment with
Disulfoton unless it is a registered use for Disulfoton.

RE-ENTRY STATEMENT

Do not apply this product in a manner as to directly or through drift expose
workers or other persons. Do not enter treated areas without protective clothing
until the dust has settled. Certain states require more restrictive re-entry inter-
vals for various crops treated with this product, consult your State Department of
Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a
treated area or in an area about to be treated with this product. When oral warn-
ings are given, warnings shall be given in a language customarily understood by
workers. Oral warnings must be given if there is reason to believe that written
warnings cannot be understood by workers. Written and oral warnings must
include the following: **WARNING:** Area treated with Commercial Fertilizer with
Phostemic-D on (date of application). Do not enter without appropriate protective
clothing for 24 hours. Do not allow re-entry into treated fields within 24 hours
of application unless appropriate protective clothing is worn. Protective clothing
long-sleeved shirt, long-legged trousers, impermeable apron, gloves and shoe
coverings.

STORAGE AND DISPOSAL

Pesticide wastes are acutely hazardous. Do not contaminate water, food, or feed by
storage or disposal.

PESTICIDE DISPOSAL: Improper disposal of excess pesticide, spray mixture, or
rinstate is a violation of Federal law. If these wastes cannot be disposed of by use

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or rinstate is a violation of Federal law. If these wastes cannot be disposed of by
use according to label instructions, contact your State Pesticide or Environmental
Control Agency, or the Hazardous Waste representative at the nearest EPA
Regional Office for guidance. Completely empty bag into application equipment.
Dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State
and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

BEANS (Dry): For control of Aphids, Thrips, Mites and Leafhoppers apply 500 to 1000 lbs. Acre
by sidedressing at planting time or after emergence. Do not apply more than once per season
within 60 days of harvest. Read Important statement.

BROCCOLI: For control of Aphids, Leafhoppers and Flea Beetles apply 500 lbs. Acre by sidedressing
at planting time or after emergence. Do not apply more than once per season or within
14 days of harvest.

BRUSSELS SPROUTS: For control of Aphids, Mites, Thrips, Leafhoppers and Flea Beetles ap-
ply 500 lbs. Acre by sidedressing at planting time or after emergence. Do not apply more than
twice per season or within 30 days of harvest.

CABBAGE: For control of Aphids and Flea Beetles apply 500 lbs. Acre by sidedressing at plant-
ing time or after emergence. Do not apply more than once per season or within 42 days of harvest.

CAULIFLOWER: For control of Aphids, Leafhoppers and Flea Beetles apply 500 lbs. Acre by
sidedressing at planting time or after emergence. Do not apply more than twice per season or
within 40 days of harvest.

COTTON: For control of Aphids, Thrips and Mites apply 500 lbs. Acre by sidedressing at plant-
ing time or after emergence. Do not apply more than twice per season or within 28 days of
harvest. Allow a minimum of 21 days between applications. Read Important statement.

LETTUCE: For control of Aphids, Thrips, Mites and Leafhoppers on spring or summer seeded
lettuce apply 500 to 1000 lbs. Acre by sidedressing at planting time only. On fall or winter seeded
lettuce apply at planting time or thinning time. Do not apply within 60 days of harvest. Read
Important statement.

POTATOES: For control of Aphids, Flea Beetles (Except Tuber Flea Beetles), Leafhoppers,
Potato Psyllid and Southern Potato Wireworm apply 1000 to 2000 lbs. Acre in the fall prior to
planting or by sidedressing after plants become established. Higher rates to be used in organic
soils. Do not apply within 75 days of harvest. Do not make more than 2 applications per season.
Do not tank mix this product with Phosalone.

SNAP OR GREEN LIMA BEANS: For control of Aphids, Thrips, Mites and Leafhoppers apply
500 to 1000 lbs. Acre by sidedressing at planting time only. Read Important statement. Do not
apply more than once per season.

SORGHUM: For control of Aphids, Green Bug apply 500 lbs. Acre at planting time or by
band application. Do not apply within 30 days of harvest for grain or within 60 days of harvest for
forage or fodder. Do not apply more than once per crop season, regardless of granular ad-
dication.

SPINACH: For control of Aphids, Thrips, Mites and Leafhoppers apply 500 lbs. Acre by sidedressing
at planting time only.

SUGAR BEETS: For control of Aphids, Thrips, Mites and Leafhoppers apply 500 lbs. Acre by
sidedressing at planting time or after emergence. Do not apply more than 3 times per season
within 30 days of harvest. Read Important statement.

TOMATOES: For control of Aphids, Flea Beetles, Leaf Miners, Leafhoppers and Mites apply
1000 lbs. Acre may be applied by sidedressing at planting time only. No other applications
made during the season. 1-2 applications are required, apply 1000 lbs. Acre each application.
Apply at planting time or after plants become established. Do not apply within 30 days of
harvest.

IMPORTANT: When used on BEANS, COTTON, LETTUCE or SUGAR BEETS at the maximum
recommended rate under adverse conditions such as extremely cool and wet or extremely dry
weather, Di-Syston may cause some delay in emergence, stunting of seedlings or reduction in
stand. Such damage may be more pronounced in light, sandy soils. Plant injury may be avoided
if Di-Syston is enhanced when certain pre-emergent herbicides are used in conjunction with
Di-Syston.

Net Weight

CONDITIONS OF SALE: Seller warrants that this product consists of the ingredients speci-
fied and is reasonably true to use as directed on the label. Seller does not warrant that the product
is authorized to make any other warranty, guaranteed or otherwise, concerning this product. Seller
is not liable for the price, rate of application and other conditions of use beyond Seller's control.
Seller's liability from the handling, storage and use of this product is limited to the purchase
price of the product.

NOTE: The principal active insecticidal ingredient of this product is patented under U.S.
Patent No. 2,759,010 by Farbenfabriken Bayer, A. G. Chemagro Corporation, Kansas City, Missouri, and the U.S. Govern-
ment. This product includes a limited license under said patent to use or reformulate the product in the
manner provided by the recommended instructions on the present label. The user must

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Patent No. 2,759,010
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Phosmet-D (Dr-Syston) is a systemic pesticide which penetrates by absorption and is translocated in the plant. The active ingredient is released slowly, giving long protection during the plant's susceptible early life.

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STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

IF INHALED remove victim to fresh air. Apply artificial respiration if indicated. **IF ON SKIN** remove contaminated clothing. Wash affected areas with soap and water. If irritation persists call a physician.

IF IN EYES flush with plenty of water. Call a physician.

NOTE TO PHYSICIAN: Contains organic phosphate insecticide, inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine sulfate is a total and may be administered in conjunction with 2PAM.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by other persons. Wear protective clothing and cotton or natural rubber gloves. If cotton gloves are used, they must be laundered or discarded after each day's use. Do not wear the same gloves for other work. Wash rubber gloves with soap and water after each use.

Rapidly absorbed through skin. May be fatal if swallowed. Do not get on skin, in eyes, or on clothing. Wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing before re-use.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wetlands. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or incorporate spills.

This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity. Usually late evening or early morning.

CROP RESTRICTION

Do not plant any food or feed crop in rotation after a field treatment with Disulfoton unless it is a registered use for Disulfoton.

RE-ENTRY STATEMENT

Do not apply this product in a manner as to directly or through drift expose workers or other persons. Do not enter treated areas without protective clothing until the dust has settled. Certain states require more restrictive re-entry intervals for various crops treated with this product; consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written and oral warnings must include the following: **WARNING:** Area treated with Commercial Fertilizer with Phosmet-D on (date of application). Do not enter without appropriate protective clothing for 24 hours. Do not allow re-entry into treated fields within 24 hours of application unless appropriate protective clothing is worn. Protective Clothing: long-sleeved shirt, long-legged trousers, impermeable apron, gloves, and shoe coverings.

STORAGE AND DISPOSAL

Pesticide wastes are acutely hazardous. Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: 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 or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

STATEMENT OF INGREDIENTS AS PLANT FOOD

TOTAL NITROGEN (As Ammonic)	18.8%
AVAILABLE PHOSPHORIC ACID	8.9%
An Ammonium Phosphate Sulfate	

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 or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

BEANS (Dry): For control of Aphids, Thrips, Mites and Leafhoppers apply 500 to 1000 lb. Acre by sidedressing at planting time or after emergence. Do not apply more than once per season or within 60 days of harvest. Read important statement.

BROCCOLI: For control of Aphids, Leafhoppers and Flea Beetles apply 500 lbs. Acre by sidedressing at planting time or after emergence. Do not apply more than once per season or within 14 days of harvest.

BRUSSELS SPROUTS: For control of Aphids, Mites, Thrips, Leafhoppers and Flea Beetles apply 500 lbs. Acre by sidedressing at planting time or after emergence. Do not apply more than twice per season or within 30 days of harvest.

CABBAGE: For control of Aphids and Flea Beetles apply 500 lbs. Acre by sidedressing at planting time or after emergence. Do not apply more than once per season or within 42 days of harvest.

CAULIFLOWER: For control of Aphids, Leafhoppers and Flea Beetles apply 500 lbs. Acre by sidedressing at planting time or after emergence. Do not apply more than twice per season or within 49 days of harvest.

COTTON: For control of Aphids, Thrips and Mites apply 500 lbs. Acre by sidedressing at planting time or after emergence. Do not apply more than twice per season or within 36 days of harvest. Allow a minimum of 21 days between applications. Read important statement.

LETTUCE: For control of Aphids, Thrips, Mites and Leafhoppers on spring or summer seeded lettuce apply 500 to 1000 lbs. Acre by sidedressing at planting time only. Do not apply on winter seeded lettuce. Apply at planting time or thinning time. Do not apply within 60 days of harvest. Read important statement.

POTATOES: For control of Aphids, Flea Beetles, Except Tuber Flea Beetles, Leafhoppers, Potato Psyllid and Southern Potato Wireworm apply 1000 to 2000 lbs. Acre in the furrow at planting or by sidedressing after plants become established. Higher rate to be used in organic soils. Do not apply within 35 days of harvest. Do not make more than 2 applications per season. Do not tank mix this product with Phosalone.

SNAP OR GREEN LIMA BEANS: For control of Aphids, Thrips, Mites and Leafhoppers apply 500 to 1000 lbs. Acre by sidedressing at planting time only. Read important statement. Do not apply more than once per season.

SORGHUM: For control of Aphids, Green Bug apply 500 lbs. Acre at planting time in furrow or band application. Do not apply within 30 days of harvest for drive or 14 days of harvest for forage or fodder. Do not apply more than once per crop season regardless of granular application.

SPINACH: For control of Aphids, Thrips, Mites and Leafhoppers apply 500 lbs. Acre by sidedressing at planting time only.

SUGAR BEETS: For control of Aphids, Thrips, Mites and Leafhoppers apply 500 lbs. Acre by sidedressing at planting time or after emergence. Do not apply more than 3 times per season or within 30 days of harvest. Read important statement.

TOMATOES: For control of Aphids, Flea Beetles, Leaf Miners, Leafhoppers and Mites up to 1500 lbs. Acre may be applied by sidedressing at planting time only. If other application is made during the season, 1-2 applications are required, apply 1000 lbs. Acre each application. Apply at planting time or after plants become established. Do not apply within 30 days of harvest.

IMPORTANT: When used on BEANS, COTTON, LETTUCE or SUGAR BEETS at the maximum recommended rate under adverse conditions such as extremely cool and wet or extremely dry weather, Dr-Syston may cause some delay in emergence, stunting of seedlings or reduction of stand. Such damage may be more pronounced in light, sandy soils. Plant injury may also occur if they be enhanced when certain pre-emergent herbicides are used in conjunction with Dr-Syston.

AGC 499 (A 57)

Net Weight

CONDITIONS OF SALE: 1. Seller warrants that this product consists of the ingredients specified and is reasonably fit for use as directed on the label. No one other than an officer of Seller is authorized to make any warranty, guarantee or direction concerning this product. 2. Because the time, place, rate of application and other conditions of use are beyond Seller's control, Seller's liability from the handling, storage and use of this product is limited to replacement of product or refund of purchase price.

NOTICE: The principal active insecticidal ingredient of this product is patented under U.S. Patent No. 2,759,010 of Chemagro Corporation, Kansas City, Missouri, and the purchase of this product includes a limited license under said patent to use or reformulate the product only as specifically provided by the recommended applications on the present label. The purchaser is authorized to reformulate Chemagro Corporation's product only if he reformulates it in such a way that it is not provided by said recommended applications, and to obtain Chemagro Corporation's written permission before making any such use of reformulation of the patented active ingredient. Reformulation intended for use of the patented product in the home and garden is specifically prohibited by said license.