



AGRICULTURAL BULLETIN

DU PONT
VYDATE® L INSECTICIDE/NEMATICIDE
ORNAMENTALS

185

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

SUPPLEMENTAL LABELING
EPA REG. NO. 352-372

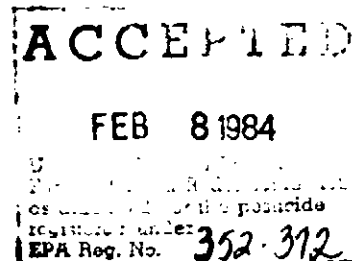
VYDATE® L INSECTICIDE/NEMATICIDE FOR USE ON ORNAMENTALS

Du Pont Vydate® L Insecticide/Nematicide is recommended for use on certain commercial and farm plantings (not home plantings) of ornamentals, nursery stock, and non-bearing fruit trees for control of certain insects, mites, and nematodes.

INSECTS AND MITES CONTROLLED:

Aphids
Fungus Fly
Fungus Gnats
Japanese Beetle
Leafhoppers
Leafminers
Black Vine Weevil

Mealybugs
Mites
Royal Palm Bug
Scales
Thrips
White Fly



HOW TO USE

Large Areas - Mix 2 to 4 pts. Vydate® L per 100 gals. and apply up to 200 gals. of the mixture per acre as a foliar spray or apply 4 to 8 pts. Vydate® L per acre in a maximum of 600 gals. water per acre.

Small Areas - Mix 3 to 6 tablespoonfuls Vydate® L per 5 to 14 gals. water and apply to 1,000 sq. ft.

Apply as needed to maintain control.

NEMATODES CONTROLLED:

Root Knot
Sting
Lesion

Burrowing
Stunt

HOW TO USE

Vydate® L may be used as a pre-transplant soil treatment, as a drench, or as a root, corn, or bulb dip. It may also be used as a foliar treatment alone or as a supplement to the above Vydate® L treatments or other nematicide treatments. When transplanting, plants should be set into soil within 24 hours after application.

Use the lower rates for light infestations of nematodes and the higher rates for severe infestations.

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YDATE® L
ORNAMENTALS

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FIELD GROWN PLANTS

Preplant Soil Incorporation Treatment - Apply 3 to 4 gals. Vydate® L in a minimum of 20 gals. of water per acre. Thoroughly incorporate with a rotary tiller to a depth of 4 to 8 inches immediately after application. If applied in a band, use proportionately less material.

Foliar Treatment - As a foliar treatment, mix 2 to 4 pints Vydate® L per 100 gals. of water and apply as a dilute spray, not to exceed 8 pints per acre. Apply on a 2- to 3-week schedule for 4 applications. Apply first spray at first full leaf or when plant is in active growth phase. Do not apply to plants under water stress or to plants not actively growing. Include a spreader sticker.

This treatment works best as a supplement to a complete nematocide program following soil fumigation or use of a contact nematocide prior to transplanting.

POTTED PLANTS

Soil Mix Treatment - Mix 2-3/4 fluid ounces of Vydate® L in 10 gals. of water. Spray 2-1/2 to 3-1/3 gals. of the dilute mix on to 1 cubic yard of soil while tumbling in a soil mixer (use 1 to 1-1/3 pints for 1 bushel of soil).

Liquid Drench - Mix 1 pint of Vydate® L in 100 gals. of water (1-1/2 tablespoons/5 gals.). Apply drenches at a rate of 4 to 8 ounces per 6-inch pot or 2 to 4 ounces per 4-inch pot.

ROOT, CORM, OR BULB DIP - Mix 2 to 4 pints of Vydate® L in 100 gals. of water (3 to 6 tablespoons/5 gals.). Place plant material in solution for 1 to 30 minutes. Use the higher rate and longer soaking time for more severe nematode infestation.

NOTE: Since varieties of ornamentals are numerous, continually changing, and may respond differently to Vydate® L, test Vydate® L on a small scale before proceeding to large-scale application. Varietal response may also vary if Vydate® L is mixed with other products. Do not use in Suffolk and Nassau Counties, Long Island, New York.

IMPORTANT

BEFORE USING YDATE® L, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

This bulletin contains new or supplemental instructions for use of this product which may not appear on package label. Follow the instructions carefully.

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VYDATE® L
ORNAMENTALS

ORNAMENTALS FOR WHICH VYDATE® L IS RECOMMENDED

<u>Specific Name</u>	<u>Common Name</u>
<u>Abies lasiocarpa</u>	Fir
<u>Acer</u>	Sugar Maple
<u>Aesculus splendens</u>	Buckeye
<u>Aloe spp.</u>	Medicine Plant
<u>Antirrhinum spp.</u>	Snapdragon
<u>Apheleandra squarrosa</u> Dania	Zebra Plant
<u>Aracecaria excelsa</u>	Norfolk Island Pine
<u>Ardisia spp.</u>	Ardisia
<u>Asparagus sprengeri</u>	Asparagus Fern
<u>Aucuba spp.</u>	Gold Dust Tree
<u>Begonia spp.</u>	Rieger begonia
<u>Berberis thunbergii</u>	Barberry
<u>Brassia actinophylla</u>	Schefflera
<u>Caladium spp.</u>	Caladium
<u>CalliCARpa spp.</u>	Mulberry
<u>CalliCARpa japonica</u>	Mulberry (French)
<u>Calycanthus floridus</u>	Allspice
<u>Chaenorrhinum spp.</u>	Snapdragon
<u>Chamaecyparis spp.</u>	Cypress (Cedar)
<u>Chamaedorea elegans</u>	Neanthebella Palm
<u>Chrysalidocarpus lutescens</u>	Madagascar Palm
<u>Chrysanthemum spp.</u>	Chrysanthemum
<u>Citrus spp.</u>	Citrus*
<u>Codiaeum spp.</u>	Croton
<u>Cotoneaster spp.</u>	Firethorn
<u>Crassula spp.</u>	Jade Plant
<u>Cytisus purpureus</u>	Broom
<u>Deutzia scabra</u>	Mock Orange
<u>Dianthus spp.</u>	Carnation
<u>Dieffenbachia amoena</u>	Dieffenbachia
<u>Dieffenbachia exotica</u>	
<u>Dieffenbachia seguine</u>	
<u>Dracaena spp.</u>	Dracaena
<u>Euonymus fortunei</u>	Euonymus
<u>Euonymus japonica</u>	Japanese Euonymus
<u>Fittoniamini</u>	Nerve Plant
<u>Fragaria spp.</u>	Strawberry*
<u>Gardenia jasminoides</u>	Gardenia
<u>Ginko biloba</u>	Ginko
<u>Gladiolus spp.</u>	Gladiolus
<u>Gynura sarmentosa</u>	Purple passion
<u>Gypsophila spp.</u>	Gypsophila

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YDATE L
ORNAMENTALS

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Hedera helix
Hibiscus spp.
Hibiscus calycinus
Hibiscus rosa-sinensis
Hoya carnosae kFinkle kurl
Hypocyntha glabra
Hypoestes phylllostachya
Hypoestes sanguinolenta

Ilex crenata
Iris spp.
Ixora coconeae

Jasminum volubile
Juniperus spp.

Lagestromenia indica
Leucothoe fontanesiana
Ligustrum

Magnolia virginiana
Maranta kerchoveana
Mikania ternata

Nephrolepis exaltata bostoniensis

Osmanthus heterophyllus

Pachystachus spp.
Pelen rotundifolia
Pellionia pulchra
Peony
Peperomia orba
Peperomia viridis
Philodendron
Philodendron macrophylla
Philodendron oxycardium
Philodendron sellum
Philodendron tobira
Picea spp.
Pieris floribunda
Pilea aluminum
Pilea involucrata
Pilea microphylla
Pinus spp.
Portulaca grandiflora
Prunus spp.
Pseudotsuga menziesii
Pyrus spp.

Ivy
Hibiscus
Yellow hibiscus
Red hibiscus
Hoya or Hindu rope
Goldfish plant
Polka Dot
Pink Polka Dot

Holly
Iris
Red Ivora

Wax Jasmine
Juniper

Loosestrife
Fetterbush
Privet

Magnolia
Prayer Plant
Plush vine

Boston fern

Devilwood

Fern
Satin Pellionia

Astrid Peperomia

Philodendron
Podocarpus
Heart leaf Philodendron
Philodendron self heading
Jap Pittosporum
Spruce
Pieris
Aluminum plant
Friendship Pilea
Artillery plant
Pine
Moss rose
Plum*
Douglas fir
Apple*

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VIDATE L
ORNAMENTALS

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Raystonea spp.
Rhamnus frangula
Rhododendron spp.
Rosa multiflora japonica
Rumohra adiantiformis

Saintpaulia ioantha
Sansevieria spp.
Saxifraga sarmentosa
Schlumbergera bridgesii
Scindapsus aureus
Sordus reflexipetalia
Spiraea spp.
Synogonium podophyllum variegatum

Taxus media Hicksii
Thuja occidentalis
Tsugu canadensis

Veitcha merilli
Verbena hortensis
Viburnum japonicum
Viola tricolor
Vinca rosea

Zygocactus spp.

Royal palm
Tallhedge
Azalea
Rose
Leatherleaf fern

African violet
Snake plant
Strawberry geranium
Christmas cactus
Devils ivy
Chokeberry
Spiraea
Variegated emerald gem

Yew
Arborvita
Hemlock

Christmas palm
Verbena springtime
Honeysuckle
Pansy
Periwinkle

Christmas cactus

* Non-bearing trees and strawberries that will not bear fruit within 12 months after application.



AGRICULTURAL BULLETIN



VYDATE® L INSECTICIDE/NEMATOCIDE
ORNAMENTALS

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

SUPPLEMENTAL LABELING
(EPA REG. NO. 352-372)

VYDATE® L INSECTICIDE/NEMATOCIDE
FOR USE ON ORNAMENTALS

Registered under
EPA Reg. No. 352-372

Du Pont Vydate® L Insecticide/Nematicide is recommended for use on ornamentals to control certain insects and mites.

INSECTS AND MITES CONTROLLED:

Aphids	Mealybugs
Fungus Fly	Mites
Fungus Gnats	Royal Palm Bug
Japanese Beetle	Scales
Leafhoppers	Thrips
Leafminers	White Fly

HOW TO USE

Large Areas - Mix 2 to 4 pts. Vydate® L per 100 gals. and apply up to 200 gals. of the mixture per acre or apply 4 to 8 pts. Vydate® L per acre in a maximum of 600 gals. water per acre.

Small Areas - Mix 3 to 6 tablespoonfuls Vydate® L per 5 to 14 gals. water and apply to 1,000 sq. ft.

Apply as needed to maintain control.
Use only on commercial plantings; do not use on home plantings.

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ORNAMENTALS FOR WHICH VYDATE® L IS RECOMMENDED

Plants

Andora® Juniper	Dracaena	Magnolia
Aphelandra (Zebra Plant)	Euonymus	Palms (Christmas Palm, Royal Palm & Jelly Palm only)
*Apple	Fern (<u>Pelea rotundifolia</u>)	Philodendron
Aucuba	Gardenia	*Plum
Azalea	Gladiolus	Rose
Carnation	Gypsophila	Rotundifolia
Christmas Cactus	Holly	Sansevieria
Chrysanthemum	Hoya	Snapdragon
Croton	Hypoestes Sanguinoleta (Pink Polka Dot)	*Strawberry
Dieffenbachia	Leatherleaf Fern	Sweet Feijon

* Non-bearing trees and strawberries that will not bear fruit within 12 months after application.

Note: Since varieties of ornamentals are numerous, continually changing, and may respond differently to Vydate® L, test Vydate® L on a small scale before proceeding to large-scale application. Varietal response may also vary if Vydate® L is mixed with other products. Do not use in Suffolk and Nassau Counties, Long Island, New York.

IMPORTANT

BEFORE USING VYDATE® L, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

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DANGER POISON

See Antidote on Front Panel

DIRECTIONS FOR USE—Continued from inside panel

Do not enter treated areas without appropriate protective clothing until sprays have dried. Because certain states may require more restrictive reentry 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 or oral warnings must include the following information: "DANGER—POISON Area treated with 'Yudite' L on date of application. Do not enter treated areas without appropriate protective clothing until sprays have dried. If warning symptoms appear, refer to Statement of Practical Treatment on front panel of 'Yudite' L label and seek medical attention at once."

Spray Preparation—Full spray tank 1.4 to 1.2 gal. of water. Add 'Yudite' L directly to tank, mix thoroughly while adding remaining water. No further agitation is necessary.

FRUITS

SPOTTED TENTHREED LEAFMINER—Apply 1 to 2 pts. 'Yudite' L per 100 gals. water as follows:

1st Broad Leafminer—Adults and Larvae—Make one treatment at peak (before bloom—no petals opened).

2nd Broad Leafminer—Larvae—Make an application on when there are an average of two or more larvae per leaf in the sap feeding stage. For best results, the application should be made before the larvae enter into the tissue feeding stage.

EUROPEAN RED WITE AND TWO-SPOTTED SPIDER WITE—

Established Populations of Wites—Apply 1 to 2 pts. 'Yudite' L per 100 gals. water as needed.

Low Populations (Preventive Control)—Apply 1.4 to 1.2 pt. 'Yudite' L per 100 gals. water before wites reach damaging numbers and continue every 10 to 15 days to maintain control.

WHITE APPLE LEAFHOPPER—Apply 1 to 2 pts. 'Yudite' L per 100 gals. water every 10 to 14 days as needed. Begin application when significant numbers of leafhoppers are present.

Apply 'Yudite' L in sufficient water to obtain thorough coverage but not in excess of 400 gals. per acre.

Note: Do not apply at bloom or within 30 days after bloom, or fruit thinning may occur. Do not apply to apples within 14 days of harvest. Do not grow livestock in treated orchards.

CITRUS

CITRUS BUST WITE—Apply 1.4 to 1 pt. 'Yudite' L per 100 gals. water. Spray to run off using up to 400 gals. of water per acre. Do not apply more than 2 qts. of powder per acre.

Begin applications as soon as significant infestations are found and continue on an as needed basis. Under light to moderate pressure, apply 2 to 3 weeks as long as the infestation continues. Under heavy pressure, apply every 2 to 3 weeks as long as the infestation continues.

DO NOT MAKE MORE THAN 5 APPLICATIONS PER YEAR.

CITRUS THrips—Apply 1 to 2 qts. of 'Yudite' L per acre in sufficient water (100 to 500 gals. per acre) to give good coverage. Apply in the early spring before bloom when the new growth is about 3 to 4 inches long. Make additional applications as needed. Subsequent applications at peak fall may be needed to prevent fruit staining. Applications are also recommended during mid-summer to protect new growth on young trees.

Note: Do not apply to citrus within 7 days of harvest. Do not grow livestock in treated orchards.

PEARS—Use not registered in California.

EUROPEAN RED WITE, MICHAEL WITE TWO-SPOTTED SPIDER WITE, PEAR BUST WITE—Apply 3 to 4 qts. 'Yudite' L per acre in 100 to 600 gals. of water by ground. For best results use a dilute application.

Make application when wites first appear and repeat as needed to maintain control. Use lower rate on light infestations and higher rate on heavy infestations.

Note: Do not apply at bloom or within 30 days after full bloom, or fruit thinning may occur. Do not apply within 14 days of harvest. This product has been tested on Earlport and 8-Amp varieties of pears without resulting in any other varieties should be on a small scale until the possibility of resulting has been evaluated. Do not grow livestock in treated orchards.

PINEAPPLE—Use not registered in California.

REPOPO AND ROOF KNUT REPOPOES—

Preplant or Planting Treatment—Apply 2 to 4 gals. 'Yudite' L per acre broadcast within 1 week prior to planting and incorporate 4 to 6 inches into the soil. Alternatively, apply 1 to 4 gals. 'Yudite' L per acre broadcast, or apply 1 to 4 gals. per acre directly to the soil via drip irrigation system, within 1 week after planting.

Subsequent Treatments—Apply 1 to 2 gals. 'Yudite' L per acre by ground equipment as a foliar spray at 2 to 4 week intervals in sufficient water to obtain thorough coverage. Begin applications when pineapple roots begin to grow following planting. Alternatively, apply 1 to 2 gals. 'Yudite' L per acre directly to the soil via drip irrigation system at 2 to 4 week intervals. For best results subsequent applications should be made after preplant or planting application of 'Yudite' L or a standard fungicide. Best results occur under optimum soil moisture conditions.

Note: Do not apply more than 24 gals. 'Yudite' L per acre on the plant crop or more than 12 gals. per acre on the ratoon crop. Do not apply within 30 days of harvest.

VEGETABLES

CARROTS—Use not registered in California.

ROOT KNOT (EXCEPT JAPANESE), LESION, STING, SPIRAL AND STUNT REPOPOES—

Preplant Treatment—Apply 2 to 4 gals. of 'Yudite' L per acre in a minimum of 20 gals. water per acre as a broadcast treatment of the soil. Apply within one week of planting. Thoroughly incorporate to a depth of 4 to 6 inches in the soil.

In-Furrow Treatment—Apply 1 to 2 gals. of 'Yudite' L per acre in a minimum of 20 gals. water per acre in the seed furrow during the planting operation.

Continued below v

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Soil Treatment—'Yudite' L may be applied to the soil as a band treatment or it may be broadcast, dusted, and banded. For best results, the tobacco should be transplanted within 24 hours after soil treatment. However, if the transplant water treatment is used, tobacco may be transplanted within one week after the soil treatment.

Band Treatment—Apply 1 to 3 gals. of 'Yudite' L in an 18 to 24 inch band in a minimum of 20 gals. of water per acre of tobacco (12,000 row feet). Use the lower rate for lower infestations, the higher rate and water band for severe infestations. Thoroughly incorporate with a rotary tiller to a depth of 4 to 6 inches.

Broadcast and Band Treatment—Apply a broadcast spray of 1 to 3 gals. per acre in a minimum of 40 gals. of water. Use lower rates for lower infestations and the higher rates for severe infestations. Incorporate thoroughly to a depth of 4 to 6 inches and band the soil in such a manner that only treated soil is used to form the beds.

Transplant Water Treatment—Apply 'Yudite' L at the following recommended rates in the transplant water depending on the number of plants per acre. Use a minimum of 100 gals. of transplant water per acre.

Plants per Acre	Rate in Pts./Acre	Rate in Li. Oz./Acre
9,000	2	32
7,500	1 3/4	24
6,000	1 1/2	24
3,000	1 1/4	20

For small quantities mix 1 tablespoonful 'Yudite' L per 10 gals. of water using 1/2 pint of solution/plant.

Foliar Treatment—Make 2 foliar applications of 4 pts. 'Yudite' L per acre of tobacco. Include a spreader sticker. Apply a directed spray in 20 gals. of water 2 weeks after transplanting. Apply a second directed spray in 20 to 40 gals. of water (depending on plant size) 4 to 5 weeks after transplanting.

For best results, use 3 spray nozzles positioned over and to each side of the row so that the entire plant is covered with spray.

ORNAMENTALS, NURSERY STOCK, NON-BEARING FRUIT TREES

'Yudite' L is recommended for use on the following ornamentals, nursery stock and non-bearing fruit trees for control of insects, mites, and nematodes:

Apple	Boxwood	Citrus*	Dracaena	Hoya	Peach*	Philodendron	Staplegrass
Aspen	Cherry	Croton	Gardenia	Leatherleaf Fern	Pear*	Rose	Strawberry
Bamboo	Hydrangea	Dieffenbachia	Gladiolus	Mantaria	Pony	Sansseria	'Nursery'
Berberis	Impatiens	Hebe	Marigold	Philodendron	Prunella	Saxifraga	
Begonia	Jasmine	Hosta	Primula	Spirea	Spirea	Spirea	
Berberis	Juniper	Hydrangea	Spirea	Spirea	Spirea	Spirea	
Berberis	Juniper	Hydrangea	Spirea	Spirea	Spirea	Spirea	
Berberis	Juniper	Hydrangea	Spirea	Spirea	Spirea	Spirea	
Berberis	Juniper	Hydrangea	Spirea	Spirea	Spirea	Spirea	
Berberis	Juniper	Hydrangea	Spirea	Spirea	Spirea	Spirea	

*Not recommended for use on the following ornamentals, nursery stock and non-bearing fruit trees for control of insects, mites, and nematodes:

Apply 'Yudite' L in 10 gals. of water. Spray 2 1/2 to 3 1/3 gals. of the dilute mix on to 1 cubic yard of soil while tilling in a soil mixer (see 1 to 4 1/3 gals. for 1 bushel of soil).

Foliar Treatment—As a foliar treatment, mix 2 to 4 gals. 'Yudite' L per 100 gals. of water and apply as a directed spray, not to exceed 8 gals. per acre. Apply on a 2 to 3 week schedule for 4 applications. Apply first spray at first full bud or when plant is in active growth phase. Do not apply to plants under stress or to plants not actively growing. Include a spreader sticker.

Liquid Drench—Mix 1 pt. of 'Yudite' L in 100 gals. of water (1 1/2 tablespoons/gal.). Apply drenches at a rate of 4 to 8 oz. per bushel of soil or 2 to 4 oz. per 4-inch pot.

Bank, Corn, or Bush Drench—Mix 2 to 4 gals. of 'Yudite' L in 100 gals. of water (3 to 6 tablespoons/gal.). Place plant material in solution for 1 to 30 minutes. Use the higher rate and longer soaking time for more severe nematode infestation.

Note: Do not treat apple, cherry, peach, or pear plants which by root die.

Use only on commercial plantings. Do not use on home plantings. Since varieties of ornamentals are numerous, continuously changing, and may respond differently to 'Yudite' L, use on a small scale before proceeding to large-scale application.

Verbal responses may vary with 'Yudite' L is mixed with other products.

NOTICE TO BUYER—Purchase of this material does not confer any right, title, or interest in the United States.

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PRECAUCION AL USUARIO: Si usted no ha leído, no use este producto hasta que lo haya leído. Este producto puede ser peligroso para su salud y el medio ambiente.

PHYSICAL TREATMENT

Statement ▶

USA
USA
USA

DO NOT USE IN SOUTHERN AND MIDDLE COUNTRIES, LONG ISLAND, N.Y.

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DIRECTIONS FOR USE

STORAGE AND DISPOSAL

NOTICE OF UNLAWFUL

PHYSICAL AND CHEMICAL HAZARDS

Flammable: Vapor may form heat, sparks, and open flame. Keep container closed. Use with adequate ventilation.

Precaution: When mixing, sorting, loading, unloading, or otherwise handling, wear protective clothing, goggles, and a mask or respirator (jointly approved by the Mine Safety and Health Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health). Wear clean clothes only. Wash thoroughly after handling and before eating, drinking, or smoking. Pilot should not assist in the mixing and loading operation.

Ydote 1 or other contact nematocides. Make 2 later applications of "Ydote" L at 2 to 4 gals. per acre in 20 to 40 gals. of water. Apply first spray 3 weeks after emergence and the second spray 6 weeks after emergence. For best results, concentrate the spray on the row using 1 cone-type nozzle positioned over and to each side of the row. Thorough spray coverage is important.

SOYBEANS—Not registered in California.
ROOT KNOT (EXCEPT JAPANESE), LESION, WILT, SPUR, LANCE, AND CYST NEMATODES—
 Infestation Band Treatment—Apply 2 to 4 gals. "Ydote" L in 10 to 20 gals. of water per acre (based on 30" row spacing) at planting. Spray over open drill row at the position where the seed is covered with soil to secure mixing of "Ydote" L with the soil around the seed.
 Incorporated Band Treatment—Apply 2 to 4 gals. "Ydote" L in 10 to 20 gals. water per acre to a 7" to 10" band in the drill area (based on 30" row spacing) as a preplant treatment (up to 1 week before planting) or as a treatment of planting. Incorporate the "Ydote" L 2" to 4" into the soil in the seed zone.
 Incorporated Broadcast Treatment—Apply 1 to 2 gals. of "Ydote" L in 10 to 20 gals. of water per acre as a preplant treatment (up to 1 week before planting) or as a treatment of planting. Incorporate the "Ydote" L 2" to 4" into the soil in the seed zone.
 Note: Do not cut for hay or feed treated forage to livestock. Do not apply "Ydote" L to areas with severe infestations of nematodes such as where injury to plants is manifested by severe stunting and chlorosis, as "Ydote" L will not control severe infestations.

TABACCO
ROOT KNOT (EXCEPT JAPANESE) AND LESION NEMATODES AND PLEA NEMATODES—Measure "Ydote" L accurately as over-application may cause stunting of tobacco.
 "Ydote" L may be used:
 • As a preplant soil incorporation treatment.
 • Also as a transplant water treatment for 2 to 4 weeks of nematode and flea beetle control.
 • As a transplant water treatment following "Ydote" L or other contact nematocides, preplant fungicide, or multipurpose fungicide and standard flea beetle treatments.
 • As a foliar treatment to control early season nematode and flea beetle control following the use of "Ydote" L in transplant water or the soil use of "Ydote" L or other contact nematocides, preplant fungicide, or multipurpose fungicide and standard flea beetle treatments.

Soil Treatment—"Ydote" L may be applied to the soil as a band treatment or it may be broadcast, drilled, and bedded. For best results, the tobacco should be transplanted within 24 hours after soil treatment; however, if the transplant water treatment is used, tobacco may be transplanted within one week after the soil treatment.
Row Treatment—Apply 1 to 3 gals. of "Ydote" L in an 18" to 24-inch band in a minimum of 20 gals. of water per acre of tobacco (12,000 row feet). Use the lower rates for lower infestations, the higher rates and wider band for severe infestations. Thoroughly incorporate with a rotary tiller to a depth of 4 to 6 inches.
Broadcast and Band Treatment—Apply a broadcast spray of 1 to 3 gals. per acre in a minimum of 40 gals. of water. Use lower rates for lower infestations and the higher rates for severe infestations. Incorporate thoroughly to a depth of 4 to 6 inches and bed the field in such a manner that only treated soil is used to form the beds.
Transplant Water Treatment—Apply "Ydote" L at the following recommended rates in the transplant water depending on the number of plants per acre. Use a minimum of 100 gals. of transplant water per acre.

Plants/Acre	Rate in Pts. Acre	Rate in Fl. Oz./Acre
9,000	2	32
7,500	1 1/2	24
6,000	1 1/4	24
5,000	1 1/4	20

For small quantities mix 1 tablespoonful "Ydote" L per 10 gals. of water using 1/2 pint of solution/pint.
Foliar Treatment—Make 2 later applications of 4 gals. "Ydote" L per acre of tobacco. Include a spreader sticker. Apply a directed spray in 20 gals. of water 2 weeks after transplanting. Apply a second directed spray in 20 to 40 gals. of water (depending on plant size) 4 to 5 weeks after transplanting.
 For best results, use 3 spray nozzles positioned over and to each side of the row so that the entire plant is covered with spray.

ORNAMENTALS, NURSERY STOCK, NON-BEARING FRUIT TREES

"Ydote" L is recommended for use on the following ornamentals, nursery stock and non-bearing fruit trees for control of insects, mites, and nematodes:
 Apple* Berberry* Citrus* Dracena* Hoya* Leadleaf Fern* Peach* Philodendron* Snapdragons
 Azalea Cherry* Cereus* Gardenia* Leatherleaf Fern* Pear* Rose* Strawberry
 Bird's-Nest Fern Chrysanthemum Dahlia* Dieffenbachia* Poinsettia* Peony* Sarcocolla* (Phlox)*
 *Non-bearing trees and shrubs that will not bear fruit within 12 months after application.
 Note: Certain varieties of strawberries are sensitive to "Ydote" L exhibiting severe phytotoxic symptoms. Known sensitive varieties that should not be treated with "Ydote" L include Bounty, Camarosa (RT 1362), Cardinal, Darro, Dunlop, Earldown, Earlglen, Empire, Halcay, Marlene, Midland, Midway, Miro, Miro, NY 1409, Opaline, Redglen, Redstar, Sequoia, Stark Red Sunrise, and Ventur. However, other varieties may also be sensitive. Therefore, "Ydote" L should be used initially only on a small scale to determine crop sensitivity prior to large scale field application.
 See separate Du Pont literature for additional plants.

INSECTS AND MITES including aphids, fungus fly, fungus gnats, Japanese beetle, leafhoppers, leafminers, mealybugs, royal palm bug, scales, thrips, white fly, and mites.
Foliar Treatment—Mix 2 to 4 gals. "Ydote" L per 100 gals. and apply up to 200 gals. of this mixture per acre or apply 4 to 8 pts. "Ydote" L per acre in a maximum of 600 gals. of water per acre for small areas. Mix 3 to 6 tablespoonsful "Ydote" L per 5 to 14 gals. water and apply to 1,000 sq. ft. Apply as needed to maintain control.

NEMATODES including root knot (except Japanese), sting, lesion, and burrowing nematodes.
 "Ydote" L may be used as a pretransplant soil treatment, as a drench or as a root, crown, or bulb dip. It may also be used as a foliar treatment alone or as a supplement to the above "Ydote" L or other nematocidal treatments. When transplanting plants should be set into soil within 24 hours after application.
Preplant Soil Incorporation Treatment—Apply 3 to 4 gals. "Ydote" L in a minimum of 20 gals. of water per acre. Thoroughly incorporate with a rotary tiller to a depth of 4 to 6 inches immediately after application. If applied in a band, use proportionately less material.
Soil Drench Treatment—Mix 2 1/2 to 4 gals. of "Ydote" L in 10 gals. of water. Spray 2 1/2 to 3 1/3 gals. of the dilute mix on to 1 cubic yard of soil while turning it. A soil moist (use 1 to 1 1/3 gals. for 1 bushel of soil).
Foliar Treatment—As a foliar treatment mix 2 to 4 gals. "Ydote" L per 100 gals. of water and apply as a dilute spray not to exceed 8 pts. per acre. Apply on a 2 to 3 week schedule for 4 applications. Apply first spray at first full leaf or when plant is in active growth phase. Do not apply to plants under water stress or to plants not actively growing. Include a spreader sticker.
Liquid Drench—Mix 1 pt. of "Ydote" L in 100 gals. of water (1 1/2 tablespoons/5 gals.) Apply drenches at a rate of 4 to 6 oz. per 6 inch pot or 2 to 4 oz. per 4 inch pot.
Root, Crown, or Bulb Dip—Mix 2 to 4 gals. of "Ydote" L in 100 gals. of water (3 to 6 tablespoons/5 gals.). Place plant material in solution for 1 to 30 minutes. Use the higher rate and longer soaking time for more severe nematode infestation.
 Note: Do not treat apple, cherry, peach, or pear planting stock by root dip.
 Note: Use only on commercial plantings; do not use on home plantings. Since varieties of ornamentals are numerous, continuously changing, and may respond differently to "Ydote" L, test "Ydote" L on a small scale before proceeding to large-scale application. Varietal response may also vary if "Ydote" L is mixed with other products.

NOTICE TO BUYER—Purchase of this material does not confer any rights under patents of countries outside of the United States.

Ydote 1
 A contact nematocidal insecticide and fungicide for control of nematodes, insects, mites, and fungi on ornamentals, nursery stock, and non-bearing fruit trees.
 Ydote 1 is a contact nematocidal insecticide and fungicide for control of nematodes, insects, mites, and fungi on ornamentals, nursery stock, and non-bearing fruit trees.
 Ydote 1 is a contact nematocidal insecticide and fungicide for control of nematodes, insects, mites, and fungi on ornamentals, nursery stock, and non-bearing fruit trees.
 Ydote 1 is a contact nematocidal insecticide and fungicide for control of nematodes, insects, mites, and fungi on ornamentals, nursery stock, and non-bearing fruit trees.

CITRUS
ROOT KNOT (EXCEPT JAPANESE), LESION, SPUR, LANCE, AND CYST NEMATODES—
 Preplant Treatment—Apply 2 to 4 gals. "Ydote" L in 10 to 20 gals. of water per acre in a minimum of 20 gals. water per acre in the seed furrow during the planting operation.
 Row Treatment—Apply 1 to 3 gals. of "Ydote" L in an 18" to 24-inch band in a minimum of 20 gals. of water per acre in the seed furrow during the planting operation.
 Broadcast and Band Treatment—Apply a broadcast spray of 1 to 3 gals. per acre in a minimum of 40 gals. of water. Use lower rates for lower infestations and the higher rates for severe infestations. Incorporate thoroughly to a depth of 4 to 6 inches and bed the field in such a manner that only treated soil is used to form the beds.
 Transplant Water Treatment—Apply "Ydote" L at the following recommended rates in the transplant water depending on the number of plants per acre. Use a minimum of 100 gals. of transplant water per acre.

Plants/Acre	Rate in Pts. Acre	Rate in Fl. Oz./Acre
9,000	2	32
7,500	1 1/2	24
6,000	1 1/4	24
5,000	1 1/4	20

For small quantities mix 1 tablespoonful "Ydote" L per 10 gals. of water using 1/2 pint of solution/pint.
Foliar Treatment—Make 2 later applications of 4 gals. "Ydote" L per acre of tobacco. Include a spreader sticker. Apply a directed spray in 20 gals. of water 2 weeks after transplanting. Apply a second directed spray in 20 to 40 gals. of water (depending on plant size) 4 to 5 weeks after transplanting.
 For best results, use 3 spray nozzles positioned over and to each side of the row so that the entire plant is covered with spray.

ORNAMENTALS, NURSERY STOCK, NON-BEARING FRUIT TREES

"Ydote" L is recommended for use on the following ornamentals, nursery stock and non-bearing fruit trees for control of insects, mites, and nematodes:
 Apple* Berberry* Citrus* Dracena* Hoya* Leadleaf Fern* Peach* Philodendron* Snapdragons
 Azalea Cherry* Cereus* Gardenia* Leatherleaf Fern* Pear* Rose* Strawberry
 Bird's-Nest Fern Chrysanthemum Dahlia* Dieffenbachia* Poinsettia* Peony* Sarcocolla* (Phlox)*
 *Non-bearing trees and shrubs that will not bear fruit within 12 months after application.
 Note: Certain varieties of strawberries are sensitive to "Ydote" L exhibiting severe phytotoxic symptoms. Known sensitive varieties that should not be treated with "Ydote" L include Bounty, Camarosa (RT 1362), Cardinal, Darro, Dunlop, Earldown, Earlglen, Empire, Halcay, Marlene, Midland, Midway, Miro, Miro, NY 1409, Opaline, Redglen, Redstar, Sequoia, Stark Red Sunrise, and Ventur. However, other varieties may also be sensitive. Therefore, "Ydote" L should be used initially only on a small scale to determine crop sensitivity prior to large scale field application.
 See separate Du Pont literature for additional plants.

INSECTS AND MITES including aphids, fungus fly, fungus gnats, Japanese beetle, leafhoppers, leafminers, mealybugs, royal palm bug, scales, thrips, white fly, and mites.
Foliar Treatment—Mix 2 to 4 gals. "Ydote" L per 100 gals. and apply up to 200 gals. of this mixture per acre or apply 4 to 8 pts. "Ydote" L per acre in a maximum of 600 gals. of water per acre for small areas. Mix 3 to 6 tablespoonsful "Ydote" L per 5 to 14 gals. water and apply to 1,000 sq. ft. Apply as needed to maintain control.

NEMATODES including root knot (except Japanese), sting, lesion, and burrowing nematodes.
 "Ydote" L may be used as a pretransplant soil treatment, as a drench or as a root, crown, or bulb dip. It may also be used as a foliar treatment alone or as a supplement to the above "Ydote" L or other nematocidal treatments. When transplanting plants should be set into soil within 24 hours after application.
Preplant Soil Incorporation Treatment—Apply 3 to 4 gals. "Ydote" L in a minimum of 20 gals. of water per acre. Thoroughly incorporate with a rotary tiller to a depth of 4 to 6 inches immediately after application. If applied in a band, use proportionately less material.
Soil Drench Treatment—Mix 2 1/2 to 4 gals. of "Ydote" L in 10 gals. of water. Spray 2 1/2 to 3 1/3 gals. of the dilute mix on to 1 cubic yard of soil while turning it. A soil moist (use 1 to 1 1/3 gals. for 1 bushel of soil).
Foliar Treatment—As a foliar treatment mix 2 to 4 gals. "Ydote" L per 100 gals. of water and apply as a dilute spray not to exceed 8 pts. per acre. Apply on a 2 to 3 week schedule for 4 applications. Apply first spray at first full leaf or when plant is in active growth phase. Do not apply to plants under water stress or to plants not actively growing. Include a spreader sticker.
Liquid Drench—Mix 1 pt. of "Ydote" L in 100 gals. of water (1 1/2 tablespoons/5 gals.) Apply drenches at a rate of 4 to 6 oz. per 6 inch pot or 2 to 4 oz. per 4 inch pot.
Root, Crown, or Bulb Dip—Mix 2 to 4 gals. of "Ydote" L in 100 gals. of water (3 to 6 tablespoons/5 gals.). Place plant material in solution for 1 to 30 minutes. Use the higher rate and longer soaking time for more severe nematode infestation.
 Note: Do not treat apple, cherry, peach, or pear planting stock by root dip.
 Note: Use only on commercial plantings; do not use on home plantings. Since varieties of ornamentals are numerous, continuously changing, and may respond differently to "Ydote" L, test "Ydote" L on a small scale before proceeding to large-scale application. Varietal response may also vary if "Ydote" L is mixed with other products.

NOTICE TO BUYER—Purchase of this material does not confer any rights under patents of countries outside of the United States.

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AGRICULTURAL BULLETIN



VYDATE® L INSECTICIDE/NEMATOCIDE
ORNAMENTALS

1575

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

SUPPLEMENTAL LABELING
EPA REG. NO. 352-372

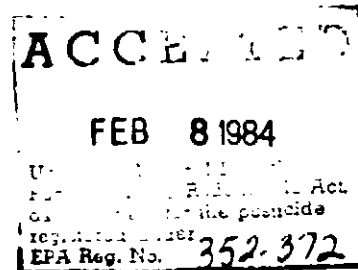
VYDATE® L INSECTICIDE/NEMATOCIDE FOR USE ON ORNAMENTALS

Du Pont Vydate® L Insecticide/Nematicide is recommended for use on certain commercial and farm plantings (not home plantings) of ornamentals, nursery stock, and non-bearing fruit trees for control of certain insects, mites, and nematodes.

INSECTS AND MITES CONTROLLED:

Aphids
Fungus Fly
Fungus Gnats
Japanese Beetle
Leafhoppers
Leafminers
Black Vine Weevil

Mealybugs
Mites
Royal Palm Bug
Scales
Thrips
White Fly



HOW TO USE

Large Areas - Mix 2 to 4 pts. Vydate® L per 100 gals. and apply up to 200 gals. of the mixture per acre as a foliar spray or apply 4 to 8 pts. Vydate® L per acre in a maximum of 600 gals. water per acre.

Small Areas - Mix 3 to 6 tablespoons Vydate® L per 5 to 14 gals. water and apply to 1,000 sq. ft.

Apply as needed to maintain control.

NEMATODES CONTROLLED:

Root Knot
Sting
Lesion

Burrowing
Stunt

HOW TO USE

Vydate® L may be used as a pre-transplant soil treatment, as a drench, or as a root, corm, or bulb dip. It may also be used as a foliar treatment alone or as a supplement to the above Vydate® L treatments or other nematicide treatments. When transplanting, plants should be set into soil within 24 hours after application.

Use the lower rates for light infestations of nematodes and the higher rates for severe infestations.

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YDATE® L
ORNAMENTALS

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FIELD GROWN PLANTS

Preplant Soil Incorporation Treatment - Apply 3 to 4 gals. Vydate® L in a minimum of 20 gals. of water per acre. Thoroughly incorporate with a rotary tiller to a depth of 4 to 8 inches immediately after application. If applied in a band, use proportionately less material.

Foliar Treatment - As a foliar treatment, mix 2 to 4 pints Vydate® L per 100 gals. of water and apply as a dilute spray, not to exceed 8 pints per acre. Apply on a 2- to 3-week schedule for 4 applications. Apply first spray at first full leaf or when plant is in active growth phase. Do not apply to plants under water stress or to plants not actively growing. Include a spreader sticker.

This treatment works best as a supplement to a complete nematocide program following soil fumigation or use of a contact nematocide prior to transplanting.

POTTED PLANTS

Soil Mix Treatment - Mix 2-3/4 fluid ounces of Vydate® L in 10 gals. of water. Spray 2-1/2 to 3-1/3 gals. of the dilute mix on to 1 cubic yard of soil while tumbling in a soil mixer (use 1 to 1-1/3 pints for 1 bushel of soil).

Liquid Drench - Mix 1 pint of Vydate® L in 100 gals. of water (1-1/2 tablespoons/5 gals.). Apply drenches at a rate of 4 to 8 ounces per 6-inch pot or 2 to 4 ounces per 4-inch pot.

ROOT, CORN, OR BULB DIP - Mix 2 to 4 pints of Vydate® L in 100 gals. of water (3 to 6 tablespoons/5 gals.). Place plant material in solution for 1 to 30 minutes. Use the higher rate and longer soaking time for more severe nematode infestation.

NOTE: Since varieties of ornamentals are numerous, continually changing, and may respond differently to Vydate® L, test Vydate® L on a small scale before proceeding to large-scale application. Varietal response may also vary if Vydate® L is mixed with other products. Do not use in Suffolk and Nassau Counties, Long Island, New York.

IMPORTANT

BEFORE USING YDATE® L, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

This bulletin contains new or supplemental instructions for use of this product which may not appear on package label. Follow the instructions carefully.

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VYDATE® L
ORNAMENTALS

ORNAMENTALS FOR WHICH VYDATE® L IS RECOMMENDED

<u>Specific Name</u>	<u>Common Name</u>
<u>Abies lasiocarpa</u>	Fir
<u>Acer</u>	Sugar Maple
<u>Aesculus splendens</u>	Buckeye
<u>Aloe spp.</u>	Medicine Plant
<u>Antirrhinum spp.</u>	Snapdragon
<u>Aphelandra squarrosa</u> Dania	Zebra Plant
<u>Aracecaria excelsa</u>	Norfolk Island Pine
<u>Ardisia spp.</u>	Ardisia
<u>Asparagus sprengeri</u>	Asparagus Fern
<u>Aucuba spp.</u>	Gold Dust Tree
<u>Begonia spp.</u>	Rieger begonia
<u>Berberis thunbergii</u>	Barberry
<u>Brassia actinophylla</u>	Schefflera
<u>Caladium spp.</u>	Caladium
<u>CalliCARpa spp.</u>	Mulberry
<u>CalliCARpa japonica</u>	Mulberry (French)
<u>Calycanthus floridus</u>	Allspice
<u>Chaenorrhinum spp.</u>	Snapdragon
<u>Chamaecyparis spp.</u>	Cypress (Cedar)
<u>Chamaedorea elegans</u>	Neanthebella Palm
<u>Chrysalidocarpus lutescens</u>	Madagascar Palm
<u>Chrysanthemum spp.</u>	Chrysanthemum
<u>Citrus spp.</u>	Citrus*
<u>Codiaeum spp.</u>	Croton
<u>Cotoneaster spp.</u>	Firethorn
<u>Crassula spp.</u>	Jade Plant
<u>Cytisus purpureus</u>	Broom
<u>Deutzia scabra</u>	Mock Orange
<u>Dianthus spp.</u>	Carnation
<u>Dieffenbachia amoena</u>	Dieffenbachia
<u>Dieffenbachia exotica</u>	
<u>Dieffenbachia seguine</u>	
<u>Dracaena spp.</u>	Dracaena
<u>Euonymus fortunei</u>	Euonymus
<u>Euonymus japonica</u>	Japanese Euonymus
<u>Fittoniamini</u>	Nerve Plant
<u>Fragaria spp.</u>	Strawberry*
<u>Gardenia jasminoides</u>	Gardenia
<u>Ginkgo biloba</u>	Ginkgo
<u>Gladiolus spp.</u>	Gladiolus
<u>Gynura sarmentosa</u>	Purple passion
<u>Gypsophila spp.</u>	Gypsophila

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VYDATEO L
ORNAMENTALS

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Hedera helix
Hibiscus spp.
Hibiscus calycinus
Hibiscus rosa-sinensis
Hoya carnosa krinkle kurl
Hypocyntha glabra
Hypoestes phylllostachya
Hypoestes sanguinoleta

Ilex crenata
Iris spp.
Ixora coconeae

Jasminum volubile
Juniperus spp.

Lagestromemia indica
Leucothoe fontanesiana
Ligustrum

Magnolia virginiana
Maranta kerchoveana
Mikania ternata

Nephrolepis exaltata bostoniensis

Osmanthus heterophyllus

Pachystachus spp.
Pelen rotundifolia
Pellionia pulchra
Pecny
Peperomia orba
Peperomia viridis
Philodendron
Philodendron macrophylla
Philodendron oxycardium
Philodendron sellum
Philodendron tobira
Picea spp.
Pieris floribende
Pilea aluminum
Pilea involucrata
Pilea microphylla
Pinus spp.
Portulaca grandiflora
Prunus spp.
Pseudotsuga menziesii
Pyrus spp.

Ivy
Hibiscus
Yellow hibiscus
Red hibiscus
Hoya or Hindu rope
Goldfish plant
Polka Dot
Pink Polka Dot

Holly
Iris
Red Ivora

Wax Jasmine
Juniper

Loosestrife
Fetterbush
Privet

Magnolia
Prayer Plant
Plush vine

Boston fern

Devilwood

Fern
Satin Pellionia

Astrid Peperomia

Philodendron
Podocarpus
Heart leaf Philodendron
Philodendron self heading
Jap Pittosporum
Spruce
Pieris
Aluminum plant
Friendship Pilea
Artillery plant
Pine
Moss rose
Plum*
Douglas fir
Apple*

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VYDATE® L
ORNAMENTALS

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Raystonea spp.
Rhamnus frangula
Rhododendron spp.
Rosa multiflora japonica
Rumohra adiantiformis

Saintpaulia ioantha
Sansevieria spp.
Saxifraga sarmentosa
Schlumbergera bridgesii
Scindapsus aureus
Sordus reflexipetalia
Spiraea spp.
Synogonium podophyllum variegatum

Taxus media Hicksii
Thuja occidentalis
Tsugu canadensis

Veitcha merilli
Verbena hortensis
Viburnum japonicum
Viola tricolor
Vinca rosea

Zygocactus spp.

Royal palm
Tallhedge
Azalea
Rose
Leatherleaf fern

African violet
Snake plant
Strawberry geranium
Christmas cactus
Devils ivy
Chokeberry
Spiraea
Variegated emerald gem

Yew
Arborvita
Hemlock

Christmas palm
Verbena springtime
Honeysuckle
Pansy
Periwinkle

Christmas cactus

* Non-bearing trees and strawberries that will not bear fruit within 12 months after application.



AGRICULTURAL BULLETIN



VYDATE® L INSECTICIDE/NEMATOCIDE
ORNAMENTALS

195

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

SUPPLEMENTAL LABELING
EPA REG. NO. 352-372

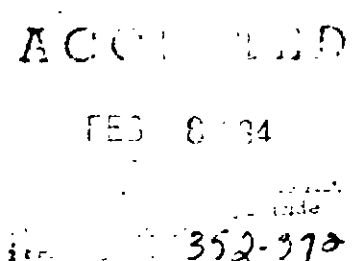
VYDATE® L INSECTICIDE/NEMATOCIDE FOR USE ON ORNAMENTALS

Du Pont Vydate® L Insecticide/Nematicide is recommended for use on certain commercial and farm plantings (not home plantings) of ornamentals, nursery stock, and non-bearing fruit trees for control of certain insects, mites, and nematodes.

INSECTS AND MITES CONTROLLED:

Aphids
Fungus Fly
Fungus Gnats
Japanese Beetle
Leafhoppers
Leafminers
Black Vine Weevil

Mealybugs
Mites
Royal Palm Bug
Scales
Thrips
White Fly



HOW TO USE

Large Areas - Mix 2 to 4 pts. Vydate® L per 100 gals. and apply up to 200 gals. of the mixture per acre as a foliar spray or apply 4 to 8 pts. Vydate® L per acre in a maximum of 600 gals. water per acre.

Small Areas - Mix 3 to 6 tablespoonfuls Vydate® L per 5 to 14 gals. water and apply to 1,000 sq. ft.

Apply as needed to maintain control.

NEMATODES CONTROLLED:

Root Knot
Sting
Lesion

Burrowing
Stunt

HOW TO USE

Vydate® L may be used as a pre-transplant soil treatment, as a drench, or as a root, corm, or bulb dip. It may also be used as a foliar treatment alone or as a supplement to the above Vydate® L treatments or other nematicide treatments. When transplanting, plants should be set into soil within 24 hours after application.

Use the lower rates for light infestations of nematodes and the higher rates for severe infestations.

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YDATE® L
ORNAMENTALS

- 2 -

FIELD GROWN PLANTS

Preplant Soil Incorporation Treatment - Apply 3 to 4 gals. Vydate® L in a minimum of 20 gals. of water per acre. Thoroughly incorporate with a rotary tiller to a depth of 4 to 8 inches immediately after application. If applied in a band, use proportionately less material.

Foliar Treatment - As a foliar treatment, mix 2 to 4 pints Vydate® L per 100 gals. of water and apply as a dilute spray, not to exceed 8 pints per acre. Apply on a 2- to 3-week schedule for 4 applications. Apply first spray at first full leaf or when plant is in active growth phase. Do not apply to plants under water stress or to plants not actively growing. Include a spreader sticker.

This treatment works best as a supplement to a complete nematocide program, following soil fumigation or use of a contact nematocide prior to transplanting.

POTTED PLANTS

Soil Mix Treatment - Mix 2-3/4 fluid ounces of Vydate® L in 10 gals. of water. Spray 2-1/2 to 3-1/3 gals. of the dilute mix on to 1 cubic yard of soil while tumbling in a soil mixer (use 1 to 1-1/3 pints for 1 bushel of soil).

Liquid Drench - Mix 1 pint of Vydate® L in 100 gals. of water (1-1/2 tablespoons/5 gals.). Apply drenches at a rate of 4 to 8 ounces per 6-inch pot or 2 to 4 ounces per 4-inch pot.

ROOT, CORM, OR BULB DIP - Mix 2 to 4 pints of Vydate® L in 100 gals. of water (3 to 6 tablespoons/5 gals.). Place plant material in solution for 1 to 30 minutes. Use the higher rate and longer soaking time for more severe nematode infestation.

NOTE: Since varieties of ornamentals are numerous, continually changing, and may respond differently to Vydate® L, test Vydate® L on a small scale before proceeding to large-scale application. Varietal response may also vary if Vydate® L is mixed with other products. Do not use in Suffolk and Nassau Counties, Long Island, New York.

IMPORTANT

BEFORE USING YDATE® L, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

This bulletin contains new or supplemental instructions for use of this product which may not appear on package label. Follow the instructions carefully.

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VYDATE® L
ORNAMENTALS

ORNAMENTALS FOR WHICH VYDATE® L IS RECOMMENDED

<u>Specific Name</u>	<u>Common Name</u>
<u>Abies lasiocarpa</u>	Fir
<u>Acer</u>	Sugar Maple
<u>Aesculus splendens</u>	Buckeye
<u>Aloe spp.</u>	Medicine Plant
<u>Antirrhinum spp.</u>	Snapdragon
<u>Aphelandra squarrosa</u> Dania	Zebra Plant
<u>Aracecaria excelsa</u>	Norfolk Island Pine
<u>Ardisia spp.</u>	Ardisia
<u>Asparagus sprengeri</u>	Asparagus Fern
<u>Aucuba spp.</u>	Gold Dust Tree
<u>Begonia spp.</u>	Rieger begonia
<u>Berberis thunbergii</u>	Barberry
<u>Brassia actinophylla</u>	Schefflera
<u>Caladium spp.</u>	Caladium
<u>Callicarpa spp.</u>	Mulberry
<u>Callicarpa japonica</u>	Mulberry (French)
<u>Calycanthus floridus</u>	Allspice
<u>Chaenorrhinum spp.</u>	Snapdragon
<u>Chamaecyparis spp.</u>	Cypress (Cedar)
<u>Chamaedorea elegans</u>	Neanthebella Palm
<u>Chrysalidocarpus lutescens</u>	Madagascar Palm
<u>Chrysanthemum spp.</u>	Chrysanthemum
<u>Citrus spp.</u>	Citrus*
<u>Codiaeum spp.</u>	Croton
<u>Cotoneaster spp.</u>	Firethorn
<u>Crassula spp.</u>	Jade Plant
<u>Cytisus purpureus</u>	Broom
<u>Deutzia scabra</u>	Mock Orange
<u>Dianthus spp.</u>	Carnation
<u>Dieffenbachia amoena</u>	Dieffenbachia
<u>Dieffenbachia exotica</u>	
<u>Dieffenbachia seguine</u>	
<u>Dracaena spp.</u>	Dracaena
<u>Euonymus fortunei</u>	Euonymus
<u>Euonymus japonica</u>	Japanese Euonymus
<u>Fittoniamini</u>	Nerve Plant
<u>Fragaria spp.</u>	Strawberry*
<u>Gardenia jasminoides</u>	Gardenia
<u>Ginkgo biloba</u>	Ginkgo
<u>Gladiolus spp.</u>	Gladiolus
<u>Gynura sarmentosa</u>	Purple passion
<u>Gypsophila spp.</u>	Gypsophila

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VIDATED L
ORNAMENTALS

- 2 -

Hedera helix
Hibiscus spp.
Hibiscus calycinus
Hibiscus rosa-sinensis
Hoya carnosia klinkle kurl
Hypocyntha glabra
Hypoestes phylllostachya
Hypoestes sanguinolenta

Ilex crenata
Iris spp.
Ixora coconeae

Jasminum volubile
Juniperus spp.

Lagestromia indica
Leucothoe fontanesiana
Ligustrum

Magnolia virginiana
Maranta kerchoveana
Mikania ternata

Nephrolepis exaltata bostoniensis

Osmanthus heterophyllus

Pachystachus spp.
Pelen rotundifolia
Pellionia pulchra
Peony
Peperomia orba
Peperomia viridis
Philodendron
Philodendron macrophylla
Philodendron oxycardium
Philodendron sellum
Philodendron tobira
Picea spp.
Pieris floribende
Pilea aluminum
Pilea involucrata
Pilea microphylla
Pinus spp.
Portulaca grandiflora
Prunus spp.
Pseudotsuga menziesii
Pyrus spp.

Ivy
Hibiscus
Yellow hibiscus
Red hibiscus
Hoya or Hindu rope
Goldfish plant
Polka Dot
Pink Polka Dot

Holly
Iris
Red Ivora

Wax Jasmine
Juniper

Loosestrife
Fetterbush
Privet

Magnolia
Prayer Plant
Plush vine

Boston fern

Devilwood

Fern
Satin Pellionia

Astrid Peperomia

Philodendron
Podocarpus
Heart leaf Philodendron
Philodendron self heading
Jap Pittosporum
Spruce
Pieris
Aluminum plant
Friendship Pilea
Artillery plant
Pine
Moss rose
Plum*
Douglas fir
Apple*

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352-372

VYDATE L
ORNAMENTALS

- 3 -

Raystonea spp.
Rhamnus frangula
Rhododendron spp.
Rosa multiflora-japonica
Rumohra adiantifolius

Saintpaulia ioantha
Sansevieria spp.
Saxifraga sarmentosa
Schlumbergera bridgesii
Scindapsus aureus
Sordus reflexipetalia
Spiraea spp.
Synogonium podophyllum variegatum

Taxus media Hicksii
Thuja occidentalis
Tsugu canadensis

Veitcha merilli
Verbena hortensis
Viburnum japonicum
Viola tricolor
Vinca rosea

Zygocactus spp.

Royal palm
Tallhedge
Azalea
Rose
Leatherleaf fern

African violet
Snake plant
Strawberry geranium
Christmas cactus
Devils ivy
Chokeberry
Spiraea
Variegated emerald gem

Yew
Arbervita
Hemlock

Christmas palm
Verbena springtime
Honeysuckle
Pansy
Periwinkle

Christmas cactus

* Non-bearing trees and strawberries that will not bear fruit within 12 months after application.

CAUTIONARY STATEMENTS TO HUMANS AND DOMESTIC ANIMALS DANGER POISON

**WARNING: MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED
MAY BE FATAL IF ABSORBED THROUGH SKIN OR INHALED**
Do not get in eyes, on skin, or on clothing.
Do not eat, drink, or smoke while using this product. Do not allow children or animals to enter the treated area.

Warning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, difficulty in breathing, constriction of pupils, sweating, slow pulse, muscle tremors.

NOTE TO PHYSICIAN
Do not use for treatment. Administer repeated doses, 1.2 to 2.0 mg intravenously every 10 to 30 minutes until respiration until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further use until recovery is assured.
If a patient has been exposed to Ydiate, Lind organophosphorous insecticides 2 PM the atropine sulfate treatment. Do not use morphine.

ENVIRONMENTAL HAZARDS
Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when wind is blowing. Do not contaminate water by cleaning of equipment or disposal of wastes.
Do not apply this product while bees are actively visiting the treatment area. The maximum bee activity.

PHYSICAL AND CHEMICAL HAZARDS
Irritant to eyes, skin, and mucous membranes. Keep container closed. Use with adequate ventilation.

Sealing, applying, or otherwise handling, wear protective clothing, goggles, and a mask or no safety and health administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health. Wash thoroughly after handling and before eating or drinking.

NOTICE OF WARRANTY
This is the chemical description on the label thereof and is reasonably fit for the purposes stated on such label under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of, or other unintended consequences may result because of such factors as weather conditions, presence of application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential damage or loss of profit. The user assumes all responsibility for the use of this product. DU PONT MAKES NO WARRANTY FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS

STORAGE AND DISPOSAL
Store below 32°F. Store product in original container only, away from other pesticides, fertilizer, food or feed. Not to be used for storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess material is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact your local, state, or federal government representative at the nearest EPA Regional Office for guidance.

Do not use for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state or local authorities, incineration. Do not burn. Do not use for any other purpose.

DIRECTIONS FOR USE
Product in a manner inconsistent with its labeling. Do not use in any manner inconsistent with its labeling. Do not use in any manner inconsistent with its labeling. Do not use in any manner inconsistent with its labeling.

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Suffolk and Nassau Counties, Long Island, New York

FIELD CROPS
COTTON
Do not apply more than 6 gals. per acre per season. Do not apply within 1 day of harvest.

PEANUTS
Do not apply more than 6 gals. per acre per season. Do not apply within 1 day of harvest.

ROOT KNOT (EXCEPT JAVANESE), LESION, STING, SPIRAL AND STUNT DISEASES
Do not apply more than 6 gals. per acre per season. Do not apply within 1 day of harvest.

TOBACCO
Do not apply more than 6 gals. per acre per season. Do not apply within 1 day of harvest.

ORNAMENTALS, NURSERY STOCK, NON-BEARING FRUIT TREES
Do not apply more than 6 gals. per acre per season. Do not apply within 1 day of harvest.

VEGETABLES
Do not apply more than 6 gals. per acre per season. Do not apply within 1 day of harvest.

NOTICE TO BUYER
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DANGER POISON

See Antidote on Front Panel

DIRECTIONS FOR USE—Continued from inside panel.
Do not enter treated areas without proper protective clothing until sprays have dried. Because certain states may require more restrictive reentry 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, workers should 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 or oral warnings must include the following information: DANGER—POISON. Area treated with Ydiate. Last date of application. Do not enter treated areas without appropriate protective clothing until sprays have dried. If warning symptoms appear, refer to Statement of Practical Treatment on front panel of Ydiate I label and seek medical attention at once.
Spray Preparation—For spray tank 1.4 to 1.2 full of water. Add Ydiate I directly to tank. Mix thoroughly while adding remaining water. No further agitation is necessary.

FRUITS

SPOTTED TENTHREED LEAFHOPPER—Apply 1 to 2 gals. Ydiate I per 100 gals. water as follows:
1st Broad Leafhopper—Adults and Larvae—Make one treatment at pink to red bloom—no petals opened.
2nd Broad Leafhopper—Larvae—Make an application when there are an average of 10 or more larvae per leaf in the sap feeding stage. For best results the application should be made before the larvae enter into the tissue feeding stage.

EUROPEAN RED WING AND TIGER SPIDER WING—
Established Populations of Wings—Apply 1 to 2 gals. Ydiate I per 100 gals. water as needed.
Low Populations (Preventive Control)—Apply 1.4 to 1.2 gal. Ydiate I per 100 gals. water before mites reach damaging numbers and control every 10 to 14 days to maintain control.

WHITE APPLE LEAFHOPPER—Apply 1 to 2 gals. Ydiate I per 100 gals. water every 10 to 14 days as needed. Begin application when significant numbers of leafhoppers are present.
Apply Ydiate I in sufficient water to obtain thorough coverage but not in excess of 400 gals. per acre.
Note: Do not apply at bloom or within 30 days after bloom, or fruit thinning may occur. Do not apply to apples within 14 days of harvest. Do not graze livestock in treated orchards.

CITRUS RUST MITE—Apply 1.4 to 1.2 gal. Ydiate I per 100 gals. water. Spray to run off using up to 400 gals. of water per acre. Do not apply more than 2 gals. of Ydiate I per acre.
Begin applications as soon as significant infestations are found and continue on as needed basis. Under light to moderate pressure apply every 2 to 3 weeks as long as the infestation continues.
DO NOT MAKE MORE THAN 6 APPLICATIONS PER YEAR.

CITRUS THrips—Apply 1 to 2 gals. of Ydiate I per acre in sufficient water (100 to 500 gals. per acre) to give good coverage. Apply in the early spring before bloom when the new growth is about 1 to 4 inches long. Make additional applications as needed until the new growth is mature. Applications of Ydiate I may be critical to prevent fruit scarring. Applications are also recommended during mid-summer to protect new growth on young trees.
Note: Do not apply to citrus within 7 days of harvest. Do not graze livestock in treated orchards.

PEARS—Use not registered in California.
EUROPEAN RED WING, EUROPEAN WING, TIGER SPIDER WING, PEAR RUST MITE—Apply 1 to 4 gals. Ydiate I per acre in 100 to 600 gals. of water by ground. For best results use a double application.
Make application when adults first appear and repeat as needed to maintain control. Use lower rate on light infestations and higher rate on heavy infestations.
Note: Do not apply at bloom or within 30 days after bloom, or fruit thinning may occur. Do not apply within 14 days of harvest. This product has been tested on Bartlett and Anjou varieties of pears without causing injury. Its use on other varieties should be on a small scale until the possibility of causing injury has been evaluated. Do not graze livestock in treated orchards.

NEWBORN AND ROOT KNOT DISEASES—
Preplant or Planting Treatment—Apply 2 to 4 gals. Ydiate I per acre broadcast within 1 week prior to planting and incorporate 4 to 6 inches into the soil.
Alternatively, apply 1 to 4 gals. Ydiate I per acre broadcast, or apply 1 to 4 gals. per acre directly to the soil no drip irrigation system, within 1 week after planting.
Subsequent Treatments—Apply 1 to 2 gals. Ydiate I per acre by ground equipment as a foliar spray at 2 to 4 week intervals in sufficient water to obtain thorough coverage. Begin applications when principle roots begin to grow following planting. Alternatively, apply 1 to 2 gals. Ydiate I per acre directly to the soil no drip irrigation system at 2, 4, or 8 week intervals. For best results, subsequent applications should be made after preplant or planting application of Ydiate I or a standard fungicide. Best results occur under optimum soil moisture conditions.
Note: Do not apply more than 24 gals. Ydiate I per acre on the plant crop or more than 12 gals. per acre on the ratoon crop. Do not apply within 30 days of harvest.

VEGETABLES

CARROTS—Use not registered in California.
ROOT KNOT (EXCEPT JAVANESE), LESION, STING, SPIRAL AND STUNT DISEASES—
Preplant Treatment—Apply 2 to 4 gals. of Ydiate I per acre in a minimum of 20 gals. water per acre as a broadcast treatment of the soil. Apply within one week of planting. Thoroughly incorporate to a depth of 4 to 6 inches in the soil.
In-Furrow Treatment—Apply 1 to 2 gals. of Ydiate I per acre in a minimum of 20 gals. water per acre in the seed furrow during the planting operation.
Continued below

ORNAMENTALS, NURSERY STOCK, NON-BEARING FRUIT TREES
Ydiate I is recommended for use on the following ornamentals, nursery stock and non-bearing fruit trees for control of insects, mites, and nematodes:
Acacia, Alder, Birch, Boxwood, Cherry, Citrus, Crape Myrtle, Dogwood, Elm, Forsythia, Ginkgo, Hawthorn, Hydrangea, Japanese Maple, Juniper, Lilac, Magnolia, Maple, Metrosideros, Norway Spruce, Pines, Redwood, Rose, Sycamore, Tamar, Tulip, Yew.
Note: Do not use Ydiate I on plants with known or suspected nematode infestation. Do not use Ydiate I on plants with known or suspected fungal disease. Do not use Ydiate I on plants with known or suspected bacterial disease. Do not use Ydiate I on plants with known or suspected viral disease. Do not use Ydiate I on plants with known or suspected root rot. Do not use Ydiate I on plants with known or suspected crown rot. Do not use Ydiate I on plants with known or suspected collar rot. Do not use Ydiate I on plants with known or suspected stem rot. Do not use Ydiate I on plants with known or suspected leaf spot. Do not use Ydiate I on plants with known or suspected blight. Do not use Ydiate I on plants with known or suspected canker. Do not use Ydiate I on plants with known or suspected dieback. Do not use Ydiate I on plants with known or suspected wilt. Do not use Ydiate I on plants with known or suspected other diseases or disorders.

INSECTS AND MITES including aphids, fungus gnats, Japanese beetle, leafhoppers, leafminers, mealybugs, root aphid, scale, thrips, white fly, and mites.
Foliar Treatment—Mix 2 to 4 gals. Ydiate I per 100 gals. of water and apply up to 200 gals. of this mixture per acre or apply 4 to 8 gals. Ydiate I per acre in a maximum of 600 gals. water per acre for small areas. Mix 3 to 6 tablespoons Ydiate I per 5 to 14 gals. water and apply to 1,000 sq. ft. Apply as needed to maintain control.
NEMATODES including root knot (except Japanese), sting, lesion, and burrowing nematodes.
Ydiate I may be used as a pretransplant soil treatment, as a drench or as a root, crown or bulb dip. It may also be used as a foliar treatment, alone or as a supplement to the above Ydiate I or other nematode treatments. When transplanting, plants should be set into soil within 24 hours after application.
Preplant Soil Incorporation Treatment—Apply 3 to 4 gals. Ydiate I in a minimum of 20 gals. of water per acre. Thoroughly incorporate with a rotary tiller to a depth of 4 to 6 inches immediately after application. If applied in a band, the proportionately less Ydiate I may be used.
Soil Mix Treatment—Mix 2.5 gals. of Ydiate I in 10 gals. of water. Spray 2 1/2 to 3 1/3 gals. of the dilute mix on to 1 cubic yard of soil. Mix thoroughly in a soil mixer (use 1 lb. 1/3 gals. for 1 bushel of soil).
Foliar Treatment—As a foliar treatment, mix 2 to 4 gals. Ydiate I per 100 gals. of water and apply as a drench spray, not to exceed 8 gals. per acre. Apply on a 2 to 3 week schedule for 4 applications. Apply first spray at first full leaf or when plant is in active growth phase. Do not apply to plants under water stress or to plants not actively growing. Include a spreader sticker.
Lined Drench—Mix 1 qt. of Ydiate I in 100 gals. of water (1 1/2 tablespoons/5 gals.) Apply drenches at a rate of 4 to 8 or per inch of soil or 2 to 4 qt. per inch of soil.
Bait, Crown or Bulb Dip—Mix 2 to 4 gals. of Ydiate I in 100 gals. of water (3 to 6 tablespoons/5 gals.) Place plant material in solution for 1 to 30 minutes. Use the higher rate and longer soaking time for more severe nematode infestation.
Note: Do not treat apple, cherry, peach or pear planting stock by root dip.
Note: Use only on commercial plantings; do not use on home plantings. Since varieties of ornamentals are numerous, continuously changing, and may respond differently to Ydiate I, test Ydiate I on a small scale before proceeding to large-scale application. Varietal response may also vary if Ydiate I is mixed with other products.

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LIRIOMYZA TRIFOLII
GRASSY (Florida)

CUCUMBER, CANTALOUPE, HONEYDEW MELON, WATERMELON, SQUASH

CUCUMBER, CANTALOUPE, HONEYDEW MELON, WATERMELON, SQUASH

DO NOT WRITE (EXCEPT ANSWERS), LEAVE BLANK SPACES AND STUDY RESPONSES—

Proplant and Planting Treatment—Apply 1 to 2 gals. "Yields" 1 per acre (broadcast), for band treatment, use proportionately less following application and before planting, incorporate "Yields" 2 to 4 inches into the soil. Use the low rate for light environments. Foliar Treatment—Apply 2 to 4 pts. "Yields" 1 per acre on sufficient water to obtain uniform coverage of foliage. Make the first application 2 to 4 weeks after planting and repeat 2 to 3 weeks later. Use the lower rate on light environments. The best results follow use of "Yields" 1 as a soil treatment as described above.

LEAFMINERS (*Limnania* spp.)—Apply 2 to 4 pts. "Hydrol" per acre in sufficient water to obtain uniform coverage of foliage. Make applications when insects first appear and repeat weekly or as needed. Apply the low rate for light or "outbreaks" of insects and the high rate for severe infestations.

When leafminer infestations occur annually, initiate treatment schedule 2 to 4 weeks after planting and repeat weekly or as needed. Do not use apply within 1 day of harvest.

REPLANT
APHIDS, COLORADO POTATO BEETLE, LEAFHOPPERS, AND WEEVILS—Apply 1 to 2 qts "Hydrol" 1 per acre by ground equipment as soon as the first insects appear. Repeat at 1 to 3 week intervals as needed.
NEMATODES (EXCEPT IN CALIFORNIA)—Apply 1 qt. "Hydrol" 1 per acre as a band treatment 2 to 3 weeks after transplanting and again 4 weeks later. Two to four applications, following these soil treatments, make 2 tuber applications of 2 qts per acre by ground equipment at 1 to 2 week intervals.

Note: Do not apply within 1 day of harvest when using only foliar applications or within 7 days of harvest when soil with foliar applications.

HOW TO USE (EXCEPT AMBLYOPES): SPILL, DRINK, SPOON, COOK, AND SPOON MEDICATIONS—
Important Water Treatment: Supplemental Folate Treatments—Apply 2 g. "Vitamin" 1 per acre. In the transplant water, and use a minimum of 200 gals. per acre. Under very high nematode populations, begin with a transplant water treatment and supplement with foliar sprays. For the best results, make the first foliar application 14 days after transplanting and continue in accordance with the label treatment described below.

GREEN PEACH APPLING, VEGETABLE LEAFMINER, AND PEPPER WEEVIL.—
Foliar Treatments—Apply 2 to 4 qt. "Yieldo" 1 lb. per acre in sufficient water (minimum 100 gal.) to obtain uniform coverage. Make another spray when insects first appear and repeat at 10- to 14-day intervals as needed. Apply per spray the least volume of chemicals.

Apply/apply when insects first appear and repeat at 1- to 2-week intervals or as needed. Apply less often for light infestations of insects.
Use highest recommended rates and shorter intervals for controlling severe infestations.
Note: Do not apply within 7 days of harvest.

POTATOES (except in California)
ROOT KNOT (EXCEPT JAPANESE), STINK, LESION AND RING NECROSIS (EXCEPT WEST OF THE ROCKIES); APHIDS; COLORADO
POTATO BEETLE, FLEA BEETLES, PINKY LEAFHOPPER, AND TANNED/BLACK FLIES

Broadcast Treatment—Apply 2 to 4 gals. of "Vydax" 1 per acre in a maximum of 20 gals. of water per acre as a band or broadcast treatment of the soil within one week of planting. Thoroughly incorporate to a depth of 4 to 6 inches in the soil.

Foliar Treatments.—For control of the above insects, apply 2 to 4 gals. "Vydale" L. per acre, except in the Midwest and Northeast where 1 to 4 gals. "Vydale" L. per acre may be used for Colorado potato beetle. Use sufficient water (minimum 4 gals. per acre by air) to obtain uniform coverage. Make applications when insects first appear and repeat at 5- to 7-day intervals or as needed. Apply the low rates for control of Colorado potato beetle.

SWEET POTATOES—Use not registered in California

Preplant Treatment—Apply 2 to 3 gals of "Vydale" 1 per acre in a minimum of 20 gals of water per acre as a broadcast treatment of the soil for band treatment use proportionately less. Apply within one week of planting. Thoroughly incorporate to a depth of 4 to 6 inches in the soil.

In-Furrow Treatment—As an alternate to the above, apply 1 to 2 gals of "Vydale" 1 per acre in a minimum of 250 gals of water per acre in the transplant water during the planting of slips.

Note: Do not apply as a transplant water treatment during periods of slow plant growth such as when temperatures fall below 45°F or

DO NOT apply as a transplant water treatment. Control of water quality is the primary treatment. See Chapter 47, 1, or Chapter 48, 1, for more information. **EXCEPT LIRIOPE, LIRIOPE, LIRIOPE**

SERPENTINE LEAFMINER—Apply 2 to 4 pts. "Yield" 1 per acre in sufficient water (minimum 100 gals.) to obtain uniform coverage. Make application when insect first appears and repeat at 5 to 7 day intervals as needed.

Apply the low rates for light infestations of insects. Use intermediate rates for heavier infestations of insects. Use the highest

FIELD CROPS
COTTON

COTTON LEAFFEEDER—Apply 1 to 4 pts "Vadate" 1 per acre in sufficient water to obtain thorough coverage. Make initial applications when damaging populations begin to build and continue on a 6 to 8 day schedule for up to 4 applications.

BOLL WEevil AND COTTON FLEAHOPPER—Apply 1.2 to 1 pt "Vadate" 1 per acre in sufficient water to obtain thorough coverage. Begin applications when damaging populations appear and repeat as needed to maintain control.

Note: Do not apply within 21 days of harvest. Do not graze or feed treated cotton to livestock.

PEANUTS – Use not registered in California
ROOT KNOT (EXCEPT JAVANES), **STING BING** and **LESION NEMATODES** AND **THRIPS** –
 Soil treatment – Apply 2 to 6 gals of oxydate 1 and 1 to 12" band using a minimum of 10 gal. of water per acre. Thoroughly incorporate with a rotary tiner to a depth of 3" to 5" 7-10 days after application. Use the higher rate and under band for severe infestations.

Foliar Treatment: Foliar treatment is to be used only following soil fumigation or following preplant or at planting soil application of nematicides. Peanuts should be planted within 24 hours after application. Atrazine + Vydate L may be applied in a 7" band 1 to 2 inches below planting. Use 2 to 6 gals in a maximum of 10 gals water per acre.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

DO NOT SUBJECT TO TEMPERATURES BELOW 32°F
E. I. DU PONT DE NEMOURS & CO. (INC), AGRICULTURAL CHEMICALS DEPT., WILMINGTON, DE

Do not use in Suffolk and Nassau.

Keep out of reach of children
DANGER — POISON

PELIGRO 

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a Physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by scratching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove from exposure and have patient lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. Never give anything by mouth to an unconscious person.

In case of contact, wash skin with plenty of soap and water. For eyes, flush with water for 15 minutes and get medical attention. Remove and wash contaminated clothing before re-entry.

ANTIDOTE IS AN ANTIDOTE — SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING

If vomiting symptoms appear (see statements on side panel), get medical attention.

See Side Panel for Poisoning Statements

PRECAUTIONAL USE INSTRUCTIONS: Is used as an insecticide, not for food purposes. Keep out of reach of children. Do not ingest. Do not inhale. Do not get on skin. Do not get in eyes. Do not get on clothing. Do not get on furniture. Do not get on food. Do not get on dishes. Do not get on glassware. Do not get on silverware. Do not get on cutlery. Do not get on linens. Do not get on curtains. Do not get on drapes. Do not get on upholstery. Do not get on carpets. Do not get on rugs. Do not get on floors. Do not get on walls. Do not get on ceilings. Do not get on windows. Do not get on doors. Do not get on frames. Do not get on trim. Do not get on moldings. Do not get on baseboards. Do not get on crown molding. Do not get on wainscoting. Do not get on paneling. Do not get on wallpaper. Do not get on paint. Do not get on varnish. Do not get on oil. Do not get on grease. Do not get on dirt. Do not get on dust. Do not get on debris. Do not get on trash. Do not get on garbage. Do not get on waste. Do not get on sewage. Do not get on water. Do not get on air. Do not get on soil. Do not get on plants. Do not get on animals. Do not get on humans. Do not get on insects. Do not get on birds. Do not get on fish. Do not get on reptiles. Do not get on amphibians. Do not get on mollusks. Do not get on arachnids. Do not get on nematodes. Do not get on fungi. Do not get on bacteria. Do not get on viruses. Do not get on parasites. Do not get on protozoa. Do not get on helminths. Do not get on arthropods. Do not get on myxozoa. Do not get on ciliates. Do not get on flagellates. Do not get on amoebae. Do not get on dictyostelids. Do not get on slime molds. Do not get on lichens. Do not get on mosses. Do not get on ferns. Do not get on gymnosperms. Do not get on angiosperms. Do not get on fungi. Do not get on bacteria. Do not get on viruses. Do not get on parasites. Do not get on protozoa. Do not get on helminths. Do not get on arthropods. Do not get on myxozoa. Do not get on ciliates. Do not get on flagellates. Do not get on amoebae. Do not get on dictyostelids. Do not get on slime molds. Do not get on lichens. Do not get on mosses. Do not get on ferns. Do not get on gymnosperms. Do not get on angiosperms.

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INSECTICIDE/ NEMATOCIDE WATER SOLUBLE LIQUID
1 GALLON CONTAINS 2 LBS. OXAMYL

ACTIVE INGREDIENT: Oxamyl
Methyl N,N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thioxamimidate 24%
INERT INGREDIENTS 76%
EPA Reg. No. 159-181-0403 (EPA Reg. No. 159-181-0403) (EPA Reg. No. 159-181-0403)

PHYSICAL AND CHEMICAL H

Harmless jump away from heat, sparks and open flame. Need could not have been more obvious.

When mixing spray loading, applying or otherwise handling see instructions. When mixing spray loading, applying or otherwise handling see instructions.

respirator jointly approved by the Mine Safety and Health Administration (formerly Bureau of Mines) and the National Institute for Occupational Safety and Health. Wear clean clothes daily. Wash face after work.

with other conditions. Do not drive from areas deemed to not constitute safety hazards. This product is flammable. Do not apply to direct application. Do not add any product which applications to coincide with periods of minimum fire activity.

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