264-1011

12/6/2010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

12-6-2010

Ms. Sherry Movassaghi, Ph.D. Registration Product Manager Bayer CropScience P.O. Box 12014 Research Triangle Park, NC 27709

Subject: Notification of storage and disposal language update EPA Registration Number: 264-1011 Date of Submission: August 23, 2010

Dear Ms. Movassaghi:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration (PRN)98-10 dated August 23, 2010, for the abovementioned product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Samantha Hulkower at (703) 603-0683.

Sincerely

Mark Suarez Product Manager 13 Insecticide Branch Registration Division (7505P)

Enclosures:

Copy of Label Stamped "Notification"

Please read instructions	on n	verse before comple	tina form		Form A	pprovec	B No 20	70-006	2/22 0. Approval expires 2-28-95
₽EPA	United States EPA Environmental Protection Washington, DC 20460			-		 Registrati Amendmod ✓ Other 		ion	OPP Identifier Number
			Applicati	on for Pe	esticide - Se	ction	1		
1. Company/Product Number 264-1011				2. EPA Product Manager 3. Proposed Classific Olga Odiott			oposed Classification		
4. Company/Product (N Decis 1.5 EC Insec		e			PM# Team 13				
5. Name and Address o Bayer CropSCien P.O. Box 12014, 3 Research Triangle	ce 2 T.V	V. Alexander Dri		(t is sim	nilar or identic	al in co	FIFRA Section 3(c)(3) mposition and labeling
Check i	f this	is a new address			Product Name	·	······	·	
				Secti	on - II				
Amendment - Ex	respo	onse to Agency letter	dated		Final prin Agency I "Me Too Other - E	etter dat " Applic	ation.	to	
Addition of EPA propos CONTACT: Sherry Mo	vassa	ghi, sherry.movassagi		science.com	eg. No. 264-1011) Dn - III	label to o	comply with PR	Notice 2	
1. Material This Produc									· · · · · · · · · · · · · · · · · · ·
Child-Resistant Packagi Yes No • Certification mus be submitted		Unit Packaging Yes No If "Yes" Unit Packaging wgt	No. per conteiner	Water Soluble Packaging Yes No If "Yes" No. per Package wgt contained			2. Type of C	ontainer Metal Plastic Glass Paper Other (S	
3. Location of Net Cont	I.	nformation ontainer	4. Size(s) Re	atail Containe	er l	5. Lo	cation of Labe	l Directio	ons
6. Manner in Which Lat	oel is a	Affixed to Product	Litho Papel Stend	graph r glued siled	Ot	her			
				Sectio	on - IV				
1. Contact Point (Com	olete i	items directly below	for identificati	on of individ	ual to be contacte	d, if nec	essary, to proc	ess this	application.)
Name Sherry Mova	issag	hi		Title Product R	egistration Mana	ger, Ins		elephon 919-549-	e No. (Include Area Code) 2156
	at any	nents I have made or y knowlinglly false or aw.		d all attachm					6. Date Application Recrived (Stamped)
2. Signature they Monassayte				3. Title Product Re	. Title Product Registration Manager, Insecticide				
4. Typed Name Sherry	Mova	assaghi		5. Date	Bate 8-23-2010				
									L

•

Bayer CropScience

BAYER E R

August 23, 2010

Ms. Olga Odiott Registration Division (H7505C) Office of Pesticide Programs U.S. Environmental Protection Agency One Potomac Yard 2777 S. Crystal Drive Arlington, VA 22202

Re: Decis 1.5 EC (EPA Reg No. 264-1011) and Decis 0.2 EC (EPA Reg. No. 264-1007). Submission of Revised Label for updating label with EPA proposed container disposal language

Dear Ms. Odiott:

In accordance with PR Notice 98-10, we are submitting a Notification to update Envidor® 2SC Miticide (EPA Reg. No. 264-831) label with EPA proposed container disposal language per PR Notice 2007-4.

This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.140, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

In support of this Notification, we are submitting the following:

1- Application for Pesticide (EPA Form 8570-1) for Decis 0.2 EC and Decis 1.5 EC.

2- Two copies of each updated Decis 0.2 EC and Decis 1.5 EC Labels (one shaded for your comparison).

If you have any question, please contact me either by telephone at 919-549-2156 or email at <u>sherry.movassaghi@bayercropscience.com</u>.

Sincerely,

, Monassayte

Sherry Movassaghi, Ph.D. Registration Product Manager

Bayer CropScience, Regulatory Affairs

Bisyer CropScience R TP P. O. Box 12014 R TP. NC 27709 Tel. 919 549-2000

RESTRICTED USE PESTICIDE

DUE TO ACUTE TOXICITY AND TOXICITY TO FISH AND AQUATIC ORGANISMS

For retail sale to and use only by certified applicators or persons under their supervision and only for those uses covered by the certified applicator's certification.

3 Group Insecticide

DECIS® 1.5EC Insecticide

For Insect Control on Bulb Vegetables, Cucurbit Vegetables, Fruiting Vegetables, Root Vegetables (except Sugarbeets), Tuberous and Corm Vegetables, Pome Fruits, Tree Nuts, Canola and Rapeseed, Cotton, Field Corn, Popcorn, Sweet Corn, Soybeans, Sorghum and Sunflowers.

ACTIVE INGREDIENT:	Percent b	y Weight
(1R,3R)-3(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylic acid (S)- alpha-cyano-	3-phenoxy-benzyl e	ster 16.6% *
INERT INGREDIENTS**		83.4%
*Equivalent to 1.5 lb. active ingredient per U.S. gallon.	TOTAL	100.0%
**Contains petroleum distillates		

E.P.A. Reg. No. 264-1011

E.P.A. Est. No.



ģ

KEEP OUT OF REACH OF CHILDREN DANGER POISON PELIGRO - VENENO



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaile. (If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For <u>PRODUCT USE</u> Information Call 1-866-99BAYER (1-866-992-2937)

	FIRST AID
IF SWALLOWED:	Immediately call a poison control center or doctor for treatment advice.
	 Do not induce vomiting unless told to do so by a poison control center or doctor.
	Do not give any liquid to the person.
	Do not give anything by mouth to an unconscious person.
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes.
	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
	Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing.
	Rinse skin immediately with plenty of water for 15-20 minutes.
	Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air.
	• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
······	Call a poison control center or doctor for further treatment advice.
	For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.
	duct container or label with you when calling a poison control center or doctor or going for treatment.
NOTE TO PHYSICIAN: Probab	le mucosal damage may contraindreate the use of gastric lavage.
NOTIFIC	

DEC - 6 2010

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

DANGER - POISON

Fatal if swallowed. Corrosive. Causes irreversible eye damage and skin burns. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing. Wear face shield or goggles. Wear protective clothing and chemical resistant gloves. Harmful if absorbed through the skin or inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

Skin exposure may result in a sensation described as a tingling, itching, burning, or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2 to 30 hours, without damage. Wash exposed areas once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Handlers who may be exposed to the dilute through application or other tasks must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or Viton[®]
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when mixing or loading, or cleaning equipment

Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or Viton[®]
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when mixing or loading, or cleaning equipment

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4–6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply it or allow it to drift to crops or weeds on which bees are actively foraging.

Notify State and/or Federal authorities and Bayer CropScience immediately if you observe any adverse environmental effects due to the use of DECIS[®] Insecticide.

NOTICE: It is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

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

Pesticide Storage: Do not store over 100°F or below 50°F.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

WHEN PACKAGED IN PLASTIC CONTAINERS:

Container Disposal: Non-refillable container, do not refill or reuse. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

WHEN PACKAGED IN SVR CONTAINERS:

Returnable Container Return Procedure: Return the container clean (outside only) to the place of business from which the DECIS® Insecticide was purchased. This returnable container is the sole property of Bayer CropScience and must not be opened or discarded.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Do not apply when wind speed favors drift beyond the area intended for treatment. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Shake well before using.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restrictedentry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or Viton[®]
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

APPLICATION

Dilute DECIS[®] 1.5EC in water according to the directions shown below and apply to the target crops at the rates listed. Uniform coverage is essential. Consult your local or state agricultural authorities regarding economic thresholds and timing of application for specific pests. Under heavy pest populations use of the highest labeled rate is recommended.

Do not apply Decis[®] 1.5 EC Insecticide by aerial application in New York State.

DECIS[®] 1.5EC may be applied before, during, or after planting. Use the higher labeled rate for soil incorporated applications.

RESISTANCE

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

TANK MIX RECOMMENDATIONS

DECIS[®] 1.5EC Insecticide may be applied in tank mixtures with other pesticides approved for use on the crops specified. Observe all restrictions and precautions which appear on the labels of those products. If compatibility with another product is not known perform a

small-scale test to determine compatibility. When testing combination sprays for compatibility, first add DECIS[®] 1.5EC Insecticide to at least an equal amount of water in a clear container, mix thoroughly, and then add combination products to the mixture. Curdling, precipitation, greasing, layer formation or increased viscosity are symptoms of incompatibility. If any of these symptoms appear do not use the combination.

DECIS[®] 1.5EC Insecticide may also be applied in combination with additive products such as adjuvants, spreader stickers, penetrating agents, and drift control agents. Observe all restrictions and precautions which appear on the labels of those products. If compatibility with such a product is not known, a small scale test as described above should be performed.

	Ra	te			
Target Pests	Pounds AI/A	FI. Oz./A	Remarks		
Cotton fleahoppers	0.013	1.1	Minimum Gallonage Requirements:		
Cotton leafperforator	to	to	For aerial application use a minimum of 2 gallons of		
Cotton leafworm	0.019	1.6	water per acre (3 gallons in Arizona). For ground applications, use a minimum of 5 gallons of water per		
Cutworm			acre for thorough coverage of the foliage.		
Leafhoppers					
Threecornered alfalfa hopper					
Thrips					
Armyworm (all species) ^{2, 3}	0.019	1.6	Optimum Gallonage Requirements:		
Aphids ¹	to	to	For aerial applications under hot, dry environmental conditions or when the crop canopy is dense, gallonage		
Boll weevil	0.030	2.6	requirements may need to be increased to 3 to 5		
Cabbage looper ³			gallons of water plus crop oil concentrate at 1 pint to 1		
Cotton boliworm			quart per acre. Ground application gallonage should be increased to a minimum of 10 gallons per acre obtain		
European Corn borer			thorough coverage.		
Grasshoppers	(
Mites ¹			NOTES for Use on Cotton:		
Pink bollworm			1. DO NOT apply more than 26.0 fluid ounces of DECIS [®] 1.5EC per acre (0.3 lb ai/A) per growing		
Saltmarsh caterpillar			season.		
Soybean looper ³			2. DO NOT make more than 10 applications of		
Stink bugs			DECIS® 1.5EC.		
Tarnished plant bug ²			3. Allow 5 days between successive applications of DECIS [®] 1.5EC.		
Tobacco budworm ²					
Whitefly (adult) ¹			 DO NOT apply DECIS[®] 1.5EC within 21 days of harvest. 		
Western plant Bug ²			 DO NOT apply this product as a ULV application. Dilute the desired amount of DECIS[®] 1.5EC so that at least 2 gallons of spray solution per acre is applied. 		

4

COTTON

¹ Suppression only.

² See resistance statement under the "Directions For Use" section.

CORN, FIELD AND POP

	Ra	te			
Target Pests	Pounds AI/A	Fi. Oz./A	Remarks		
Cutworms	0.012	1.0	Minimum Gallonage Requirements:		
Flea beetles	to	to	For aerial applications, use a minimum of 2 gallons of		
Grasshoppers	0.018	1.5	water per acre. For ground applications, use a minimum of 5 gallons of water per acre for thorough coverage of the foliage.		
Aphids ¹	0.018	1.5	NOTES for Use on Corn:		
Armyworm (all species) ^{2,3}	to	to	1. DO NOT apply more than 8.1 fluid ounces of		
Chinch bugs	0.022	1.9	DECIS [®] 1.5EC per acre (0.095 lb ai/A) on field corn in one growing season.		
Click beetle			2. DO NOT make more than 5 applications of		
Corn earworm ^{2,3}			DECIS [®] 1.5EC per acre per season.		
Corn rootworm (adult)			3. Allow 21 days between successive applications of		
European corn borer ³			DECIS [®] 1.5ÉC		
Japanese beetle (adult)			4. DO NOT apply DECIS [®] 1.5EC within 21 days of		
June beetle (adult)			harvest of field corn for grain or fodder, or within 12 days of cutting or grazing field corn for forage.		
Masked chafer (adult)			12 days of outling of grazing hold control lonage.		
Southern corn borer ³					
Southwestern corn borer ³					
Stalk borer ³					
Stink bugs					
Webworm					

¹ Suppression only.

² See resistance statement under the "Directions For Use" section.

³ Apply to early instar larvae prior to boring into the ear or stalk.

CORN, SWEET

	R	ate	Remarks		
Target Pests	Pounds AI/A	Fl. Oz./A			
Cutworms	0.012	1.0	Application Interval:		
Flea beetles	to	to	To protect the tassel, silk and ear, a 1 day interval may		
Grasshoppers	0.018	1.5	be used from tassel emergence to silk dry-down. Once silks have dried and egg laying has stopped, spray intervals may be extended as indicated by scouting.		
Aphids ¹	0.018	1.5	Minimum Gallonage Requirements:		
Armyworm (all species) ^{2,3}	to	to	For aerial applications, use a minimum of 2 gallons of		
Chinch bugs	0.028	2.4	water per acre. For ground applications, use a minimum of 5 gallons of water per acre for thorough		
Click beetle			coverage of the foliage. As the crop canopy closes		
Corn earworm ^{2,3}			water volume should be increased to a minimum of 5		
Corn rootworm (adult)			gallons per acre for aerial applications and a minimum of 10 gallons of water per acre for ground applications		
European corn borer ³			to insure thorough coverage.		
Japanese beetle (adult)			NOTES for Use on Sweet Corn:		
June beetle (adult)			1. DO NOT apply more than 38.4 fluid ounces of		
Masked chafer (adult)			DECIS [®] 1.5EC per acre (0.45 lb ai/A) on sweet corn in one growing season.		
Southern corn borer ³			2. DO NOT apply DECIS [®] 1.5EC within 24 hours of		
Southwestern corn borer ³			harvest.		
Stalk borer ³			3. DO NOT graze livestock in treated areas or cut		
Stink bugs		1	treated crops for feed within 24 hours of the last		
Webworm			 application to a fresh / green crop. 4. DO NOT feed treated stover to livestock within 21 		
			 DO NOT feed treated stover to livestock within 21 days of application. 		

¹ Suppression only.

²See resistance statement under the "Directions For Use" section.

³ Apply to early instar larvae prior to boring into ear or stalk.

SORGHUM

	Ra	te			
Target Pests	Pounds AI/A	FI. Oz./A	Remarks		
Corn earworm (also known as sorghum headworm) Cutworms Flea beetles Grasshoppers Sorghum webworm Aphids ¹ Armyworm (all species) ^{2,3} Chinch bug Corn rootworm beetles (adult) European corn borer ³ Lesser corn stalk borer ³ Mexican rice borer ³ Southern corn borer ³ Stalk borer ³ Stalk borer ³ Sugarcane borer ³	0.012 to 0.018 0.015 to 0.022	1.0 to 1.5 1.3 to 1.9	 Minimum Gallonage Requirements: For aerial applications, use a minimum of 2 gallons of water per acre. For ground applications, use a minimum of 5 gallons of water per acre for thorough coverage of the foliage. NOTES for Use on Sorghum: DO NOT apply more than 3.8 fluid ounces of DECIS[®] 1.5EC per acre (0.045 lb. ai/A) on sorghum in one growing season. DO NOT apply DECIS[®] 1.5EC within 14 days of harvest of sorghum grain. DO NOT cut or graze sorghum forage within 14 days after application of DECIS[®] 1.5EC. 		
Stink bugs	0.018	1.5			
	to	to			
	0.022	1.8			

¹ Suppression only.

²See resistance statement under the "Directions For Use" section.

³ Apply to early instar larvae prior to boring into the stalk.

10/

SOYBEANS

	Ra	ite			
Target Pests	Pounds Al/A	Fl. Oz./A	Remarks		
Corn earworm ³	0.012	1.0	Minimum Gallonage Requirements:		
Cutworms	to	to	For aerial applications, use a minimum of 2 gallons of		
Green cloverworm	0.018	1.5	water per acre. For ground applications, use a minimum of 5 gallons of water per acre for thorough		
Leafhoppers			coverage of the foliage.		
Three-cornered alfalfa hopper					
Velvetbean caterpillar					
Armyworm (all species) ^{2,3}	0.018	1.5	Optimum Gallonage Requirements:		
Bean leaf beetle	to	to	For aerial applications under hot, dry environmenta		
Cabbage looper ³	0.028	2.4	conditions or when the crop canopy is dense, gallonage requirements may need to be increased to 4 – 5 gallons		
Click beetle			of water plus crop oil concentrate at 1 pint to 1 quart pe		
Corn rootworm beetles (adult)			acre. Ground application gallonage should be		
European corn borer			increased to a minimum of 15 gallons per acre to obtain thorough coverage.		
Grape colaspis (adult)			NOTES for use on Soybeans:		
Grasshoppers			1. DO NOT apply more than 8.5 fluid ounces o		
Japanese beetle (adult)			DECIS [®] 1.5EC per acre (0.1 lb ai/A) on soybean		
Masked chafer			in one growing season.		
Mexican bean beetle			2. DO NOT apply DECIS [®] 1.5EC within 21 days of harvest.		
Saltmarsh caterpillar					
Soybean aphid			 DO NOT allow livestock to graze treated forage, o feed treated hay to livestock. 		
Soybean looper ³					
Stink bugs					
Tarnished plant bug ²					
Tobacco budworm ^{2,3}					
Webworm					
Yellow Woollybear					

8

²See resistance statement under the "Directions For Use" section.

SUNFLOWERS

(Except in California)

	Ra	ite			
Target Pests	Pounds AI/A	FI. Oz./A	Remarks		
Banded sunflower moth	0.012	1.0	Minimum Gallonage Requirements:		
Cabbage looper ³	to	to	For aerial applications use a minimum of 2 gallons of		
Corn earworm ³	0.018	1.5	water per acre. For ground applications use a minimum		
Cutworms			of 5 gallons of water per acre for thorough coverage of the foliage.		
Grasshoppers (except lubber grasshoppers)			NOTES for Use on Sunflowers		
Leafhoppers					
Potato flea beetle			1. DO NOT apply more than 3.8 fluid ounces of DECIS [®] 1.5EC per acre (0.045 lb ai/acre) on		
Sunflower beetle	(sunflowers in one growing season.		
Sunflower seed weevil			2. DO NOT apply within 21 days of harvest for		
Sunflower stem weevil (moth)			sunflowers.		
Sunflower maggot			3. DO NOT graze or feed treated sunflower foliage to livestock.		
Sunflower moth			 DO NOT apply this product to sunflowers as an Ultra Low Volume (ULV) spray. 		

³ For best control apply to 1st and 2nd instar larvae.

BULB VEGETABLES Includes all members of Crop Group 3 such as:

(garlic, leeks, onions, shallots)

	Rat	te	
Target Pests	Pounds AI/A	FI. Oz./A	Remarks
Cutworms	0.012	1.0	Minimum Gallonage Requirements:
	to	to	For aerial applications use a minimum of 2 gallons of
	0.018	1.5	water per acre. For ground applications use sufficient water to obtain full coverage of foliage.
Stink bugs	Ò.018	1.5	NOTES for Use on Bulb Vegetables:
Thrips	to	to	1. DO NOT apply more than 9.6 fluid ounces of
	0.028	2.4	DECIS [®] 1.5EC per acre (0.112 lb ai/A) on bulb vegetables in one growing season.
			 Allow 5 days between applications of DECIS[®] 1.5EC.
			3. DO NOT apply within 1 day of harvest.

CUCURBIT VEGETABLES

Includes all members of Crop Group 9 such as:

(cantaloupes, chayote, Chinese waxgourd, citron melon, cucumber, gherkin, gourds, *Momordica* species, muskmelon, pumpkin, squash, watermelon)

	Ra	te			
Target Pests	Pounds Al/A	FI. Oz./A	Remarks		
Cabbage looper	0.012	1.0	Minimum Gallonage Requirements:		
Cutworms	to	to	For aerial applications use a minimum of 2 gallons of		
Leafhoppers	0.028	2.4	water per acre. For ground applications use sufficient water to obtain full coverage of foliage.		
Armyworm (all species) ^{2,3}	0.018	1.5	NOTES for Use on Cucurbit Vegetables:		
Colorado potato beetle ²	to	to	1. DO NOT apply more than 14.4 fluid ounces o		
Corn earworm	0.028	2.4	DECIS [®] 1.5EC per acre (0.168 lb ai/A) on cucurbi vegetables in one growing season.		
Cucumber beetles			2. Allow 3 days between applications of DECIS [®]		
Diamondback moth (larvae) ²			1.5EC.		
Flea beetles			3. DO NOT apply within 3 days of harvest.		
Grasshoppers					
Green peach aphid ¹					
Leafminers ²					
Melonworm					
Pickleworm					
Stink bugs					
Tarnished plant bug ²					
Tobacco budworm ^{2,3}					
Tomato pinworm					
Vegetable weevil (adult) ¹					
Western plant bug ²					
Whitefly (adult) ¹					

¹ Suppression only.

² See resistance statement under the "Directions For Use" section.

FRUITING VEGETABLES

.

Includes all members of Crop Group 8 such as: (eggplant, groundcherry, pepinos, peppers, tomatillo, tomato)

	Ra	ite			
Target Pests	Pounds AI/A	FI. Oz./A	Remarks		
Cabbage looper	0.012	1.0	Minimum Gallonage Requirements:		
Leafhoppers	to	to	For aerial applications use a minimum of 2 gallons of		
Tomato hornworm	0.028	2.4	water per acre. For ground applications use sufficien water to obtain full coverage of foliage.		
Aphids ¹	0.018	1.5	NOTES for Use on Fruiting Vegetables:		
Armyworm (all species) ^{2,3}	to '	to	1. DO NOT apply more than 14.4 fluid ounces of		
Colorado potato beetle ²	0.028	2.4	DECIS [®] 1.5EC per acre (0.168 lb ai/A) on fruiting vegetables in one growing season.		
Cucumber beetle			2. Allow 5 days between applications of DECIS [®]		
Cutworms			1.5EC.		
Diamondback moth ²			3. DO NOT apply within 1 day of harvest.		
European corn borer					
Flea beetles					
Imported cabbageworm	(
Leafminers ¹					
Pepper weevil					
Stink bugs					
Tarnished plant bug ²					
Thrips					
Tomato fruitworm (corn earworm)					
Tomato pinworm					
Variegated cutworm					
Whitefly ¹					

¹ Suppression only.

² See resistance statement under the "Directions For Use" section.

GLOBE ARTICHOKE

	Rate				
Target Pests	Pounds Al/A	FI. Oz./A	Remarks		
Aphids ¹	0.018	1.5	Minimum Gallonage Requirements:		
Armyworm (all species) ^{2,3}	to	to	For aerial applications use a minimum of 2 gallons of		
Cabbage looper ³	0.028	2.4	water per acre. For ground applications use sufficient water to obtain full coverage of foliage.		
Cribrate weevil Leafminers ¹ Lygus bug (plant bug) ^{1.2} Pale striped flea beetles Plume moth Probas bug			 NOTES for Use on Globe Artichoke: 1. DO NOT apply more than 12.0 fluid ounces of DECIS[®] 1.5EC per acre (0.14 lb ai/A) on root, tuberous and corm vegetables in one growing season. 2. Allow 3 days between applications of DECIS[®] 1.5EC. 		
			3. DO NOT apply within 3 days of harvest.		

¹ Suppression only.

²See resistance statement under the "Directions For Use" section.

³ For best control apply to 1^{st} and 2^{nd} instar larvae.

ROOT VEGETABLES (EXCEPT SUGARBEET)

Includes all members of Crop Subgroup 1B such as:

(carrot, celeriac, chervil (turnip-rooted), chicory, edible burdock, garden beet, ginseng, horseradish, parsley (turnip-rooted), parsnip, radish, oriental radish, rutabaga, salsify, black salsify, spanish salsify, skirret, turnip)

TUBEROUS and CORM VEGETABLES

Includes all members of Crop Subgroup 1C such as:

(potato, sweet potato, arracacha, arrowroot, chinese artichoke, jerusalem artichoke, edible canna, bitter and sweet cassava, chayote (root), chufa, dasheen, ginger, leren, tanier, tumeric, yam bean, true yam)

	Ra	te	_			
Target Pests	Pounds Al/A	FI. Oz./A	Remarks			
Cabbage looper ³	0.012	1.0	Minimum Gallonage Requirements:			
Cutworms	to	to	For aerial applications use a minimum of 2 gallons of			
Pea aphid	0.028	2.4	water per acre. For ground applications use sufficient water to obtain full coverage of foliage.			
Armyworm (all species) ^{2,3}	0.018	1.5	NOTES for Use on Root, Tuberous, and Corm			
Colorado potato beetle ²	to	to	Vegetables:			
European corn borer	0.028	2.4	1. DO NOT apply more than 12.0 fluid ounces of			
Flea beetles			DECIS [®] 1.5EC per acre (0.14 lb ai/A) on root, tuberous and corm vegetables in one growing			
Green peach aphid ¹			season.			
Leafhoppers			2. Allow 3 days between applications of DECIS®			
Lygus bug (plant bug) ²			1.5EC.			
Tarnished plant bug ²			3. DO NOT apply within 3 days of harvest.			
ramished plant bug			4. Except for radishes, DO NOT apply to root,			
			tuberous, and corm vegetables whose tops or leaves are to be harvested for human or livestock			
			consumption.			

¹ Suppression only.

²See resistance statement under the "Directions For Use" section.

CANOLA, CRAMBE, RAPESEED

	Rate				
Target Pests	Pounds Al/A Fi. Oz./A		Remarks		
Beet Armyworm ^{2,3}	.009	0.8	Minimum Gallonage Requirements:		
Bertha Armyworm			For aerial applications use a minimum of 2 gallons of		
Cabbage seed pod weevil			water per acre. For ground applications use a minimum		
Clover Cutworm			of 5 gallons of water per acre for thorough coverage of the foliage.		
Daimondback Moth			NOTES for Use on Canola, Crambe and Rapeseed:		
Flea Beetle			1. DO NOT apply more than 1.5 fluid ounces of		
Grasshopper			DECIS [®] 1.5EC per acre (0.018 lb ai/A) on Canola,		
Lygus bug (plant bug) ²		1	Crambe, or Rapeseed in one growing season.		
			2. Allow 7 days between applications of DECIS [®] 1.5EC.		
			3. DO NOT apply DECIS [®] 1.5EC within 7 days of harvest.		

²See resistance statement under the "Directions For Use" section.

³ For best control apply to 1st and 2nd instar larvae.

TREE NUTS

Includes all members of Crop Group 14 such as:

(almonds, beech nut, Brazil nut, butternut, cashew, chestnut, chinquapin, filbert, hickory nut, macadamia nut, pecan, pistachio, walnut)

	Ra	te	Remarks		
Target Pests	Pounds Al/A	FI. Oz./A			
Aphids ¹	0.02	1.7	For best results against over-wintering peach twig		
Codling moth	to	to	borer, apply as a dormant spray or delayed dormant spray. Decis may be applied in combination with		
Filbertworm	0.033	2.8	spray. Decis may be applied in combination with dormant oil. Refer to the dormant oil product label for		
Hickory shuckworm			additional use directions and restrictions.		
Leafhoppers			Minimum Gallonage Requirements:		
Navel orangeworm			For aerial applications use a minimum of 10 gallons of		
Obliquebanded leafroller			water per acre. For ground applications, use a minimum of 25 gallons of water per acre for thorough		
Peach twig borer			coverage of the foliage.		
Pecan nut casebearer			NOTES for Use on Tree Nuts:		
Pecan weevil			1. DO NOT apply more than 14 fluid ounces of		
Stink bugs			DECIS [®] 1.5EC per acre (0.165 lb ai/A) on tree		
Tarnished plant bug ²			nuts in one growing season.		
Walnut husk fly			2. Allow 7 days between applications of DECIS [®] 1.5EC.		
Western peach borer			3. DO NOT apply within 21 days of harvest.		

¹ Suppression only.

² See resistance statement under the "Directions For Use" section.

POME FRUITS

Includes all members of Crop Group 11 such as: (apple, crabapple, loquat, mayhaw, pear, oriental pear, quince)

	Rate				
Target Pests	Pounds AI/A	FI. Oz./A	Remarks		
Apple leafroller Apple leaf miner Apple maggot Codling moth Green fruitworm Obliquebanded leafroller Oriental fruit moth Plum curculio Potato leafhopper Redbanded leafroller San Jose scale (crawlers) Spotted tentiform leafminer Tarnished plant bug ² Western plant bug ²	0.011 to 0.022	0.9 to 1.9	 For applications to boring insects, apply prior to the insects entering the wood or fruit. Insects contained within plant tissue may not be controlled. Minimum Gallonage Requirements: For aerial applications use a minimum of 10 gallons of water per acre. For ground applications, use a minimum of 25 gallons of water per acre for thorough coverage of the foliage. NOTES for Use on Pome Fruits: DO NOT apply more than 3.6 fluid ounces of DECIS[®] 1.5EC per acre (0.042 lb ai/A) on pome fruits in one growing season. Allow 7 days between applications of DECIS[®] 1.5EC. DO NOT apply within 21 days of harvest. 		
Aphids ¹ European apple sawfly Lesser appleworm Pear psylla ¹ Pear sawfly Periodic cicada Stink bugs	0.022	1.9			

¹ Suppression only.

²See resistance statement under the "Directions For Use" section.

RATE CONVERSION CHART

FLUID OUNCES PER ACRE	LBS AI PER ACRE	ACRES PER GALLON		
0.8	0.009	160		
1.0	0.012	128		
1.2	0.014	107		
1.4	0.016	91		
1.6	0.019	80		
1.8	0.021	71		
2.0	0.023	64		
2.2	0.026	56 .		
2.4	0.028	53		
2.6	0.030	49		
2.8	0.033	46		

RATE CONVERSION CHART FOR HIGH VOLUME APPLICATIONS

	FLUID OUNCES PER 100 GAL OF WATER WHEN USING SPRAY VOLUME OF:						
DESIRED FLUID OUNCES OF PRODUCT PER ACRE	25 GPA	50 GPA	100 GPA	150 GPA	200 GPA	250 GPA	500 GPA
0.8	3.2	1.6	0.8	0.53	0.4	0.32	0.16
1	4	2	1	0.67	0.5	0.4	0.2
1.2	4.8	2.4	1.2	0.8	0.6	0.48	0.24
1.4	5.6	2.8	1.4	0.93	0.7	0.56	0.28
1.6	6.4	3.2	1.6	1.07	0.8	0.64	0.32
1.8	7.2	3.6	1.8	1.2	0.9	0.72	0.36
2	8	4	2	1.33	0.10	0.8	0.4
2.2	8.8	4.4	2.2	1.47	0.11	0.88	0.44
2.4	9.6	4.8	2.4	1.6	0.12	0.96	0.48
2.6	10.4	5.2	2.6	1.73	0.13	1.04	0.52
2.8	11.2	5.6	2.8	1.87	0.14	1.12	0.56

CHEMIGATION USE DIRECTIONS AND PRECAUTIONS

SPRINKLER IRRIGATION APPLICATION

Apply DECIS® 1.5EC Insecticide at rates and timing described elsewhere in this label. As local recommendations differ, consult your local State Extension Service or other local experts for recommendations on adjuvant or diluent types, rates, and mixing instructions. These recommendations should be proven, through university and extension field trials, to be effective with DECIS® 1.5EC Insecticide applied by chemigation.

Check the irrigation system to ensure uniform application of water to all areas. Thorough coverage of foliage is required for good control. Good agitation in the pesticide supply tank should be maintained prior to and during the entire application period.

Apply by injecting the recommended rate of DECIS® 1.5EC Insecticide into the irrigation system using a metering device that will introduce a constant flow and by distributing the product to the target area in 0.1 to 0.2 inches per acre of irrigation water. In general, use the least amount of water required for proper distribution and coverage. It is recommended that the product be injected into the main irrigation line ahead of a right angle turn in the line to ensure adequate dispersion or mixing in the irrigation water. Once the application is completed, flush the entire irrigation and injection system with clean water before stopping the system.

In addition to the above recommendations, if application is being made during a normal irrigation set of a stationary sprinkler, the recommended rate of DECIS® 1:5EC Insecticide for the area covered should be injected into the system only during the end of the irrigation set for sufficient time to provide adequate coverage and product distribution.

NOTE: Bayer CropScience does not recommend connecting chemigation systems to a public water system. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

USE PRECAUTIONS - SPRINKLER IRRIGATION APPLICATION

- Apply this product only through sprinkler (including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set, or hand move) irrigation system(s). Do not apply this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible
 person, shall shut the system down and make necessary adjustments should the need arise.
- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed
 and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

SUPPLEMENTAL SPRAY

RECOMMENDATIONS AND PRECAUTIONS

- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
- For cotton, do not make more than a total of 10 synthetic pyrethroid applications (of one product or combination of products) to a crop in one growing season. Synthetic pyrethroid products include AMBUSH[®], AMMO[®] 2.5EC, ASANA[®] XL, BAYTHROID 2, CAPTURE[®] 2EC, CYMBUSH, DANITOL 2.4EC, DECIS[®], FURY[™] 1.5EC, KARATE[®], MUSTANG, POUNCE[®] 3.2EC, SCOUT X-TRA[®], and SynerGin[™] 2.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

Buffer Zone Requirements:

Vegetative Buffer Strip:

Constuct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing Deltamethrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 2 1 pp. <u>http://www.in.nrcs.usda.gov/technical/agronomy/newconbuf/pdf</u>.

Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast)

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes reservoirs, rivers, permanent streams; marshes or natural ponds, estuaries, and commercial fish ponds).

Buffer Zone for ULV Aerial Application

Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams; marshes or natural ponds, estuaries, and commercial fish ponds).

Buffer Zone for Non-ULV Aerial Application

Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams; marshes or natural ponds, estuaries, and commercial fish ponds).

Spray Drift Requirements

Wind Direction and Speed:

Only apply this product if the wind direction favors on-target deposition.

Do not apply when the wind velocity exceeds 15 mph.

Temperature Inversion:

Do not make aerial or ground applications into temperature inversions.

Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Droplet Size:

Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Additional Requirements for Ground Applications

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

In New York State, this product may not be applied within 100 feet of a coastal marsh or stream that drains directly into a coastal marsh

Additional Requirements for Aerial Applications

The spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or 80% rotor diameter.

Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

Do not apply Decis[®] 1.5 EC Insecticide by aerial application in New York State.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

Ambush, Cymbush and Karate are registered trademarks of Zeneca, Inc. Ammo, Capture, Fury, Mustang and Pounce are registered trademarks of FMC Corporation. Asana XL and Viton are registered trademarks of .1. du Ponte de Nemaurs and Co. Baythroid, Decis, and Scout X-TRA are registered trademarks of Bayer CropScience Danitol is a registered trademark of Valent Agricultural Products.

PRODUCED FOR

Bayer CropScience

Bayer CropScience LP P.O. Box 12014, 2 T.W. Alexander Drive Research Triangle Park, North Carolina 27709 1-866-99BAYER (1-866-992-2937)

DECIS® 1.5EC Insecticide (MASTER) Approved 05/06/08, Notification 08/26/08, Notification 08/24/10