

59174-2

3/9/2000

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MASTER LABEL

SINCOCIN®

A biologically derived agent for control of nematodes and associated pathogens.

Ingredients

Active Ingredient:

Plant Extract* 0.56%

Other Ingredients: 99.44%

Total 100.00%

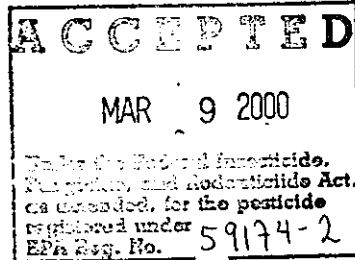
* The plant extract is derived from Quercus falcata, Opuntia lindheimeri, Rhus aromatica, and Rhizophoria mangle tissues.

Keep out of reach of children

CAUTION

Manufactured by:
Agriculture Sciences, Inc.
3601 Garden Brook
Dallas, TX 75234

EPA Reg. No. 59174-2
EPA Est. No. 59174-TX-1



Sincocin Agricultural/Commercial Use Sublabel.
This label contains application rates specific to
32 fl. oz., 1, 2.5, 30, 55, 275, and 300 gallon containers.

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CAUTION

See Side Panel for First Aid

CHEMIGATION: Refer to supplemental labeling entitled "Attachment" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling entitled AGRICULTURAL USE REQUIREMENTS in the DIRECTIONS FOR USE section of the labeling for information about this standard.

Manufactured by:
Agriculture Sciences, Inc.
3601 Garden Brook
Dallas, TX 75234

EPA Reg. No. 59174-2
EPA Est. No. 59174-TX-1

Net contents _____

This container will treat ____ (acres, hectares) at the highest application rate.

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SINCOCIN[®]

Sincocin reduces the feeding vigor of plant parasitic nematode species and stimulates certain predatory nematode species important in the biological control of damaging nematode populations. Unlike conventional nematicide, Sincocin does not suppress beneficial nematode species. Sincocin also improves a plant's ability to withstand a variety of pathogens and environmental stresses.

SEE ATTACHMENT FOR DIRECTIONS FOR USE.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks

Follow the 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.

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.
- ▶ Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

[Last revision March 6, 2000]

WARRANTY

The Manufacturer warrants that this product conforms to the original formulation and is fit for use as directed. Neither Manufacturer nor seller shall be liable for any injury, loss or damage direct or indirect arising from the misuse of the product. Agriculture Sciences, Inc. and its various sellers' only obligation shall be to replace such quantity of the product that is proven defective before purchase.

ATTACHMENT
EPA REG. No. 59174-2**SINCOCIN®****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 in this labeling 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.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

USES

Sincocin may be used on all food and feed crops, consistent with the use directions and restrictions stated below. Sincocin may also be used for horticultural applications, as noted below.

Sincocin is effective in reducing the rate of infection by nematodes and thereby secondary infections by plant parasitic fungi. When it is known or suspected that plants may have already been infected, the use of a systemic fungicide or nematicide may be necessary, followed by the use of Sincocin to prevent further infection.

EQUIPMENT AND MIXING

Apply Sincocin via boom, fan jet, hand-carried, or backpack spray equipment. This product may be applied through drip and overhead irrigation systems. Follow all chemigation directions below. Shake well before using. Agitate solutions either during or immediately after dilution. Apply solution within eight hours of mixing. Dilute Sincocin in water as specified in the table below:

Application Site	Treatment Area	Sincocin	Water (minimum)*
Food Crops, Row Crops and/or Orchards	5,000 sq. feet	3 fluid ounces	10 gallons
	1 acre	26 fluid ounces	90 gallons
	10 acres	2 gallons	900 gallons
Turf and/or Ornamentals	5,000 sq. feet	10 fluid ounces	10 gallons
	1 acre	87 fluid ounces	90 gallons
	10 acres	6.5 gallons	900 gallons

*The table specifies the minimum amount of water to be used; Sincocin may be diluted in a larger volume of water if desired. The amount of water used will vary according to equipment, type of nozzle used, number of nozzles, ground speed, system pressure, and calibration. If soil is covered with plant material, mulch, or thatch, use sufficient water to transport it to the soil during application or lightly irrigate after application.

APPLICATION INSTRUCTIONSFood Crops and Row Crops

Make first application during initial leaf flush with subsequent applications every 60 days during active growth. Maximum number of applications/area/year: 6

Orchards

Make first application during initial leaf flush with subsequent applications every 60 days during active plant growth. Maximum number of applications/area/year: 6

Note: If a systemic fungicide or nematicide is used to treat a current infection, begin treatments with Sincocin 60 days after use of the fungicide or nematicide.

Turf

Golf Greens and Tee Boxes Treat every 30 days for nematode control or every 14 days for control of secondary infections by root pathogens. Maximum number of applications/area/year: 10

Fairways Treat every 30 days. Maximum number of applications/area/year: 10

Note: If a systemic fungicide or nematicide is used to treat a current infection, begin treatments with Sincocin 14 to 28 days after use of the fungicide or nematicide.

Ornamentals

Make first application during initial leaf flush with subsequent applications every 30-60 days during active growth. Maximum number of applications/area/year: 10

Note: For control of secondary infections by fungal pathogens, make initial application prior to plant optimal growth conditions. If a systemic fungicide or nematicide is used to treat a current infection, begin treatments with Sincocin 14 to 28 days after use of the fungicide or nematicide.

CHEMIGATION OF SINCOCIN

General Information

Apply this product only through drip (trickle) or sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. 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 non-uniform 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.

MIXING AND APPLICATION

The following instructions apply to all chemigation methods discussed on this labeling.

Determine the number of acres to be treated by the chemigation system. Prepare a premix by adding the recommended volume of SINCOCIN from the table above and a minimum of one gallon of water for each acre to be treated into a reservoir container. The use of larger quantities of water to dilute the premix may make calibration of the application easier. Meter the premix into the chemigation system at a rate that will consume the entire premix within the period of chemigation or within 8 hours, whichever is less. Maintain agitation in the reservoir during the period of chemigation to keep material in suspension.

OBSERVE THE FOLLOWING PRECAUTIONS IF YOUR CHEMIGATION SYSTEM IS 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 a year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be 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 the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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 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, or in the cases where there is no water pump, 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.

**STATEMENTS CONCERNING THE OPERATION OF SPRINKLER CHEMIGATION;
UTILIZING A PRESSURIZED WATER AND PESTICIDE INJECTION SYSTEM.**

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.

**STATEMENTS CONCERNING THE OPERATION OF DRIP (TRICKLE) CHEMIGATION;
UTILIZING A PRESSURIZED WATER AND PESTICIDE INJECTION SYSTEM.**

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

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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.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container only.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Household Use Sublabel

SINCOCIN®

A biologically derived agent for control of nematodes and associated pathogens. For residential use only

Ingredients

Active Ingredient:

Plant Extract* 0.56%

Other Ingredients: 99.44%

Total 100.00%

* The plant extract is derived from Quercus falcata, Opuntia lindheimeri, Rhus aromatica, and Rhizophoria mangle tissues.

Keep out of reach of children

CAUTION

See Side Panel for First Aid

Manufactured by: Agriculture Sciences, Inc. 3601 Garden Brook Dallas, TX 75234

EPA Reg. No. 59174-2 EPA Est. No. 59174-TX-1

Net contents _____ fl. oz.

This container will treat ___ square feet at the highest application rate.

SINCOCIN®

Sincocin reduces the feeding vigor of plant parasitic nematode species and stimulates certain predatory nematode species important in the biological control of damaging nematode populations. Unlike conventional nematicides, Sincocin does not suppress beneficial nematode species. Sincocin also improves a plant's ability to withstand a variety of pathogens and environmental stresses.

See attachment for DIRECTIONS for USE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

WARRANTY

The Manufacturer warrants that this product conforms to the original formulation and is fit for use as directed. Neither Manufacturer nor seller shall be liable for any injury, loss or damage direct or indirect arising from the misuse of the product. Agriculture Sciences, Inc. and its various sellers' only obligation shall be to replace such quantity of the product that is proven defective before purchase.

Attachment

EPA Reg. No. 59174-2

SINCOCIN®**DIRECTIONS FOR USE**

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

Keep children and pets out of the treated area until sprays have dried.

USES

Sincocin may be used on all food and feed crops, consistent with the use directions and restrictions stated below. Sincocin may also be used for horticultural applications, as noted below.

Sincocin is effective in reducing the rate of infection by nematodes and thereby secondary infections by plant parasitic fungi. When it is known or suspected that plants may have already been infected, the use of a systemic fungicide or nematicide may be necessary, followed by the use of Sincocin to prevent further infection.

EQUIPMENT AND MIXING

For application via watering can, hand trigger sprayer, or pressurized sprayer: Dilute Sincocin in water as specified in the table below:

Application Site	Treatment Area	Sincocin	Water (minimum)*
Food Crops and/or Orchards	50 square feet	10 drops	1 quart
	500 square feet	2 teaspoons	1 gallon
	1,000 square feet	4 teaspoons	2 gallons
Ornamentals	50 square feet	1/2 teaspoon	1 quart
	500 square feet	1 fluid ounce	1 gallon
	1,000 square feet	2 fluid ounces	2 gallons

*If soil is covered with plant material, mulch, or thatch, dilute Sincocin in a larger volume of water to ensure transport to the soil. Alternatively, lightly irrigate after application.

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For hose-end sprayer: For use on food crops or orchards, put 2 teaspoons of Sincocin into reservoir and fill reservoir with water to 10 oz. For use on ornamentals, put 1 fl. oz. of Sincocin into reservoir and fill reservoir with water to 10 oz. Set sprayer to deliver 10 tablespoons/gallon of water. This will treat 500 square feet.

Shake well before using. Agitate solutions either during or immediately after dilution. Apply solution within eight hours of mixing.

APPLICATION INSTRUCTIONS

Food Crops

Make first application during initial leaf flush with subsequent applications every 60 days during active growth. Maximum number of applications/area/year: 6

Orchards

Make first application during initial leaf flush with subsequent applications every 60 days during active plant growth. Maximum number of applications/area/year: 6

Note: If a systemic fungicide or nematicide is used to treat a current infection, begin treatments with Sincocin 60 days after use of the fungicide or nematicide.

Ornamentals

Make first application during initial leaf flush with subsequent applications every 30-60 days during active growth. Maximum number of applications/area/year: 10

Note: For control of secondary infections by fungal pathogens, make initial application prior to plant optimal growth conditions. If a systemic fungicide or nematicide is used to treat a current infection, begin treatments with Sincocin 14 to 28 days after use of the fungicide or nematicide.

STORAGE AND DISPOSAL

PESTICIDE STORAGE	Store in original container only.
CONTAINER DISPOSAL	Securely wrap original container in several layers of newspaper and discard in trash.