

**Bradford County Extension Fact Sheet
2014 Strawberry Insecticides**

Two spotted spider mites

Active ingredient	Trade name	Mode of action
Abamectin	Abacus, AgriMek, Reaper, Temprano, Zoro	6
Bifenazate	Acramite	unknown
Hexythiazox	Savey.	10A
Etoxazole	Zeal	10B
Spiromesifen	Oberon	23
Fenbutatin oxide	Vendex	12B
Propargite	Omite	12C

Cyclamen mite

Active ingredient	Trade name	Mode of action
Fenpyroximate	Portal	21A
Diazinon	Diazinon	1B

*label expiring

Sap beetles

Active ingredient	Trade name	Mode of action
Novaluron	Rimon (larvacide)*	15
Acetamiprid	Assail	4A
Bifenthrin	Brigade (adulticide)	3A

Aphids

Active ingredient	Trade name	Mode of action
Imidacloprid	Admire 2F, *	4A
Thiamethoxam	Actara	4A
Bifenthrin	Brigade	3A

*Plant back issues on non-registered crops

Armyworms

Active ingredient	Trade name	Mode of action
Bt (Bacillus thuringiensis)	Javelin, Lepinox, Biobit, Dipel, Deliver	11
Spinosad	Entrust, SpinTor, Justice Bait	5
Methoxyfenozide	Intrepid	18
Carbaryl	Sevin, Carbaryl	1A

Dr. Price strongly recommends not using SpinTor for worms. It is still effective for that use, but the limited SpinTor and Radiant applications should be saved for thrips problems and not used where other effective products exist. I suggest relying on Bt and Intrepid for worms.

Thrips

Active ingredient	Trade name	Mode of action
Spinetoram	Radiant*	5

*Relatively new. Be careful of developing resistance from overuse, related to SpinTor

Spotted wing drosophila

Active ingredient	Trade name	Mode of action
Malathion	Malathion	1B

(Dr. Price advises that is certainly in the Bradford County area now (it is in SC and NC in addition to peninsular Florida). Malathion will be a major player in its management. Probably GF120 fruit fly bait/toxicant (SpinTor) by Dow. SpinTor spray will be effective, but we must save those for western flower thrips.)

Imported fire ants

Active ingredient	Trade name	Mode of action
Spinosad	Entrust, SpinTor, Justice Bait	5
(S) methoprene	Extinguish (bait)	7A
Pyriproxyfen	Esteem	7C

** Lannate has not been labeled for strawberry for several years.

Foundation for The Gator Nation
An Equal Opportunity Institution

Supplemental Labeling



Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054 USA

Stinger[®] EPA Reg. No. 62719-73

EPA 24(c) Special Local Need Registration SLN No. FL-110010
For Distribution and Use Only Within the State of Florida

Postemergence Broadleaf Weed Control in Annual Strawberry

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Stinger[®] herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- In addition to restrictions and limitations imposed by this supplemental labeling, use of Stinger is subject to all use precautions and limitations imposed by the label affixed to the container for Stinger.

Directions for Use

Active Ingredient:

 cloprialid: 3,6-dichloro-2-pyridinecarboxylic acid,
 monoethanolamine salt40.9%
Other Ingredients59.1%
Total100.0%

Acid Equivalent: cloprialid: 3,6-dichloro-2-pyridinecarboxylic acid - 31% (3 lb/gal)

Refer to product label for Use Precautions and Restrictions, Mixing Instructions and Application Directions.

Target Weeds	Stinger (pint/acre)	Use Restrictions
Control clovers common ragweed curly dock giant ragweed red sorrel vetch Suppression black medic Carolina geranium cutleaf evening primrose smartweed	1/3 - 2/3 (0.125 – 0.25 lb ae cloprialid/acre)	<ul style="list-style-type: none"> • Preharvest Interval: Do not apply within 7 days of harvest. • Do not exceed 2/3 pint (0.25 lb ae cloprialid) per acre per year. • Do not use Stinger with a surfactant on strawberries. • Do not tank mix with other herbicides registered for use on strawberry. • Do not apply by aircraft. • Chemigation: Do not apply Stinger through any type of irrigation system. • Do not apply within 8 hours of expected rainfall or irrigation. • Do not compost treated vegetation if compost will be used on sensitive plants.

Note: Temporary leaf cupping and/or berry distortion may occur. Therefore, some berries may not be marketable.

Broadcast Applications: Apply uniformly with ground equipment in 20 to 60 gallons of water per acre.

Spot Applications: Refer to the Hand-Held Sprayers section of the label for Stinger for spot application instructions.

Recommendations:

- Allow strawberries to become well-established prior to application to new plantings.

Sprayer Clean-Out: To avoid injury to desirable plants, equipment used to apply Stinger must be thoroughly cleaned before re-using with any other chemicals. Read the product label for specific clean-out instructions.

Crop Rotation Interval

- Read the Crop Rotation Interval section of the section 3 label before rotating to any crop. In many situations, it will not be possible to plant another crop in the same field due to carry over injury to the rotated crop. Consult with your local county agent before planting subsequent crops.
- A field bioassay must be performed prior to planting any crops that are not listed in the Crop Rotation Interval section of the product label. An 18-month rotation is recommended for those crops due to the potential of crop injury.
- A field bioassay must be performed prior to planting any sensitive crops.

Special Conditions and Risks of Use

USE OF Stinger® herbicide (THE "PRODUCT") ON STRAWBERRY (THE "CROP") MAY RESULT IN CROP INJURY, CROP YIELD REDUCTION AND/OR CROP LOSS. READ AND UNDERSTAND THESE SPECIAL CONDITIONS AND RISKS OF USE BEFORE USING THE PRODUCT ON THE CROP.

Dow AgroSciences makes the Product available for use in the manner described in this Supplemental Labeling on the basis that, in the sole opinion of the user, the benefits and utility derived from the use of the Product on the Crop outweigh the potential risk of Crop injury or loss. The decision to use this Product in the manner described in this Supplemental Labeling must be made by each individual user on the basis of anticipated benefits versus (i) the risk of Crop injury, Crop yield reduction and Crop loss, (ii) the severity of the target pest infestation, (iii) the cost and availability of alternative pest controls, and (iv) any other relevant factors.

By purchasing the Product for use, or using the Product, in the manner described in this Supplemental Labeling, you acknowledge and accept that:

- (1) You assume all risk of Crop injury, Crop yield reduction and/or Crop loss;**
- (2) Dow AgroSciences does not make, and does not authorize any agent or representative to make, any representations or recommendations regarding the use of this Product on the Crop other than the statements on this Supplemental Labeling;**
- (3) Dow AgroSciences does not make, and does not authorize any agent or representative to make, any warranties, express or implied, with respect to the use of the Product on the Crop and disclaims all warranties, express or implied, including any implied warranties of fitness for a particular purpose or merchantability;**
- (4) Dow AgroSciences disclaims all liability for any damages, losses, expenses, claims or causes of actions arising out of or relating to inability to sell the Crop, Crop injury, Crop yield reduction and/or Crop loss;**
- (5) These Special Conditions and Risks of Use supersede any contrary representations or recommendations by Dow AgroSciences, its agents or representatives, and any provisions in or on any Product literature or labeling including any provisions on the label affixed to the Product container.**

If these Special Conditions and Risks of Use are not acceptable, the unopened Product may be returned to the seller for a refund or used for a different labeled use in accordance with the label affixed to the Product container. These Special Conditions and Risks of Use are required by Dow AgroSciences and not specified by the U.S. EPA or the State of Florida.

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