

**DIRECTIONS FOR USE**

**IMPORTANT** Read these entire Directions and Conditions of Sale before using DI-SYSTON Liquid Concentrate systemic insecticide.

**CONDITIONS OF SALE** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. FAILURE TO FOLLOW THESE DIRECTIONS OR THE OCCURRENCE OF WEATHER CONDITIONS THAT ARE EXTRAORDINARY OR UNUSUAL FOR THE USE AREA MAY RESULT IN UNSATISFACTORY PERFORMANCE OF THE PRODUCT. CHEMAGRO AND THE SELLER OFFER AND THE BUYER ACCEPTS AND USES THIS PRODUCT SUBJECT TO THE ABOVE-MENTIONED CONDITIONS WHICH ARE BEYOND THE CONTROL OF CHEMAGRO AND THEREFORE THE RESPONSIBILITY OF THE BUYER.

DI-SYSTON systemic insecticide enters the plant by absorption through the roots. The insecticide passed on to the roots is translocated to all parts of the plant and kills sucking insects feeding on the plant.

The formulation of DI-SYSTON Liquid Concentrate is highly versatile and offers many means of application. It can be sprayed, broadcast, or applied to the soil in a variety of ways. It is suitable for use in a variety of crops and conditions. Application may be made in a water emulsion or with liquid fertilizer. For use with liquid fertilizer, use specially designed equipment for the application of fertilizer. Do not use traps for which less than 1 quart liquid concentrate per acre is the recommended dosage. When mixing with certain liquid fertilizer, use the use of COMPEX, a compatibility agent. For the equivalent of 1 pint of the rate of 1.3 quart per 100 gal. of mixture may be needed to assure proper mixing. Time and method of application and limits for use are listed in detail for each specific crop under Remarks below.

**RECOMMENDED APPLICATIONS**

**IMPORTANT** When used on common sugar beets, tomatoes, beans, or lettuce at the maximum recommended rates under adverse conditions such as extremely cool or wet or extremely dry weather, DI-SYSTON may cause some delay in emergence, stunting of seedlings, or reduction of stand. Such damage may be more pronounced in light sandy soils. Plant injury may also occur or may be enhanced when certain pre-emergent herbicides are used in conjunction with DI-SYSTON.

**RESTRICTIONS**

Not for home garden use. Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not treat food crops grown in the greenhouse. Do not apply in any manner not specified on the label.

This product is toxic to fish, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

**CONTAINER DISPOSAL**

**DO NOT RE-USE THE CONTAINER** Completely empty the contents and bury the unused chemical at least 18 inches deep in an isolated location away from water supplies.

Reuse empty can by filling with water and adding 2 tablespoonfuls of household lye. Bury rinse solution at least 18 inches deep in an isolated area away from water supply. Punch holes in the top and bottom of the can, and bury deeply in an isolated location.

Do not use container in any connection with feed, food, and drinking water.

**DANGER**

Poisonous if swallowed, inhaled, or absorbed through the skin. Rapidly absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear protective clothing, natural rubber gloves, and goggles.

Do not breathe fumes or spray mist. Wear a mask or respirator effective for protection against DI-SYSTON insecticide. Information as to suitable types of mask and respirator is available from the U.S. Bureau of Mines.

Do not contaminate feed or food. Keep out of reach of children. Keep all unprotected persons out of the operating area or vicinity. Wash hands, arms and face thoroughly with soap and warm water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

**SYMPTOMS OF POISONING** A sense of "tightness" in the chest, sweating, contracted pupils, stomach pain, vomiting and diarrhea.

**TREATMENT** In case of poisoning, call a physician immediately. Have patient lie down and keep quiet. If swallowed, induce vomiting by giving a tablespoonful of salt in a glass of warm water. Administer milk or water freely and again induce vomiting until vomit fluid is clear. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes.



**TO PHYSICIAN:**

**ANTIDOTE** Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

DI-SYSTON is a Reg. TM of the Parent Company of Farbwerke Bayer G.M.B.H. Leverkusen. EPA Reg. No. 3125 MO 1-578090

Phosphorus (Virginia & Georgia)  
Aphids 1 to 1-1/3 pints  
Mites  
Application by Aircraft: Apply in sufficient water to obtain coverage of less than 6 gallons total volume per acre. Do not use more than 3 gallons per acre within 30 days of harvest. Do not graze or cut for forage within 30 days of harvest. Do not graze or cut for forage within 30 days of harvest.



**DI-SYSTON**  
**LIQUID CONCENTRATE**  
**SYSTEMIC INSECTICIDE**  
**FORMULATED FOR EFFECTIVE SOIL TREATMENT**

Contains 6 lbs. O,O-Diethyl S-2-ethylthioethyl phosphorodithioate per gallon.

**NET CONTENTS 1 GALLON**

**POISON**  
**DANGER**  
**KEEP OUT OF REACH OF CHILDREN**

<b>ACTIVE INGREDIENTS:</b>	
O,O-Diethyl S-2-ethylthioethyl phosphorodithioate	65%
Aromatic Petroleum Distillate	27%
<b>INERT INGREDIENTS</b>	8%
	100%

EPA Reg. No. 3125-119-AA

**Chemagro**  
Agricultural Division  
Methyl Chloride Division  
P.O. Box 1000, St. Louis, Mo. 63103

**RECOMMENDED APPLICATIONS**

CROP	INSECT	DOSAGE—DI-SYSTON Liquid Concentrate	REMARKS						
Barley Oats	Aphids Mites	1.3 pints per acre	Apply as a soil injection in a water emulsion or with liquid fertilizer at planting time. Do not apply within 20 days of harvest. Do not graze or cut for forage within 30 days of treatment.						
Corn	Rootworms Aphids leafhoppers Mites Thrips	1.6 fl. ounces per 1,000 feet of row for any row spacing* for 40 inch row spacing use 1.3 pints per acre	<b>TREATMENT AT PLANTING TIME.</b> As a water emulsion, spray in a 4 to 6 inch band directly behind the planter shoe in front of the press wheel or apply with liquid fertilizer in split bands on each side of the corn row. Do not apply directly to the seed. Do not graze or cut for forage or ensilage within 28 days of treatment. <b>POST-PLANT SIDE-DRESS TREATMENT.</b> An alternative treatment for early season control of aphids, leafhoppers, mites and thrips, may be made in a water emulsion or with liquid fertilizer as a soil injection on each side of the furrow after emergence. Do not graze or cut treated corn for food, feed, or ensilage within 28 days of treatment.						
	Aphids Mites Corn rootworms (adults)	2.3 to 1.3 pints Note: Apply only one soil treatment and one foliar treatment per crop season	<b>FOLIAR TREATMENT.</b> Apply specified dosage per acre as a foliar spray in sufficient water for thorough coverage. Do not less than 1 gallon total volume per acre. For adult corn rootworms apply when there is an average of 3 to 5 beetles per plant. Do not graze or cut treated corn for food, feed, or ensilage within 28 days of treatment.						
Cotton	Aphids Mites Thrips	1 to 1.6 fluid ounces per 1,000 feet of row for any row spacing* or .75 to 1.3 pints per acre 40 inch row spacing	<b>Preplant:</b> As a preplant soil incorporated treatment DI-SYSTON LC may be applied in approximately a 16 inch band as a water emulsion either alone or with a pre-emergent herbicide. Request Chemagro Bulletin No. DS-6720 for specific recommendations on a herbicide to be used with DI-SYSTON. <b>Planting:</b> Apply as a water emulsion or with liquid fertilizer. Spray in the furrow on either side of the seed or soil inject on each side of the furrow. Do not apply directly on the seed. <b>RATE CHART FOR PREPLANT OR PLANTING TIME APPLICATION</b> <table border="1"> <tr> <th>Heavy Soil</th> <th>Medium Soil</th> <th>Light Soil</th> </tr> <tr> <td>1.6 fl. ozs. LC 1,000 ft. of row or 1.3 pts. LC/acre</td> <td>1.3 fl. ozs. LC 1,000 ft. of row or 1 pt. LC/acre</td> <td>1 fl. oz. LC 1,000 ft. of row or 3/4 pt. LC/acre</td> </tr> </table>	Heavy Soil	Medium Soil	Light Soil	1.6 fl. ozs. LC 1,000 ft. of row or 1.3 pts. LC/acre	1.3 fl. ozs. LC 1,000 ft. of row or 1 pt. LC/acre	1 fl. oz. LC 1,000 ft. of row or 3/4 pt. LC/acre
			Heavy Soil	Medium Soil	Light Soil				
1.6 fl. ozs. LC 1,000 ft. of row or 1.3 pts. LC/acre	1.3 fl. ozs. LC 1,000 ft. of row or 1 pt. LC/acre	1 fl. oz. LC 1,000 ft. of row or 3/4 pt. LC/acre							
Aphids Thrips	1.4 to 3.4 pints Note: If foliar applications are made do not apply soil treatments within the same crop year	<b>FOLIAR—Prior to Bloom.</b> Apply specified dosage per acre as a foliar spray using aircraft or ground equipment, in sufficient water for thorough coverage but not less than 1 gallon total volume per acre. Repeat as necessary but do not apply more than 3 times per season with the last application no later than bloom.							
Peanuts	Thrips	1 gallon per acre	<b>BROADCAST APPLICATION.</b> Apply specified dosage per acre as a preplant broadcast application. Incorporate into soil to a depth of 3 to 6 inches using a disc or other suitable equipment. Plant crop in usual manner. Do not apply more than once per season.						
			Aphids Leafhoppers Mites Thrips	1.5 to 3 fluid ozs per 1,000 ft. of row for any row spacing* or 1.3 to 2.6 pints per acre 36 inch row spacing	Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting or inject as a side dressing after plants are established, and where necessary at pegging time. Do not apply directly on the seed.				
Sorghum	Aphids Greenbugs	1.2 to 1.6 fl. oz per 1,000 feet of row for any row spacing* for 40 inch row spacing use 1 to 1.3 pints per acre	<b>AT PLANTING APPLICATION—FURROW</b> Apply as a water emulsion or in liquid fertilizer in the seed furrow approximately 1/2 inch above the seed. Do not apply directly on the seed.						
		1.6 fl. oz per 1,000 feet of row for any row spacing* for 40 inch row spacing use 1-1.3 pints per acre	<b>AT PLANTING APPLICATION—BAND</b> Apply as a water emulsion or in liquid fertilizer in a 4 to 6 inch band directly behind the planter shoe in front of the press wheel. Do not apply directly on the seed. <b>NOTE:</b> The following side dress and/or foliar applications may be made in addition to granular or liquid at planting applications. A total of 5 applications may be made to a single sorghum crop: 2 soil applications, granular or liquid, plus 3 foliar applications of rates 2.3 pints or less/acre.						
		1.6 fl. oz per 1,000 feet of row for any row spacing* for 40 inch row spacing use 1-1.3 pints per acre	<b>POST PLANTING APPLICATION—SIDE-DRESS</b> Apply as a water emulsion or with liquid fertilizer injected into the row on both sides of the furrow at any time up to boot stage.						
Aphids Greenbugs	1.3 to 2.3 pints per acre	<b>POST PLANTING APPLICATION—FOLIAR SPRAY—A Maximum of 3 Foliar Applications May Be Made at Rates of 2.3 Pints or Less/Acre.</b> Apply specified dosage per acre in sufficient water to obtain thorough coverage. For aerial application use not less than 1 gallon of water per acre. Use not less than 1 gallon of water per acre with ground equipment. For Midge, make one application when 50% of the seed heads have emerged from the boot. Make a second application 3 to 5 days later. (Continued next column)							

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**RECOMMENDED APPLICATIONS**

REMARKS						
<p>Apply as a soil injection in a water emulsion or with liquid fertilizer at planting time. Do not apply within 60 days of harvest or cut for forage within 30 days of treatment.</p>						
<p><b>SOIL APPLICATION AT PLANTING TIME</b> As a water emulsion, spray in a 6-inch band directly behind the planter shoe in front of the wheel or apply with liquid fertilizer in split bands on each side of the corn row. Do not apply directly to the seed. Do not apply to cut-treated corn for feed, feed or ensilage within 28 days of treatment.</p>						
<p><b>SOIL SIDE-DRESS TREATMENT</b> An alternative treatment for season-long control of aphids, leafhoppers, mites and thrips. Apply in a water emulsion or with liquid fertilizer as a side dressing on each side of the furrow after emergence. Do not apply to cut-treated corn for feed, feed or ensilage within 28 days of treatment.</p>						
<p><b>TREATMENT</b> Apply specified dosage per acre as a foliar spray in sufficient water for thorough coverage, but not less than 1 gallon total volume per acre. For adult corn rootworms apply at an average of 3 to 5 beetles per plant. Do not apply to cut-treated corn for feed, feed or ensilage within 28 days of treatment.</p>						
<p>As a preplant soil incorporated treatment, DI SYSTON may be applied in approximately a 16 inch band as a water emulsion or with a pre-emergent herbicide. Request a Bulletin No. DS 6720 for specific recommendations on herbicide to be used with DI SYSTON.</p> <p>Apply as a water emulsion or with liquid fertilizer in the seed furrow on either side of the seed or soil injection on each side of the furrow. Do not apply directly on the seed.</p>						
<p><b>SOIL APPLICATION FOR PREPLANT OR PLANTING TIME APPLICATION</b></p> <table border="1"> <thead> <tr> <th>Soil</th> <th>Medium Soil</th> <th>Light Soil</th> </tr> </thead> <tbody> <tr> <td>1.5 ft. or less LC/acre</td> <td>1.3 fl. ozs. LC 1,000 ft. of row or 1 pt. LC/acre</td> <td>1 pt. oz LC 1,000 ft. of row or 3/4 pt. LC/acre</td> </tr> </tbody> </table> <p><b>NOTE:</b> If an additional treatment is needed, apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the row. A single post-plant application at rates up to 1/2 of LC acre may be applied up to first squaring, 90 days before harvest or a single post-plant application at rates up to 1/2 of LC acre may be applied up to 28 days of harvest. Do not apply more than twice per season. Allow a minimum of 30 days between applications. Read "IMPORTANT" statement under "Recommended Applications" for additional information on this crop.</p>	Soil	Medium Soil	Light Soil	1.5 ft. or less LC/acre	1.3 fl. ozs. LC 1,000 ft. of row or 1 pt. LC/acre	1 pt. oz LC 1,000 ft. of row or 3/4 pt. LC/acre
Soil	Medium Soil	Light Soil				
1.5 ft. or less LC/acre	1.3 fl. ozs. LC 1,000 ft. of row or 1 pt. LC/acre	1 pt. oz LC 1,000 ft. of row or 3/4 pt. LC/acre				
<p><b>Prior to Bloom</b> Apply specified dosage per acre as a foliar spray using aircraft or ground equipment, in sufficient water for coverage but not less than 1 gallon total volume per acre as necessary but do not apply more than 3 times on with the last application no later than bloom.</p>						
<p><b>LAST APPLICATION</b> Apply specified dosage per acre as a soil broadcast application. Incorporate into soil to a depth of 6 inches using a disc or other suitable equipment. Plant in usual manner. Do not apply more than once per season.</p>						
<p>Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting or inject as a side dressing after plants are established and where necessary at planting time. Do not apply directly on the seed.</p>						
<p><b>PLANTING APPLICATION - FURROW</b> Apply in a water emulsion or with liquid fertilizer in the seed furrow approximately 1/2 inch above the seed. Do not apply directly on the seed.</p>						
<p><b>PLANTING APPLICATION - BAND</b> Apply in a water emulsion or with liquid fertilizer in a 4 to 6 inch band directly behind the planter shoe in front of the press wheel. Do not apply directly on the seed.</p>						
<p>Soil and foliar applications may be made in addition to soil applications. A total of 5 applications may be made to corn, granular or liquid, plus 3 foliar applications of DI SYSTON.</p>						
<p><b>PLANTING APPLICATION - SIDE-DRESS</b> Apply in a water emulsion or with liquid fertilizer injected into both sides of the furrow at any time up to boot stage.</p>						
<p><b>PLANTING APPLICATION - FOLIAR SPRAY - A Maximum of 5 Applications May Be Made of Rates 2.3 Pints or Less per Acre.</b> Apply specified dosage per acre in sufficient water to obtain thorough coverage. For aerial application use not less than 1/2 gallon of water per acre. Use not less than 5 gallons of water with ground equipment. For Midge, make one application 10% of the seed heads have emerged from the husk. Make a second application 3 to 5 days later. (Continued next column)</p>						

**RECOMMENDED APPLICATIONS**

(Continued)

CROP	INSECT	DOSAGE - DI-SYSTON Liquid Concentrate	REMARKS												
Sorghum (continued)	Banks grass mites In Texas including Texas Panhandle area and in Oklahoma	2.3 to 11.3 pints per acre	<p><b>DAYS FROM LAST APPLICATION TO HARVEST</b></p> <p><b>FOR FOLIAR RATES OF 1.3 TO 2.3 PINTS PER ACRE</b></p> <table border="1"> <thead> <tr> <th>APPLICATION SCHEDULE</th> <th>FOR GRAIN</th> <th>FOR FORAGE OR FODDER</th> </tr> </thead> <tbody> <tr> <td>Any soil plus any foliar</td> <td>34</td> <td>34</td> </tr> <tr> <td>1 or 2 foliars</td> <td>7</td> <td>28</td> </tr> <tr> <td>3 foliars</td> <td>34</td> <td>34</td> </tr> </tbody> </table> <p><b>For Banks Grass Mites:</b> The 2.3 pint rate may be applied as directed above for aphids. Rates above 2.3 pints per acre may not be applied if any soil applications have been made. If rates above 2.3 pints per acre are used, do not apply more than twice per crop season nor within 7 days of harvest or grain or 28 days of use as forage or fodder.</p>	APPLICATION SCHEDULE	FOR GRAIN	FOR FORAGE OR FODDER	Any soil plus any foliar	34	34	1 or 2 foliars	7	28	3 foliars	34	34
			APPLICATION SCHEDULE	FOR GRAIN	FOR FORAGE OR FODDER										
			Any soil plus any foliar	34	34										
1 or 2 foliars	7	28													
3 foliars	34	34													
Sugar Beets	Aphids Leaf-hoppers Mites	1.3 pints per acre	Apply in a water emulsion or with liquid fertilizer. Spray in the seed furrow 2 inches under the seed or inject on each side of the seed furrow at planting or inject as a side dressing after plants are established. 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 "Recommended Applications" for additional information before use on this crop.												
Sugarcane (Puerto Rico Only)	Aphids	0.5 to 0.75 pints per acre	Apply specified dosage per acre as a foliar spray in sufficient water for thorough coverage utilizing either an aircraft or ground sprayer. Approximately 4 gallons of water per acre should be used when making aircraft applications. Begin applications when aphids first appear. Repeat as necessary but not more than 4 times per season nor within 28 days of harvest.												
Tobacco	Flea beetles	5.1-3 pints 2-3 gallon per acre	Apply as a water emulsion broadcast spray in sufficient water for thorough coverage. Disk or till the soil to a depth of 2 to 3 inches before setting plants. Do not make more than one field application per crop season regardless of the formulation of DI-SYSTON used.												
Wheat	Aphids (Green-hoppers) Mites	1.3 to 1 pint per acre	<p><b>For application by aircraft or ground equipment.</b> Apply specified dosage per acre in sufficient water to obtain thorough coverage but not less than 1 gallon total volume per acre. Use the lower rates or plants up to tillering (stooling). Higher rates should be used after plants begin to tiller.</p> <p><b>For application in liquid fertilizer.</b> Mix 1/2 to 1 pint of DI-SYSTON Liquid Concentrate in the amount of liquid fertilizer to be applied per acre. Apply this mixture as a top dressing with suitable ground equipment.</p> <p><b>Fall Applications:</b> Two applications may be made in the fall. Allow 30 days between applications.</p> <p><b>Spring Applications:</b> Application of green up may be made following fall applications. A second application may be made 30 days following the first spring application. Do not make any applications within 30 days of grain harvest.</p>												
			<p><b>NOTE</b></p> <p>Do not graze treated fields after any application of DI SYSTON Liquid Concentrate.</p>												
Wheat (Fall)	Hessian fly	1.3 pints per acre	Apply as a soil injection in water emulsion or with liquid fertilizer at planting time in the fall.												
SEED FIELD CROP			Apply specified dosage by aircraft or ground equipment in sufficient water to obtain thorough coverage but not less than 1 gallon total volume per acre. Do not apply more than 4 times per season nor within 14 days of harvest. Chaff and hulls from treated seed crop may be used for feed or forage, however, do not cut green crop for these purposes.												
Alfalfa	Aphids Mites	2.3 to 11.3 pints per acre	Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the row as needed. Do not use fruit from treated plants for food purposes.												
FRUIT			Apply with liquid fertilizer as a soil injection. Repeat as necessary but not more than twice per crop period nor within 60 days of harvest. When 2 treatments are used, do not ensile foliage less than 1 year after last application.												
Pineapple (Hawaiian Islands Only)	Mealybug	3.3 pints per acre	Apply with liquid fertilizer as a soil injection. Repeat as necessary but not more than twice per crop period nor within 60 days of harvest. When 2 treatments are used, do not ensile foliage less than 1 year after last application.												
NON-BEARING FRUIT			Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the row as needed. Do not use fruit from treated plants for food purposes.												
Strawberries (Propagating Plants Only)	Aphids Mites (except cyclamen mite)	3.6 to 6.8 fluid ounces per 1,000 feet of row for any row spacing or 2.6 to 5.3 pints per acre 42 inch row spacing	Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the row as needed. Do not use fruit from treated plants for food purposes.												
NUTS			Apply by spraying 6 foot bands of soil on both sides of the trees. The bands should be located under the main drip area of the trees. Work the treated soil to a depth of 2 to 3 inches. On irrigated pecans apply water as soon as possible after treatment. Make only 1 application per season. Early spring treatment is recommended. Do not harvest nuts within 80 days of treatment.												
Pecans (South Central & South Western States Only)	Aphids	2 to 4 pints per acre	Apply by spraying 6 foot bands of soil on both sides of the trees. The bands should be located under the main drip area of the trees. Work the treated soil to a depth of 2 to 3 inches. On irrigated pecans apply water as soon as possible after treatment. Make only 1 application per season. Early spring treatment is recommended. Do not harvest nuts within 80 days of treatment.												
Pecans	Aphids	1.3 to 1.2 pint	<b>Foliar Applications:</b> Apply specified dosage in 100 gallons of water as a full coverage spray using a minimum of 400 gals of finished spray per acre. Repeat as necessary up to 3 times per season. Do not apply within 30 days of harvest. Do not graze grass under treated trees.												
VEGETABLES			For snap or green lima beans, apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting time only. For dry beans, apply as above at planting time or inject as a side dressing on each side of the row after plants have been established but not within 60 days of harvest. Do not apply directly on the seed. Do not apply more than once per season. Read "IMPORTANT" statement under "Recommended Applications" for additional information before use on this crop.												
Beans	Aphids Leaf-hoppers Mexican bean beetle (larvae) Mites Thrips	1.25 to 2.5 fluid ounces per 1,000 feet of row for any row spacing or 1.3 to 2.6 pints per acre 40 inch row spacing. For extremely narrow row spacing, do not exceed the 2.6 pints per acre rate.	For snap or green lima beans, apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting time only. For dry beans, apply as above at planting time or inject as a side dressing on each side of the row after plants have been established but not within 60 days of harvest. Do not apply directly on the seed. Do not apply more than once per season. Read "IMPORTANT" statement under "Recommended Applications" for additional information before use on this crop.												

**RECOMMENDED APPLICATIONS**

(Continued)

CROP	INSECT	DOSAGE - DI-SYSTON Liquid Concentrate	REMARKS
VEGETABLES (Continued)			
Brussels Sprouts	Aphids Flea beetles Leaf-hoppers Mites Thrips	2.3 to 11.3 pints per acre	<b>Transplant Seed Beds:</b> Apply in a water emulsion or with liquid fertilizer as an injection on each side of the seed furrow at planting time only. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest.
Cauliflower	Aphids Flea beetles Leaf-hoppers	2.3 to 11.3 pints per acre	<b>Field Applications:</b> Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting time only. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest.
Broccoli	Aphids Flea beetles Leaf-hoppers	2.3 to 11.3 pints per acre	<b>Transplant Seed Beds:</b> Apply in a water emulsion or with liquid fertilizer as an injection on each side of the seed furrow at planting time only. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest.
Cabbage	Aphids Flea beetles Root aphids	2.2 to 11.3 pints per 1,000 feet of row for any row spacing	<b>Field Applications:</b> Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting time only. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest.
Lettuce	Aphids Leaf-hoppers Mites Thrips	7.5 to 14.6 fluid ounces per 1,000 feet of row for any row spacing or 1.3 to 2.6 pints per acre 20 inch row spacing	<b>Spring or Summer Seeded Lettuce:</b> Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting time only. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest.
Peas	Aphids Leaf-hoppers	1.3 to 3.3 pints per acre	<b>Fall or Winter Seeded Lettuce:</b> Apply specified dosage in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting time only. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest.
Potatoes	Aphids	4 to 5.1-3 pints per acre	<b>SOIL APPLICATION - PRE-PLANT BROADCAST:</b> Apply specified dosage per acre as a pre-plant broadcast application. Incorporate to a depth of 2 to 3 inches. Plant crop in usual manner. Do not make more than two soil applications of DI SYSTON per crop season regardless of method of application or formulation used.
	Aphids Flea Beetles (except tuber flea beetles) Leafhopper Potato psyllid Southern potato wireworm Colorado potato beetle (early season reduction)	3 to 4.6 fl. ozs per 1,000 feet of row for any row spacing or 2.6 to 4 pints per acre	<b>SOIL APPLICATION - FURROW:</b> Apply undiluted in specially designed equipment for low volume soil injection or apply in a water emulsion or with liquid fertilizer as an in-furrow spray or injection on each side of the seed furrow at planting. An additional side dress application may be made as a water emulsion injection after plants become established. Do not make more than two soil applications of DI SYSTON per crop season regardless of method of application or formulation used. Do not make a second soil application within 75 days of harvest. Higher rate to be used in organic soils.
Spinach	Green peach aphids	1.2 to 1.1-3 pints per acre	<b>FOLIAR APPLICATIONS:</b> Apply specified dosage per acre in sufficient water to obtain thorough coverage, but not less than 1 gallon total volume per acre. Begin applications when pest first appears. Use the higher rates for heavy infestations. Repeat as necessary, but not more than 3 times per season nor within 30 days of harvest.
	Aphids Leaf-hoppers Mites Thrips	0.8 fluid ounces per 1,000 feet of row for any row spacing or 1.3 pints per acre 20 inch row spacing	<b>NOTE:</b> Foliar applications may be made in addition to soil treatment as recommended above on the label for DI SYSTON 35 Granular.
Tomatoes	Aphids Flea beetles Leaf-hoppers Mites Colorado potato beetle (early season reduction)	1.3 to 1.4 fluid ounces per 1,000 feet of row for any row spacing or 1.3 to 2.6 pints per acre 20 inch row spacing	<b>Transplant Seed Beds:</b> Apply evenly over bed area in a water emulsion as a broadcast spray prior to seeding at the rate of 4 pints per acre. Work into the top 2 to 3 inches of soil and plant seed in normal manner.
			<b>Field Applications:</b> Apply specified dosage in a water emulsion or with liquid fertilizer as an injection on each side of the seed furrow at planting time only. Do not apply directly on the seed. When 2 field applications are required, use only 1.6 to 3.2 fluid ounces per 1,000 feet of row or 1.3 to 2.6 pints per acre injected on each side of the seed furrow or transplanted seed at planting and as a side dressing after plants are established. Allow a minimum of 21 days between applications. Do not apply within 30 days of harvest.
			<b>NOTE - Florida Only:</b> Rates of 1.4 fluid ounces per 1,000 feet of row with 20 inch row spacing may be applied to hot pepper and jalapeno peppers on each side of the seed furrow or transplanted seed at planting time only, or where 2 field applications are required, use 1.4 fluid ounces per 1,000 feet of row with a 12 inch row spacing at planting time and 1.2 fluid ounces per 1,000 feet of row as a side dressing after plants have been established. Do not apply within 30 days of harvest. Read "IMPORTANT" statement under "Recommended Applications" for additional information before use on this crop.

FOR ROW CROPS, WHERE ROW SPACING IS EXTREMELY NARROW, DO NOT PLANT TREATED ZONES BAND OR FURROW CLOSER TOGETHER THAN 2 INCHES.

DI-SYSTON LIQUID CONCENTRATE  
EPA Reg. No 3125-119

NEW RECOMMENDATIONS

CROP	INSECT	DOSAGE DI-SYSTON Liquid @ 7.5	REMARKS
Tobacco (Flue-cured) (Virginia & Georgia)	Aphids	5-1/3 pints (2/3 gallon) per acre	Apply as a water emulsion broadcast spray in sufficient water for thorough coverage. Disk or till the soil to a depth of 2 to 3 inches before setting plants. Do not make more than one field application per crop season regardless of the formulation of DI-SYSTON used.
Peanut	Aphids	1 to 1-1/3 pints	Application by Aircraft: Apply specified dosage per acre in sufficient water to obtain thorough coverage but not less than 5 gallons total volume per acre. Do not apply more than 3 times per season nor within 30 days of harvest. Do not graze or cut treated trees.

SEEK HELP IN CASE OF LOSS TO READ AND FOLLOW THE OTHER USE AND HANDLING DIRECTIONS AND PRECAUTIONS FOUND ON THE PRODUCT LABEL.



**DI-SYSTON**  
LIQUID CONCENTRATE  
SYSTEMIC  
Under the Federal Insecticide, Fungicide, and Rodenticide Act

CROP	INSECT	DOSAGE—DI-SYSTON Liquid Concentrate	RECOMMENDED APPLICATIONS
<b>FIELD CROPS</b> Barley Oats	Aphids Mites	1.3 pints per acre	Apply as a soil injection at planting time. Do not graze or cut for 28 days of treatment.
Corn	Root-worms Aphids Leaf-hoppers Mites Thrips	1.6 fl. ounces per 1,000 feet of row for any row spacing* (for 40 inch row spacing use 1.3 pints per-acre)	<b>TREATMENT AT PLANTING</b> a 4- to 6-inch band directly behind the press wheel or apply each side of the corn row not forage or cut treated for 28 days of treatment. <b>POST-PLANT SIDE-DRESS</b> for early season control may be made in a water soil injection on each side of forage or cut treated corn days of treatment.
	Aphids Mites Corn rootworms (adults)	2/3 to 1-1/3 pints Note: Apply only one soil treatment and one foliar treatment per crop season.	<b>FOLIAR TREATMENT.</b> Apply spray in sufficient water 1 gallon total volume per acre when there is an average forage or cut treated corn days of treatment.
Cotton	Aphids Mites Thrips	1 to 1.6 fluid ounces	<b>Preplant:</b> As a preplant LC may be applied in an emulsion either alone or with a herbicide to be used with Chemagro Bulletin No. D-1. <b>Planting:</b> Apply as a water emulsion in the furrow on each side of the furrow. <b>RATE CHART FOR PREPLANT</b>

FOR USE

Read Conditions of Sale before using this insecticide.  
TESTS FOR CORRECT USE OF THIS PRODUCT WERE DETERMINED FOR A RANGE OF WEATHER CONDITIONS THAT ARE ORDINARY AND WHERE THE PRODUCT IS USED. THE OCCURRENCE OF WEATHER UNUSUAL FOR THE USE AREA MAY AFFECT THE PERFORMANCE OF THE PRODUCT. BUYER ACCEPTS AND USES UNDER THE CONDITIONS WHICH ARE SET FORTH IN THE CONDITIONS OF SALE BEFORE THE RESPONSIBILITY FOR CORRECT USE OF THIS PRODUCT IS ASSIGNED TO THE BUYER.

absorption through the roots. It is applied to all parts of the plant.

Chemagro is highly versatile and offers a wide range of application. It can be injected into the furrow at planting time or applied as a broadcast spray. It can be made in water emulsion or as a soil injection. It is designed equipment for low volume application. When mixing with certain pesticides, a compatibility agent is required. 100 gal. of mixture may be applied. Application and limits are given under "Remarks" below.

**DANGERS**  
Do not use on peas, beans, or lettuce at planting time. Such damage may be caused by application. Do not graze or cut treated corn for 28 days of treatment.

Do not use for food or forage on crops above those shown in the green label.

Do not use on birds and other wildlife. Do not use in weather conditions where cleaning of equipment is specified on label.