

100-939

05/17/2001

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
100-939

Date of Issuance:
MAY 17, 2001

Term of Issuance: **Conditional**

Name of Pesticide Product:
Platinum™ 2SC

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300
Attn: Frederick J. Pearson

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(C), provided that you submit the following data and label revisions:

1. Submit and/or cite all data required for registration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Before you release the product for shipment revise the EPA Registration number to read "EPA Reg. No. 100-939".
3. Submit the following information to satisfy the data gaps in the data base for Thiamethoxam and its metabolite.

Residue Chemistry:

- 860.1340: Modification of Method AG-675 to add microwave extraction of liver or a new enforcement method for liver; additional radiovalidation data for beef liver;
- 860.1380: Storage stability data continued to cover the conditions and intervals that plant and animal commodity samples were stored (up to 30 months);

Signature of Approving Official:

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Tina E. Levine, Ph.D., Chief
Insecticide-Rodenticide Branch
Registration Division 7505C

Date:

MAY 17 2001

EPA form 8570-6 (EPA reg. No.100-939) continued from page 1...

- 860.1480: Reanalysis of the cow liver samples from the feeding study using a microwave extraction step;
- 860.1900: Reanalysis of field rotational crop samples for metabolite CGA-265307 and description of storage conditions for future uses;
- 860.1300: Plant metabolism study on a leafy vegetable (Crop Group 4 or 5)
- 860.1300: Poultry metabolism study.

Toxicology Data:

870.6300: Developmental neurotoxicity study.

Ecological Effects Data:

72-4b: Daphnia chronic study repeated to fulfill guideline requirements.

Water Monitoring Studies

Two Small-Scale Prospective Ground Water (PGW) studies done according to Guideline 166.1, Draft Small-Scale Prospect Groundwater Guidance Document. This includes the current PGW study in Michigan and one other PGW study in a second State. The registrant will propose several potential sites, located at the 95 percentile of vulnerability and warm climate, for this second study. EPA will approve the final selection. The second site must be operational by May, 2002. The registrant should shall consult with EPA on the degradates to be included in the study. The PGW studies will continue until terminated with agreement by the USEPA.

Monitoring of community water systems using ground water as their source water and private wells. During the summer, 2001, EPA and the registrant will discuss the design of this monitoring program with interested states. Preliminary discussions have begun with Washington, California, Texas, Idaho, Michigan, Florida, North Carolina, and New York. It is anticipated that other states will want to join these discussion. The registrant will submit a protocol for the monitoring studies by December 31. 2001.

- 4. Submit two (2) copies of your **final printed label** for before your release the product for shipment. Please refer to the **A-79 enclosure** for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this action, please contact Dani Daniel at 703 305-5409.

5/7/01
Draft Label

Platinum™ 2SC

INSECTICIDE

For control of certain insect pests infesting various crops.

Active Ingredient:	
Thiamethoxam (CAS No. 153719-23-4):	21.6%
Other Ingredients:	78.4%
Total:	100.0%

Platinum™ 2SC is a soluble concentrate containing 2 pounds of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use on container label.

EPA Reg. 100- 060

EPA Est. 5905-GA-1

SCP

16 fl. oz.

72 fl. oz.

2.5 Gallons

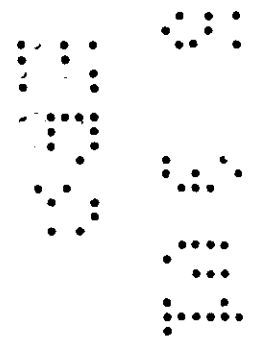
U.S. Standard Measure

ACCEPTED
with COMMENTS
In EPA Letter Dated:

MAY 17 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.

100-939



FIRST AID	
If inhaled	<ul style="list-style-type: none"> • 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 treatment advice
If in eyes	<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice
If on skin or clothing	<ul style="list-style-type: none"> • 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 swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
<p>HOT LINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call 1-800-888-8372</p>	
<p>NOTE TO PHYSICIAN There is no specific antidote if Platinum is ingested. Induce emesis or lavage stomach. Treat symptomatically.</p>	

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION

Harmful if inhaled or absorbed through skin. Do not breathe vapor or spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Personal Protection Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for **cleaning/maintaining** PPE. If no such instructions exist for washables, use detergent and hot water. **Keep and wash PPE separately** from other laundry.

Engineering Control Statements

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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to inter-tidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

Surface Water Advisory

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff (See manual at the following internet address: <http://www.nrcs.usda.gov/water/quality/common/pestmgmt/files/core4.html>).

Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Ground Water Advisory

Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

Spray Drift Advisory

Do not allow this product to drift.

Physical or Chemical Hazards

Do not use, pour, spill or store near heat or open flame.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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 restricted-entry 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
- Waterproof gloves
- Shoes plus socks

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT CONTROL, AND/OR ILLEGAL RESIDUES.

Storage and Disposal

Storage

Store in a cool dry place.

Pesticide Disposal

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Disposal

Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of using one of the following methods: 1) depositing in a sanitary landfill, 2) incineration, or, 3) burning, if allowed by state and local ordinances. Stay out of smoke from burning containers.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup, procedures and disposal of wastes.

General Information

Platinum 2SC controls many sucking and chewing insects through ingestion when applied to the crops listed on this label.

For best performance, always follow these directions:

- Platinum 2SC should be applied in a manner which allows the insecticide to be absorbed by plant roots. This may be accomplished with a variety of application methods, as indicated in this label. Although Platinum 2SC is rapidly taken up by plant roots and rapidly moves throughout the plant, the use of sufficient water volume will ensure that the chemical contacts the roots, resulting in optimal uptake and performance.
- Platinum 2SC is a selective insecticide, which should have minimal impact on beneficial arthropods, and its use is compatible with integrated pest management programs.
- Platinum 2SC has a wide margin of plant safety when used in accordance with this label.
- Do not use Platinum 2SC in nurseries, plant propagation houses, greenhouses, or on any plants grown for use as transplants except tobacco.
- **NOTE:** Do not use a foliar application of thiamethoxam (Actara 25WG) following an in-furrow or soil application of thiamethoxam (Platinum 2SC).
- If the maximum season limit of thiamethoxam defined in the "CROP USE DIRECTIONS" section of this label has been applied and pest populations require additional treatments, use another registered pesticide that is not in the neonicotinoid class of chemistry.

Resistance Management

Platinum 2SC belongs to the neonicotinoid class of chemistry. Pests that are resistant to insecticides in other chemical classes are not known to be cross-resistant to Platinum 2SC. However, insect pests are known to develop resistance to products used repeatedly. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area.

Application Procedures and Spray Equipment

Soil Application

Spray nozzles or metering orifices should provide accurate and uniform spray deposition. Platinum 2SC may be applied in-furrow at-planting, as a lay-by shanked application, or as a banded pre-emergence or post-emergence application. When making post-emergence applications, direct the application at the base of the plant for optimum root uptake. To help insure accuracy, calibrate sprayer before each use. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective pest control. For information on spray equipment and calibration, consult sprayer manufacturers and / or State Extension Service specialists.

Do not apply Platinum 2SC as a broadcast foliar spray with Ground or Aerial Equipment

Dry Bulk Granular Fertilizer - Potatoes only: Many dry bulk fertilizers may be impregnated or coated with Platinum 2SC and used to control insects in potatoes. When applying Platinum 2SC with dry bulk granular fertilizer, follow all directions for use and precautions on the Platinum 2SC label contained in the potato direction for use section regarding rates per acre, pests controlled, and rotational crop restrictions.

All individual state regulations relating to dry bulk granular fertilizer blending, registration, labeling, and application are the responsibility of the individual and or/company selling the insecticide/fertilizer mixture.

Prepare the insecticide/fertilizer mixture by using any closed drum, belt, ribbon, or other commonly used dry bulk fertilizer blender. Nozzles used to spray Platinum 2SC onto the fertilizer must be placed to provide uniform spray coverage. Care should be taken to aim the spray onto the fertilizer only, avoiding the walls of the blender. Do not pour or dribble Platinum 2SC directly from the product container onto the fertilizer.

Blender Mixing Directions

Fill the blender with the required amount of dry bulk granular fertilizer to be used. Start the blender. Spray the Platinum 2SC directly onto the moving fertilizer. Allow the mixture to blend for at least 5 minutes or until uniform. Spread the insecticide/fertilizer mixture as soon as possible.

Calculate the amounts of Platinum 2SC by the following formula:

$$\frac{\text{oz./acre Platinum 2SC}}{\text{lbs./acre Fertilizer}} \times 2,000 \text{ lbs./ton.} = \text{oz./ton Platinum 2SC}$$

Important: When more than 1000 lbs./A of dry bulk granular fertilizer is to be applied, mix Platinum 2SC with water to improve coverage on the dry fertilizer. Mix one part Platinum 2SC with up to 2 parts water [1:2] in a mix tank before application to fertilizer. Use a maximum of 2 qts. liquid / ton of fertilizer.

Precautions: Do not impregnate Platinum 2SC on straight unadulterated agricultural limestone, since adsorption will not be achieved. Limestone prills which contain a binding agent and fertilizer blends containing limestone can be impregnated.

Application: For best results, apply the mixture uniformly to the soil with properly calibrated equipment immediately after blending. Non uniform application of the insecticide/fertilizer mixture may result in unsatisfactory insect control.

Chemigation: Applications of Platinum 2SC alone or in combination with other pesticides registered for application through irrigation systems may be applied in irrigation water at rates recommended on this label. This product may be applied only through low pressure microsprinkler or drip type irrigation systems. Do not apply Platinum 2SC through any other type of irrigation system.

GENERAL DIRECTIONS FOR ALL RECOMMENDED TYPES OF IRRIGATION SYSTEMS

Uniform Water Distribution and System Calibration: The irrigation system must provide uniform distribution of treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. 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.

Dilute Platinum 2SC in the solution tank at a ratio of at least 15 parts of water to one part of Platinum 2SC. Inject Platinum 2SC solution at a ratio of 50:1 or greater. Injecting a larger volume of a more dilute solution will usually allow a more accurate calibration of the metering equipment. Meter the insecticide into the irrigation water during the irrigation cycle.

Using Water from Public Water Systems: DO NOT APPLY PLATINUM 2SC THROUGH ANY IRRIGATION SYSTEM PHYSICALLY CONNECTED 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. Platinum 2SC may be applied through irrigation systems which may be supplied by a public water system only if the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

Any irrigation system using water supplied from a public water system must also meet the following requirements.

Operating Instructions FOR ALL RECOMMENDED TYPES OF IRRIGATION SYSTEMS

1. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
2. 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.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

6. 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.
7. 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.

Application Instructions

Platinum 2SC must be applied on the schedule specified in the use recommendations, not according to the irrigation schedule. The following calibration and application techniques are provided for user reference, but do not constitute a warranty of fitness for application through low pressure microsprinkler or drip type irrigation equipment. Users should check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemicals through irrigation equipment.

General Instructions

1. Each run of the irrigation system must be calibrated separately to determine the time it takes water to move through the system and to make sure all emitters in the system are putting out the same amount of water.
2. Only pressure injection or venturi equipment is recommended.
3. Determine the area to be treated in each irrigation run.
4. Measure the output of each of the emitters or drip tubes closest to and farthest from the injection point.
5. For calibration, substitute a concentrated detergent (such as Wisk) for the Platinum 2SC mixture in the injector (solution) tank. It is important to use the same volume of soap solution as the planned volume of Platinum 2SC solution when calibrating the system. The detergent will bubble as it leaves the emitters. The time period over which the bubbles occur should be checked for both the closest and farthest emitters. If these times are not within 2 minutes of each other, adjust the dilution ratio and/or the injection rate.

Step-by-Step Calibration & Application Instructions

1. Before starting to calibrate, operate the system until all of the emitters are putting out at equal flow rates or until the system is operating at full pressure.
2. Make up an indicator solution of detergent or fertilizer, using the same rate of indicator as the planned volume of Platinum 2SC to be used in the mix.
3. Set the injector to apply the indicator solution at the injection rate to be used in the actual Platinum 2SC application.
4. Attach a 12-inch length of flexible tubing over the emitter closest to the injection point, another 12-inch length over the emitter farthest away. Both emitters should be monitored to determine the time

intervals that the indicator solutions are observed.

5. Begin injecting the indicator solution. **Direct the flow from the flexible tubes into a small container.** Begin timing when the indicator solution is first detected, stop timing when the indicator solutions are no longer detected in the container.
6. If the period of detection of the indicator solution between the near and far emitter is within 2 minutes, comparable coverage will be obtained. If they are not, make adjustments by increasing the dilution ration, using more water per part of Platinum 2SC , or adjust the injector to a slower flow rate.
7. Once the system is calibrated, dilute the needed amount of Platinum 2SC with water and any other tank mix partners in the injection tank at a minimum dilution of 15 parts water to 1 part Platinum 2SC. Follow the directions for mixing and equipment set up in the **Mixing Procedures** section of this label for complete details.
8. Do not begin to inject Platinum 2SC into the system until all emitters are producing equal flow rates, or until the system is at full pressure.
9. Inject the Platinum 2SC solution into the system at the beginning of the irrigation set in 1/2 -1 inch of irrigation water.

Mixing Procedures

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area. **Keep product container tightly closed when not in use.**

Platinum 2SC Alone: Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the platinum 2 SC to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Platinum 2 SC has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Platinum 2SC + Tank Mixtures: Add 1/2 of the required amount of water to the mix tank. Start the agitator running before adding any tank mix partners. In general tank mix partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, such as Platinum 2SC, liquids and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all the mixture has been applied.

Note: When using Platinum 2SC in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Platinum 2SC. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using Platinum 2SC in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations that appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product that prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are labeled.

Compatibility: Platinum 2SC is compatible with most commonly used pesticides and nutritional sprays. However, since it is not possible to test all possible mixtures, the user should pre-test to insure the physical compatibility and lack of phytotoxic effect of any proposed mixtures with Platinum 2SC. To determine the physical compatibility of Platinum 2SC with other products, use a jar test, as described below.

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

The crop safety of all potential tank mixes on all crops has not been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target crop should be confirmed.

CROP USE DIRECTIONS

RECOMMENDED APPLICATIONS			
CROP	PEST	RATE PER ACRE PER APPLICATION	REMARKS
CUCURBIT VEGETABLES Cucumber Squash: summer & winter Watermelon Muskmelon Citron melon Pumpkin Chayote Chinese waxgourd Gherkin Edible gourd <i>Momordica spp.</i>	Aphids Flea beetles Whiteflies	5-8 fl oz/A See rate conversion chart for rate per 1000 linear ft.	Apply using one of the methods described below. Use lower rates for short residual control and higher rates for long residual control.
<p>Remarks: Apply specified dosage in sufficient water volume to insure uniform application and incorporation into the soil using one of the following methods: 1) In-furrow spray at the seeding or transplant depth, or a narrow surface band above the seedline during planting. For surface-banded applications incorporate to the seeding depth with sufficient sprinkle or drip irrigation within 24 hours. 2) Post seeding, transplant, or hill drench using sufficient water volume to ensure incorporation into the root zone. 3) In trickle or drip irrigation water. 4) Shanked into the root zone after establishment or transplanting using fertilizer knives or other similar equipment. After application, incorporate with enough irrigation to move the chemical to the root zone. Do not exceed a total of 8.0 fl oz of Platinum 2SC (0.125 lbs. a.i.) per acre or use less than 5.0 fl oz. of Platinum 2SC (0.078 lbs. a.i.) per acre during each growing season. Do not make more than two Platinum 2SC applications per crop or apply within 30 days of harvest (30 day PHI).</p>			

CROP	PEST	RATE PER ACRE PER APPLICATION	REMARKS
FRUITING VEGETABLES Tomato Peppers: bell, chili, cooking, pimento, & sweet Eggplant Groundcherry Pepino Tomatillo	Aphids Flea beetles Colorado potato beetle Whiteflies	5-8 fl oz/A See rate conversion chart for rate per 1000 linear ft.	Apply using one of the methods described below. Use lower rates for short residual control and higher rates for long residual control.
<p>Remarks: Apply specified dosage in sufficient water volume to insure uniform application and incorporation into the soil using one of the following surface band above the seedline during planting. For surface-banded applications incorporate to the seeding depth with sufficient sprinkle or drip irrigation within 24 hours. 2) Post seeding, transplant, or hill drench using sufficient water volume to ensure incorporation into the root zone. 3) In trickle or drip irrigation water. 4) Shanked into the root zone after establishment or transplanting using fertilizer knives or other similar equipment. After application, incorporate with enough irrigation to move the chemical to the root zone. Do not exceed a total of 8.0 fl oz of Platinum 2SC (0.125 lbs. a.i.) per acre or apply less than 5.0 fl oz of Platinum 2SC (0.078 lbs. a.i.) per acre during each growing season. Do not make more than two Platinum 2SC applications per crop or apply within 30 days of harvest (30 day PHI). For planting systems where multiple rows are planted on beds, apply Platinum 2SC according to one of the above methods. However do not apply more than 8.0 fl oz Platinum 2SC (0.125 lbs. a.i.) per acre during each growing season.</p>			

CROP	PEST	RATE PER ACRE PER APPLICATION	REMARKS
TUBEROUS & CORM VEGETABLES Potato Sweet potato Yams Yam bean Arracacha Arrowroot Artichoke Chinese artichoke Jerusalem artichoke Canna Bitter & Sweet Cassava Chayote (root) Chufa, Dasheen Ginger, Leren Tanier, Turmeric	Colorado potato beetles Aphids Potato leafhoppers Flea beetles Potato psyllid	5 - 8 fl oz/A See rate conversion chart for rate per 1000 linear ft.	Apply using one of the methods described below. Use lower rates for short residual control and higher rates for long residual control.
<p>Remarks: Apply as 1) an in-furrow spray during planting. For best results, spray directly on the seed pieces in the furrow. Apply in sufficient water to ensure good coverage of seed pieces. 2) Apply specified amount of Platinum 2SC impregnated on dry granular fertilizer before or during planting. 3) Apply at plant emergence. Direct spray at the soil near the base of the plant, during the last hilling operation. Incorporate into the root zone with sufficient overhead irrigation within 24 hours. Make only one soil application per season and do not exceed a total 8 fl oz of Platinum 2SC (0.125 lbs. a.i.) per acre or use less than 5.0 fl oz of Platinum 2SC (0.078 lbs. a.i.) per acre during each growing season.</p>			

CROP	PEST	RATE PER 1000 PLANTS	REMARKS
TOBACCO	Aphids Flea beetles Japanese beetles	0.8 - 1.3 fl oz/ 1000 plants	Apply at transplant using one of the methods described below. Use lower rates for short residual control and higher rates for long residual control.
	Thrips Wireworms	1.3 fl oz/ 1000 plants	Apply at transplant using one of the methods described below.
<p>Remarks: Apply specified dosage in sufficient water volume to insure uniform application using one of the following methods. 1) Tray treatment: Apply to transplants while still in trays. Thoroughly water transplants. Then apply the chemical evenly to the transplants. Immediately after treatment, spray transplants with enough water to wash the chemical off the foliage and into the soil. Set transplants in the field within two days after treatment. During transplanting, workers handling transplants must wear waterproof gloves. Do not apply Platinum 2SC to float-bed water. 2) Mix appropriate amounts of Platinum 2SC in water and drench transplants as they are being placed in the ground. Make only one soil or tray treatment application per season and do not exceed a total 8 fl oz. of Platinum 2SC (0.125 lbs. a.i.) per acre or use less than 5.0 fl oz Platinum 2SC (0.078 lbs. a.i.) per acre during each growing season.</p>			

PLATINUM™ 2SC CONVERSION CHART FOR LINEAR APPLICATION

Rate Per Acre	Rate in fl oz of product per 1000 inches as specified for spacing and rate per acre														fl oz/A
	20 inches	30 inches	42 inches	50 inches	58 inches	66 inches	72 inches	78 inches	84 inches	90 inches	96 inches	102 inches	108 inches	114 inches	
5 fl oz/A	0.19	0.29	0.33	0.34	0.36	0.38	0.44	0.46	0.57	0.63	0.69	0.75	0.77	0.80	0.079
6 fl oz/A	0.23	0.34	0.39	0.41	0.44	0.46	0.53	0.55	0.69	0.76	0.83	0.90	0.92	0.96	0.094
7 fl oz/A	0.27	0.40	0.45	0.48	0.51	0.54	0.62	0.64	0.80	0.88	0.96	1.04	1.07	1.12	0.110
8 fl oz/A	0.31	0.46	0.52	0.55	0.58	0.61	0.70	0.73	0.92	1.01	1.10	1.19	1.22	1.29	0.125

Rotational Restrictions

Treated areas may be replanted immediately following harvest or as soon as practical following the last application with any crop listed on this label or to sorghum, wheat, barley, canola, cotton, and pome fruit. Any cover crop planted for erosion control or soil improvement may be planted as soon as practical following the last application. However, the cover crop may not be grazed or harvested for food or feed. For all other crops, a 120-day plant-back interval must be observed.

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For non-emergency (e.g., current product information) call
 Syngenta Crop Protection at 1-800-334-9481.

Syngenta Crop Protection, Inc.
 Greensboro, North Carolina 27409
 www.syngenta-us.com
 SCP

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PLATINUM™ 2SC

INSECTICIDE

For control of certain insect pests infesting various crops.

Active Ingredient:

Thiamethoxam (CAS No. 153719-23-4)	21.6%
Other Ingredients:	78.4%
Total:	100.0%

Platinum™ 2SC is a soluble concentrate containing 2 pounds of active ingredient per gallon

16 fl. oz.

72 fl. oz.

2.5 gallon

U.S. Standard Measure

KEEP OUT OF REACH OF CHILDREN

CAUTION

See directions for use in attached booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful if inhaled or absorbed through skin. Do not breathe vapor or spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • 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 treatment advice
If in eyes	<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice
If on skin or clothing	<ul style="list-style-type: none"> • 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 swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
<p>HOT LINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call 1-800-888-8372</p>	
<p>NOTE TO PHYSICIAN There is no specific antidote if Platinum is ingested. Induce emesis or lavage stomach. Treat symptomatically.</p>	

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to inter-tidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

Surface Water Advisory

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff (See manual at the following internet address:

<http://www.nrcs.usda.gov/water/quality/common/pestmgmt/files/core4.html>).

Runoff of this product will be reduced by **avoiding applications** when rainfall is forecasted to occur within 48 hours.

Ground Water Advisory

Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

Spray Drift Advisory

Do not allow this product to drift.

Physical or Chemical Hazards

Do not use, pour, spill or store near heat or open flame.

Storage and Disposal

Storage

Store in a cool dry place.

Pesticide Disposal

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Disposal

Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of using one of the following methods: 1) depositing in a sanitary landfill, 2) incineration, or, 3) burning, if allowed by state and local ordinances. Stay out of smoke from burning containers.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup, procedures and disposal of wastes.

EPA Reg. No. 100-939

EPA Est. 5905-GA-1

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Syngenta Crop Protection, Inc.
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SCP

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(Typed by Fred Pearson)