



FOR AGRICULTURAL USE ONLY

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Pesticide Disposal — Open dumping is prohibited. Pesticide that cannot be used should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Do not contaminate water, food or feed by storage, disposal, or cleaning of equipment.

Container Disposal — Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place. Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

DI-SYSTON systemic insecticide enters the plants through the root system. The insecticide, when placed near the roots, is picked up and moves in the sap stream to all parts of the plant where it kills insects as they feed on the plant.

Apply CENEX Fertilizer plus Insecticide as recommended herein, opposite the crop of intended use. A band treatment at planting time, delivering insecticide on both sides of the row is faster acting and gives greater crop protection.

Important: When used on sugar beets or beans at the maximum rate, under adverse conditions such as extremely cold and wet or extremely dry weather, may cause some delay emergence, stunting of seedlings or reduction of stand. Such damage may be more pronounced in light, sandy soils. Plant injury may occur or be enhanced by certain premergence herbicides used in the soil. Do not apply to areas occupied by unprotected humans or domestic animals.

Recommended Uses and Insects Controlled

CROP	INSECTS	DOSAGE	REMARKS
Alfalfa and clover	Aphids, mites	200 lbs per acre	Apply broadcast as needed, but not within 7 days of harvest or grazing. Allow a minimum of 28 days between applications.
Beans (Snap, Lima, Dry)	Aphids, leaf hopper, mites, thrip and Mexican bean beetle larvae	200 to 400 lbs per acre	Apply at planting time in a band on each side of seed row. Do not apply directly on the seed. Dry Beans: Application can be made as a side dress after beans are established but at least 60 days before harvest. Do not apply more than once per season. Read Important Statement under Directions for Use for additional information before use on this crop.
Corn	Rootworm, aphids, mites, thrips and leaf hoppers	200 lbs per acre (40 row spacing) or 15 lbs per 1,000 feet of row (for any row spacing)	For control of corn root worms, place the granules in a 4 to 6 inch band directly behind the planter shoe in front of the press wheel. Do not place granules in direct contact with the seed. A second application may be applied to the soil as a side dress treatment later in the season. For control of aphids, mites, thrips and leaf hoppers, apply granules to the soil as a side dress treatment. Do not apply within 40 days of harvesting for food or feed purposes.
Peas	Aphids, leaf hoppers	200 lbs per acre	Apply at planting time in a band on each side of seed row. Do not apply directly on the seed. Do not apply more than once per season. Read Important Statement under Directions for Use for additional information before use on this crop.
Potatoes	Aphids, flea beetles, leaf hoppers, mites, Colorado potato beetle, Colorado potato leafhopper	400 to 600 lbs per acre	Apply at planting time in a band on each side of seed row. Do not apply directly on the seed. Do not apply more than once per season. Read Important Statement under Directions for Use for additional information before use on this crop.

9-23-30 Systemic-D

fertilizer plus insecticide

Contains 0.5% DI-SYSTON®

Statement of Ingredients for Insect Control

Active Ingredient: 0,0-diethyl s-[2-(ethylthio) ethyl] phosphorodithioate . . . 0.5%
Inert Ingredients 99.5%
100.0%

Statement of Fertilizer Ingredients

Total Nitrogen (N) 9%
Available Phos. Acid (P₂O₅) 23%
Water Sol. Potash (K₂O) 30%

KEEP OUT OF REACH OF CHILDREN WARNING

If swallowed — Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled — Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin — Remove contaminated clothing and wash affected areas with soap and water.

If in eyes — Flush eyes with plenty of water. Call a physician immediately.

Never give anything by mouth to any unconscious person.

Note to Physician: DI-SYSTON is an acetyl cholinesterase inhibitor. Atropine is antidotal.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS & DOMESTIC ANIMALS WARNING

May be fatal if swallowed, inhaled, or absorbed through the skin. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear clean, natural rubber gloves, and freshly laundered protective clothing when handling. Wash thoroughly after handling and before eating or smoking. Use only with adequate ventilation. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to wildlife and fish. Use with care when applying in areas frequented by wildlife or adjacent to any body of water. Birds and other wildlife feeding on treated areas may be killed. Cover or incorporate granules which are spilled during loading and which are visible on soil surfaces in such areas. Keep out of lakes, streams, or ponds.

DI-SYSTON is a Reg. TM of the Parent Company of Farb- und Fabrik Bayer GmbH, Leverkusen.

E.P.A. Registration No. 912-43
E.P.A. Establishment No.

CROP	INSECTS	DOSAGE	REMARKS
Sugar Beets	Aphids, leaf hoppers and mites	11 1/2 lbs per 1,000 feet of row (for any row spacing), or 200 lbs per acre	Place the granules in the seed furrow 2 inches under the seed or in a band on each side of the seed furrow at planting. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest. Allow a minimum of 21 days between applications. Read Important Statement under DIRECTIONS FOR USE for additional information before use on this crop.
	Root maggot in North Dakota and Minnesota	8 1/2 lbs per 1,000 feet of row (for any row spacing), or 200 lbs per acre	Apply in a 4 to 6 inch band directly behind the planter shoe in front of the press wheel. The granules should be placed approximately 1 inch above the seed. Do not allow granules to come into direct contact with the seed. Read Important Statement under DIRECTIONS FOR USE for additional information before use on this crop.
Brussel Sprouts	Aphids, flea beetles, leaf hoppers, mites and thrips	200 lbs per acre (36" row spacing) or 13 1/2 lbs per 1,000 feet of row (for any row spacing)	Transplant Seed Beds: Apply evenly over bed area at the rate of 200 lbs per acre. Work into the top 2 or 3 inches of soil and seed beds in the normal manner. An alternative seed bed treatment may be made by broadcasting evenly over the plants after emergence and watering thoroughly. Do not apply more than one seed bed treatment. Field applications: Apply in a band on each side of the row at planting and where necessary as a side dressing after plants become established. Do not apply directly on the seed. Do not apply more than two field applications per season nor within 30 days of harvest for brussel sprouts or 40 days of harvest for cauliflower. Allow a minimum of 21 days between applications.
Cauliflower	Aphids, flea beetles and leafhoppers		
Broccoli	Aphids, flea beetles and leaf hoppers	200 lbs per acre (36" row spacing) or 13 1/2 lbs per 1,000 feet of row (for any row spacing)	Transplant Seed Beds: Apply granules evenly over bed area at the rate of 200 pounds per acre. Work into the top 2 to 3 inches of soil and seed beds in normal manner. An alternative seed bed treatment may be made by broadcasting the granules evenly over the plants after emergence and watering thoroughly. Do not apply more than one seed bed treatment. Field applications: Apply as a band on each side of the row at planting or as a side dressing after plants become established. Do not apply more than one field application per season.
Cabbage	Aphids and flea beetles		
	Root aphid	21 1/2 lbs per 1,000 feet of row (for any row spacing)	Field applications: Apply as a band on each side of the row at planting or as a side dressing after plants become established. Do not apply more than one field application per season.
Squash	Aphids, leaf hoppers, mites and thrips	400 to 600 lbs per acre	Apply at planting time in a band on each side of seed row. Do not apply directly on the seed. Do not apply more than once per season. Read Important Statement under Directions for Use for additional information before use on this crop.
Strawberries (see patterns only)	Aphids, mites, leaf hoppers, mites	400 to 600 lbs per acre	Apply at planting time in a band on each side of seed row. Do not apply directly on the seed. Do not apply more than once per season. Read Important Statement under Directions for Use for additional information before use on this crop.
Tomatoes	Aphids, flea beetles, leaf hoppers, mites, Colorado potato beetle, Colorado potato leafhopper	200 to 400 lbs per acre	Field Applications: Apply at planting time in a band on each side of seed row. Do not apply directly on the seed. Do not apply more than once per season. Read Important Statement under Directions for Use for additional information before use on this crop.

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Container Disposal — Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place. Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

DI-SYSTON systemic insecticide enters the plants through the root system. The insecticide, when placed near the roots is picked up and moves in the sap stream to all parts of the plant where it kills insects as they feed on the plant.

Apply CENEX Fertilizer plus Insecticide as recommended herein, opposite the crop of intended use. A band treatment at planting time, delivering insecticide on both sides of the row is faster acting and gives greater crop protection.

Important: When used on sugar beets or beans at the maximum rate, under adverse conditions such as extremely cold and wet or extremely dry weather, may cause some delay emergence, stunting of seedlings or reduction of stand. Such damage may be more pronounced in light, sandy soils. Plant injury may occur or be enhanced by certain preemergence herbicides used in the soil. Do not apply to areas occupied by unprotected humans or domestic animals.

Recommended Uses and Insects Controlled

CROP	INSECTS	DOSAGE	REMARKS
Alfalfa and clover	Aphids, mites	200 lbs per acre	Apply broadcast as needed, but not within 7 days of harvest or grazing. Allow a minimum of 28 days between applications.
Beans (Snap, Lima-Dry)	Aphids, leaf hopper, mites, thrip and Mexican bean beetle larvae	200 to 400 lbs per acre	Apply at planting time in a band on each side of seed row. Do not apply directly on the seed. Dry Beans Application can be made as a side-dress after beans are established but at least 60 days before harvest. Do not apply more than once per season. Read Important Statement under Directions for Use for additional information before use on this crop.
Corn	Rootworm, aphids, mites, thrips and leaf hoppers	200 lbs per acre (40 row spacing) or 15 lbs per 1,000 feet of row (for any row spacing)	For control of corn root worms, place the granules in a 4 to 6 inch band directly behind the planter shoe in front of the press wheel. Do not place granules in direct contact with the seed. A second application may be applied to the soil as a side-dress treatment later in the season. For control of aphids, mites, thrips and leaf hoppers, apply granules to the soil as a side-dress treatment. Do not apply within 40 days of harvesting for food, feed or ensilage. Do not apply more than twice per season.
Peas	Aphids, leaf hoppers	200 to 500 lbs per acre	Apply by drilling or broadcast at planting time, or as a side dress beside the row after peas emerge. Do not apply within 50 days of harvest, nor more than once per season.
Potatoes	Aphids, flea beetles, leaf hoppers, potato psyllid, Colorado potato beetle (early only)	400 to 600 lbs per acre	Broadcast application. Apply as a pre-plant broadcast application. Work granules into soil to a depth of 2 to 3 inches using a disc or other suitable equipment. Plant crop in usual manner. A post-emergence side dress may also be made at rates of 28 1/2 to 43 1/2 lbs per 1,000 feet of row (for any row spacing) after the plants become established. Row treatments: Place the granules in the seed furrow in a band on each side of the seed furrow at planting. An additional application may also be made as a side-dress after plants become established. Do not make more than two applications per season, nor apply within 75 days of harvest. Higher rate to be used in organic soils.

9-23-30 Systemic-D

fertilizer plus insecticide

Contains 0.5% DI-SYSTON®

Statement of Ingredients for Insect Control

Active Ingredient:
0,0-diethyl S-[2-(ethylthio)ethyl] phosphorodithioate . . . 0.5%
Inert Ingredients 99.5%
100.0%

Statement of Fertilizer Ingredients

Total Nitrogen (N) 9%
Available Phos. Acid (P₂O₅) 23%
Water Sol. Potash (K₂O) 30%

KEEP OUT OF REACH OF CHILDREN WARNING

If swallowed — Call a physician or Poison Control Center immediately. Drink one or two glasses of water; and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled — Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin — Remove contaminated clothing and wash affected areas with soap and water.

If in eyes — Flush eyes with plenty of water. Call a physician immediately.

Never give anything by mouth to any unconscious person.

Note to Physician: DI-SYSTON is an acetyl cholinesterase inhibitor. Atropine is antidotal.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS & DOMESTIC ANIMALS

WARNING

May be fatal if swallowed, inhaled, or absorbed through the skin. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear clean, natural rubber gloves, and freshly laundered protective clothing when handling. Wash thoroughly after handling and before eating or smoking. Use only with adequate ventilation. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARD

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DI-SYSTON is a Reg. TM of the Parent Company of Farb- und Fabrik Bayer GmbH, Leverkusen

E.P.A. Registration No. 912-43
E.P.A. Establishment No.

NET WEIGHT

Manufactured for
FARMERS UNION CENTRAL EXCHANGE, INC.
St. Paul, Minnesota 55104

CROP	INSECTS	DOSAGE	REMARKS
Sugar Beets	Aphids, leaf hoppers and mites	11 1/2 lbs per 1,000 feet of row (for any row spacing) or 200 lbs per acre	Place the granules in the seed furrow 2 to 3 inches under the seed or in a band on each side of the seed furrow at planting. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest. Allow a minimum of 21 days between applications. Read Important Statement under DIRECTIONS FOR USE for additional information before use on this crop.
Root maggot in North Dakota and Minnesota		8 1/2 lbs per 1,000 feet of row (for any row spacing) or 200 lbs per acre	Apply in a 4 to 6 inch band directly behind the planter shoe in front of the press wheel. The granules should be placed approximately 1 inch above the seed, not allow granules to come into direct contact with the seed. Read Important Statement under DIRECTIONS FOR USE for additional information before use on this crop.
Brussel Sprouts	Aphids, flea beetles, leaf hoppers and thrips	200 lbs per acre (36" row spacing) or 13 1/2 lbs per 1,000 feet of row (for any row spacing)	Transplant Seed Beds: Apply evenly over bed area at the rate of 200 lbs per acre. Work into the top 2 or 3 inches of soil and seed beds in the normal manner. An alternative seed bed treatment may be made by broadcasting evenly over the plants after emergence and watering thoroughly. Do not apply more than one seed bed treatment. Field applications: Apply in a band on each side of the row at planting and where necessary as a side-dressing after plants become established. Do not apply directly on the seed. Do not apply more than two field applications per season, nor within 30 days of harvest for brussel sprouts, or 40 days of harvest for cauliflower. Allow a minimum of 21 days between applications.
Cauliflower	Aphids, flea beetles and leafhoppers		Field applications: Apply in a band on each side of the row at planting and where necessary as a side-dressing after plants become established. Do not apply directly on the seed. Do not apply more than two field applications per season, nor within 30 days of harvest for brussel sprouts, or 40 days of harvest for cauliflower. Allow a minimum of 21 days between applications.
Broccoli	Aphids, flea beetles and leaf hoppers	200 lbs per acre (36" row spacing) or 13 1/2 lbs per 1,000 feet of row (for any row spacing)	Transplant Seed Beds: Apply granules evenly over bed area at the rate of 200 pounds per acre. Work into the top 2 to 3 inches of soil and seed beds in normal manner. An alternative seed bed treatment may be made by broadcasting the granules evenly over the plants after emergence and watering thoroughly. Do not apply more than one seed bed treatment. Field applications: Apply as a band on each side of the row at planting or as a side-dressing after plants become established. Do not apply more than one field application per season. Do not use within 14 days of harvest for broccoli, or 42 days of harvest for cabbage.
Cabbage	Aphids and flea beetles Root aphid	21 1/2 lbs per 1,000 feet of row (for any row spacing)	Field applications: Apply as a band on each side of the row at planting or as a side-dressing after plants become established. Do not apply more than one field application per season. Do not use within 14 days of harvest for broccoli, or 42 days of harvest for cabbage.
Spinach	Aphids, leaf hoppers, mites and thrips	200 lbs per acre (20 row spacing) or 7 1/2 lbs per 1,000 feet of row (for any row spacing)	Apply in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed.
Strawberries (New plantings only)	Aphids, mites (except cyclamen mite)	400 to 600 lbs per acre (42 row spacing) or 32 1/2 to 65 lbs per 1,000 feet of row (for any row spacing)	Apply as side-dress on each side of row or by broadcast as needed. Do not use fruit from treated plants as food.
Tomatoes	Aphids, flea beetles, leaf hoppers, leaf miners, mites, Colorado potato beetle (early season reduction)	200 to 600 lbs per acre (36 row spacing) or 15 to 43 1/2 lbs per 1,000 feet of row (for any row spacing)	Field Applications: Apply in a band on each side of the row at planting time and where necessary as a side-dressing after plants become established. Do not apply directly on the seed. When two field applications are required use only 15 to 30 lbs per 1,000 feet of row or 28 1/2 to 43 1/2 lbs per acre. Allow a minimum of 21 days between applications. Do not apply within 30 days of harvest.

Read Important Statement under Directions for Use on this crop.

*Do not place treated zones (band or furrow) closer together than 6 inches.

NOV 15 1982

Farmers Union Central Exchange
Box 43089
St. Paul, MN 55164

Attention: Mr. Lenson

Gentlemen:

Subject: Amendment - Add Uses - Genex 9-23-30 Systemic-D
Fertilizer Plus Insecticide Contains
0.5% Di-Syston
EPA Registration No. 912-43
Your Application Dated October 21, 1982

10/29/82

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of the label is enclosed for your records.

The word "insecticide" is misspelled in your product name. Prior to marketing, please correct this error.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure