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UNITED STIKTES HY RONMEN LAL OROT	ECTIONAGENERAT	Date of Issuance
Office of Pesticule Programs		050 04 10-1
Registration Division (H7305C)	55947-	SEP Z I 1994
Washington, D.C. 20460	152	
	150	
NOTICE OF DESTICIDE	Term of Issuance:	Conditional
Registration		
<u>x</u> Registration		
	Name of Pesticide Pro	oduct:
(under FIFRA, as amended)		
	SAN 420 I	WG
	Biologica	.1
	Insectici	de
Name and Address of Registrant (include ZIP Code):		
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Sandoz Agro, Inc.		
Des Plaines, Il 60018		
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Note: Changes in labeling differing in substance from that accepted in connection with this registral Division prior to use of the label in commerce. In any correspondence on this product abuves refe	tion must be submitted to and a in to the above PPA registration	eccepted by the Registration
On the basis of information furnished by the registrant, the above named pesticide is hereby registe Redenticide Act.	erea/reregistered under the Fede	eral Insecticide, Fungicide and
Registration is in no way to be construed as an endorsement or recommendation of this product by	the Agency. In order to protect	ct 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 interact a gight to evolve with the Act.	he acceptance of any name in
bas been covered by others.	INTER A LIGHT OF CACHINING USE (
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mbie weedwat is anditionally weedat		
This product is conditionally regist	cered in accor	dance with
FIFRA sec. 3(C)(7)(A) provided that you:		
1. Submit and/or cite all data requ	lired for regi	istration/
reregistration of your product under FIFR	(A sec. J(C)) = I	b) when the
Agency requires all registrants of simila	ar products to	S Submit such
data; and submit acceptable responses req	luirea for rei	registration
of your product under FIFRA section 4.		
3 Change the label by manimized the	EDA Dogiator	tion Number
to road "FDA Dow No 55047 150 "	e Era Registra	acton Number
LO LEAU, "EPA REG. NO. 5594/-152 ".		
2 Cubrit this sector of the menters	1 finel westere	
J. SUDMIT TWO COPIES OF THE REVISED	i final printe	ed label for
the record.		
II these conditions are not complied	1 WITH, the re	egistration
will be subject to cancellation in accord	ance with FII	FRA sec.
6(e). Your release for shipment of the p	product consti	itutes
acceptance of these conditions.		
		, I
A stamped copy of the label is enclo	osed for your	records.
Signature of Approxime Difficial further	Date OFD (·
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EPA Form 1320-1A (1/90)

(CONTAINER LABEL) SAN 420 I[®] WG BIOLOGICAL INSECTICIDE

For Control Of Insect Pests Of Vegetables, Fruit and Field Crops

ACTIVE INGREDIENT:

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Bacillus thuringiensis, subspecies kurstaki, 18.0%

Potency units should not be used to adjust use rates beyond those specified in the Directions for Use section.

* Equivalent to 41 billion International Units per pound.

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

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

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Made in the USA EPA REG. NO.:

EPA EST. NO.: 55947-CA-2



Lot No.:

ivel Contents.

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SAN 420 I® WG is a registered trademark of Sandoz Ltd.

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) WARNING

Causes eye irritation. Do not get into eyes, on skin, or on clothing.

Harmful if inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals. Avoid contact with skin, eyes or clothing. Discontinue use if reaction occurs. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

STATEMENT OF PRACTICAL TREATMENT

<u>If On Skin</u>: Wash with plenty of soap and water.Get medical attention, if irritation persists. <u>If in eyes</u>: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Personal Protective Equipment:

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Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products 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.

Engineering controls 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:

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• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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- 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 contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

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

AGRICULTURAL USE REQUIREMENTS

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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 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 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
- Waterproof gloves

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- Shoes plus socks
- Protective eyewear

Unless specifically stated, do not apply this product through any type of irrigation system. Refer to the Directions for Use booklet attached to this container for further directions.

STORAGE AND DISPOSAL

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

Storage: Store in original container in a cool, dry place inaccessible to children and pets and away from heat and direct sunlight. Protect from freezing. Storage at temperatures above 90°F may impair effectiveness. When kept at room temperature (+21°C to 24°) SAN 420 I® WG will keep its activity approximately 2 years.

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- Pesticide Disposal: Pesticide, spray mixture, or rinse water that cannot be used according to label instruction must be disposed of according to Federal, State, or Local procedures.
- Container Disposal: Completely empty container into application equipment. 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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(DIRECTIONS FOR USE) SAN 420 I® WG BIOLOGICAL INSECTICIDE

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Made in the U.S.A.

EPA Reg. No.

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- Coveralls over short-sleeved shirt and short pants

- Waterproof gloves

- Shoes plus socks

- Protective eyewear

Prosper with pesticides by using them properly! Read and follow label directions.

This labeling must be in the possession of the user at the time of the pesticide application.

<u>NOTICE:</u>Read "Limitation of Warranty and Limitation of Liability" on the container or in this Directions for Use section before buying or using. If terms are not acceptable, return at once unopened.

Unless specifically stated, do not apply this product through any type of irrigation system.

SAN 420 • WG is a biological insecticide specific for the control of lepidopterous larvae (see Recommended Application Rates section).

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SAN 420 PWG attacks the larval gut and must be ingested by the insect to be effective.

SAN 420 PWG may be applied up to and on the day of harvest.

SAN 420 PWG is a registered trademark of Sandoz Ltd.

Manufactured by: Sandoz Agro, Inc., 1300 East Touhy Avenue, Des Plaines, Illinois 60018.

GENERAL USE INSTRUCTIONS

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For most consistent control, apply at first sign of newly hatched worms (1st and 2nd instar larvae). Instructions for specific crops are located in ADDITIONAL INSTRUCTION sections under RECOMMENDED APPLICATION RATES.

Reapply as necessary under a pest management program that includes close scouting.

If rapid knockdown of heavy worm or non-lepidopterous populations is necessary, include an effective contact insecticide in combination with SAN 420 I • WG.

For heavy worm infestations, use the higher SAN 420 I WG rate. During situations of dense foliage and/or rapid growth, shorter application intervals and increased water carrier volumes will provide better crop coverage and improve SAN 420 I WG performance.

Tank mix recommendations are for use only in states where the tank mix product and application site are registered.

Read and follow <u>all</u> label directions for use for other pesticides used as tank mix partners with **SAN 420 IP WG** for specific rate recommendations, application timing, and precautions.

Mixing:

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Fill spray or mixing tank 3/4 full. Turn on agitation and pour SAN 420 I[®] WG into water while maintaining continuous agitation. Add other spray material (if any) and add balance of water. Agitate as necessary to maintain suspension. Do not allow diluted sprays to remain in the tank for more than 48 hours. SAN 420 I[®] WG is formulated to provide desirable coverage and adherence to leaf surfaces. Additional adjuvants, spreaders, or stickers may be added to improve product performance, especially under heavy dew or rainy conditions. Combinations with commonly used insecticides, fungicides, or other spray tank adjuvants are generally not deleterious to SAN 420 I[®] WG if the mix is used promptly. Before mixing in the spray tank, it is advisable to test physical compatibility by mixing all components in a small container in proportionate quantities.

APPLICATION VOLUMES

SAN 420 I WG can be applied by ground or air in water sufficient to insure thorough and even coverage. Thorough and uniform crop coverage is required for adequate insect control. Applications at higher water volumes have demonstrated improved control of targeted pests. Early morning or evening applications, when air is calm, are generally best for aerial applications.

INSECTS CONTROLLED

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WHEN USED AS DIRECTED, SAN 420 P WG WILL CONTROL THE FOLLOWING INSECTS

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COMMON NAME	SCIENTIFIC NAME
Alfalfa caterpillar	Colias eurytheme (Boisduval)
Aimond moth	Cadra cautella (Walker)
Armyworm	Pseudaletia unipuncta (Haworth)
Artichoke plume moth	Platyptilla carduidactyla (Riley)
Bagworm	Thyridopteryx ephemeraeformis (Haworth)
Banana skipper	Erionota thrax (Haworth)
Blueberry leafrollers	various
Blueberry spanworm	Itame argillacearia (Pack.)
Bollworm, Tomato Fruitworm, Corn Earworm	Helicoverpa zea (Boddie)
California oak moth	Phrygnidia californica (Packard)
Cherry fruitworm	Grapholita packardi (Zeller)
Citrus cutworm	Xylomyges curialis
Codling moth	Cydia pomonella (Linnaeus)
Cotton leafworm	Alabama argillacea (Hubner)
Cotton leafperforator	Bucculatrix thurberiella (Busck)
Cutworm	various, family Noctuidae
Diamondback moth	Plutella xylosteella (Linnaeus)
Douglas-fir tussock moth	Orgyia pseudotsugata (McDunnough)
Elm spanworm	Ennomos subsignaria (Hubner)
European corn borer	Ostrinia nubilalis (Hubner)
Fall cankerworm	Alsophila pometaria (Harris)
Fall webworm	Hyphantria cunea (Drury)
Filbert webworm	Melissopus latiferreanus (Walsingham)
Fruittree leafroller	Archips argyrospila (Walker)
Grape leaffolder	Desmia funeralis (Hubner)
Grapeleaf skeletonizer	Harrisina americana (Guerin)
Green cloverworm	Plathypena scabra (Fabricius)
Green fruitworm	Lithophane antennata (Walker)

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COMMON NAME	SCIENTIFIC NAME
Gypsy moth	Lymantria dispar (Linnaeus)
Helicoverpa spp.	Helicoverpa spp.
Heliothis spp.	Heliothis spp.
Hornworms	Manduca spp.
Imported cabbageworm	Pieris rapae (Linnaeus)
Jack pine budworm	Chloristoneura pinus (Freeman)
Loopers	various
Mimosa webworm	Homadaula anisocentra (Meyri)
Naval orangeworm	Amyelois transitella (Walker)
Obliquebanded leafroller	Choristoneura rosaceana (Harris)
Ominverous leafroller	Platynota stultana
Omniverous leaftier	Cnephasir. Iongana (Haworth)
Orangedog	Papilio cresphontes (Cramer)
Orange tortrix	Argyrotaenia citrana (Fernald)
Oriental fruit moth	Grapholita Mo.'esta (Busck)
Peach twig borer	Anarsia lineatella (Zeller)
Pecan nut casebearer	Acrobasis nuxvorella (Neunzig)
Redbanded leafroller	Argyotaenia velutinana (Walker)
Redhumped caterpillar	Schizura concinna (J.E. Smith)
Rindworm complex	various
Roughskinned cutworm	Athetis mindara (Barnes & McDunnough)
Saltmarsh caterpillar	Estigmene acrea (Drury)
Sod webworm	Crambus mutabilis
Southwestern corr. borer	Diatraea grandiosella (Dyar)
Spotted cutworm	Xestia spp.
Spring cankerworm	Paleacrita vernata (Peck)
Spruce budworm	Choristoneura fumiferana (Clemens)
Tent caterpillar	various, family Lasiocamidae
Tobacco budworm	Heliothis virescens (Fabricius)
Tobacco hornworm	Manduca sexta (Linnaeus)
Tomato pinworm	Keiferia lycopersicella (Walsingham)

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COMMON NAME	SCIENTIFIC NAME
Tropical sod webworm	Herpetogramma phaeopteralis (Guenee)
Tufted apple bud moth	Platynota idaeusalis (Walker)
Variegated leafroller	Platynota flavedana (Clemens)
Velvetbean caterpillar	Anticarsia gemmatalis (Hubner)
Western tussock moth	Orgyia vetusta (Boisduval)

Rate Selection Considerations

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Rate recommendations are typically given as a range:

Lower rate ranges may be desired when tank mixing with contact insecticides labeled for worm control or under conditions of light worm infestations or when uniformly small worms are present.

Medium rate ranges may be desired when multiple worm life stages are present, continuous egg hatches are occurring or young or light armyworm infestations exist.

Upper rate ranges may be desired for heavy worm infestations, mature (larger) worms or for moderate to heavy infestations of armyworm, bollworm or other difficult to control worm species.

Use recommended amount of SAN 420 I[®] WG in water sufficient to insure thorough coverage depending on type of crop, application equipment and requirements of state regulations. Low volume applications may be used, but proper application equipment must be used to insure adequate coverage. Thorough and uniform crop coverage is required for adequate insect control.

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RECOMMENDED APPLICATION RATES

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CROPS	LBS./ACRE
VEGETABLE CROPS	
Artichokes ADDITIONAL INSTRUCTIONS: For ground applications, apply in a minimum of 100 gal. of water per acre with a spray interval of 10 days or less. To aid in resistance management of the artichoke plume moth, apply 0.5 lb/A	0.25-1.50
in combination with ASANA® XL, AMBUSH®, or SUPRACIDE® by ground or air. Use and follow all label directions of the tank mix partner regarding application, timing, gallonage, and schedules.	······
Asparagus, Beans (Green, Lima, Mung), Broccoli, Broccoli Raab (Rapini), Brussels Sprouts, Cabbage, Cardoon, Carrots, Cauliflower, Celeriac, Celery, Chick Peas, Chinese Broccoli, Chinese Cabbage, Collards, Cucumbers, Dry Bulb Onions, Eggplants, Garlic, Green Onions, Greens (Dandelion, Turnip, Mustard, Beet, China), Herbs (Basil, Cilantro, Dill, Oregano, Thyme, etc.), Horseradish, Kale, Kohl Rabi, Leeks, Lettuce (Endive, Romaine, Head Lettuce, Escarole, Butter Crunch, Leaf, etc.), Meions (Cantaloupe, Crenshaw, Honeydew, Muskmeion, Watermeion, etc.), Okra, Onions, Parsley, Parsnips, Peas, Peppers, Potatoes, Pumpkins, Radishes, Rutabaga, Salsify, Spinach, Squash (Summer and Winter), Sweet Corn, Sweet Potatoes, Swiss Chard, Table Beets, Tomatoes, Turnip Root, Watercress, Yams	0.06-1.50
ADDITIONAL INSTRUCTIONS: Apply as necessary to maintain control.	
FIELD CROPS	
Alfalfa (Hay and Seed), Sudan Grass, Hay Crops & Other Forage Crops ADDITIONAL INSTRUCTIONS: Under conditions of rapid plant growth and rapidly increasing armyworm populations (10 worms or greater per 180° sweep) use the highest rate. Against heterogenous worm populations, where 4th and 5th instars are present, and continuous egg laying is occurring, applications may provide variable control. Under these conditions, the addition of a contact insecticide in combination with SAN 420 I [®] WG is recommended.	0.12-1.50
The addition of a spreader sticker to SAN 420 MG may provide improved performance.	
Canola and Evening Primrose ADDITIONAL INSTRUCTIONS: Apply as necessary to maintain control.	0.06-1.50

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CROPS	LBS./ACRE
Dry Beans and Peas, Lentils, Mint, Peanuts, Rice, Safflower, Soybeans, Sugar Beets, Sunflower, Sorghum ADDITIONAL INSTRUCTIONS: Apply as necessary to maintain control.	0.12-1.50
Field Corn, Pop Corn, Seed Corn ADDITIONAL INSTRUCTIONS: Make initial application when economically damaging populations exist. Repeat as necessary to maintain control. Applications must be made to early instars prior to entering the ear or plant.	0.25-1.50
Hops ADDITIONAL INSTRUCTIONS: Apply as necessary to maintain control.	0.12-1.50
Begin treatment as soon as possible after hatching and before larvae are protected by leaf folds.	
Jojoba ADDITIONAL INSTRUCTIONS: Apply in a minimum of 50 gallons of water per acre by ground equipment or a minimum of 10 gallons of water by aerial equipment. Thorough coverage of foliage is essential and dictates the minimum spray volumes necessary.	0.25-1.50
Small Grains ADDITIONAL INSTRUCTIONS: Apply as necessary to maintain control.	0.50-1.50
Tobacco ADDITIONAL INSTRUCTIONS: Apply as necessary to maintain control.	0.06-1.50
Cotton Including Arizona and California Early and Mid-Season ADDITIONAL INSTRUCTIONS: Repeat as necessary throughout season to maintain control. If egg laying frequency indicates future moderate to heavy worm populations, time application spray to coincide with the 2nd instar larvae. During periods of high temperatures, worms will progress through 1st and 3rd instars very rapidly and early application timing is necessary for control. To be effective, SAN 420 P WG spray must be deposited at the larval feeding site. When plant cover is dense and worms are feeding in the lower 2/3	0.25-1.50
portion of the plant, aerial application of SAN 420 I WG may not provide adequate control. For the control of light to moderate infestations, apply at first sign of egg-laying or newly-hatched worms (1st instar larvae).	
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CROPS LBS./ACRE **Except Arizona and California** ADDITIONAL INSTRUCTIONS: Helcoverpa zea and Heliothis virescens Early Season 0.12-1.50 Begin applications when at least 50% of plants are at pinhead square stage and Helicoverpa zea or Heliothis virescens are present at damaging levels. If Helicoverpa zea is the predominant species or if worm populations are high, use a higher rate or tankmix with a labeled ovicide (see below). 0.25-1.50 Mid-Season Repeat as necessary throughout season to maintain control. Time application at peak egg hatch or 1st instar larvae. If egg laying is heavy and constant over a three to five day period, time application when eggs laid on the first day have developed into 2nd instar larvae. During periods of high temperature, worms will progress through 1st and 3rd instars very rapidly and early application timing is necessary for control. Continue applications as needed based on field scouting up to pyrethroid spray window. To be effective, SAN 420 PWG spray must be deposited at the larval feeding site. When plant cover is dense and vorms are feeding in the lower 2/3 portion of the plant, aerial application of SAN 420 PWG may not provide adequate control. For added control of Helicoverpa zea and Heliothis virescens, tank mixing SAN 420 IP WG with a labeled ovicide, such as amitraz (0.125-0.25 lb a.i./acre), methomyl (0.125 lb a.i./acre), profenofos (0.25 lb a.i./acre), or thiodicarb (NOT FOR CALIFORNIA) (0.125-0.25 lb a.i./acre) is recommended. For added control of pyrethroid resistant Heliothis virescens, include SAN 420 PWG as a tank mix partner with pyrethroid applications. 0.50-1.50 Spodoptera exigua Apply when Spodoptera exigua population densities are damaging. Time application when the majority of the worm population is in the egg-hatch to 3rd instar stage. If populations are dense, use a higher rate. To be effective, SAN 420 P WG spray must be deposited at the larval feeding site. When the plant canopy is dense, for best control tank mix SAN 420 P WG with a labeled larvicide, such as chlorpyrifos (0.25-1.0 lb a.i./acre), methomyl (0.33-0.75 lb a.i./acre), profenofos (0.5-1.0 lb a.i./acre), or thiodicarb

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(NOT FOR CALIFORNIA) (0.6-0.9).

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CROPS	LBS./ACRE
FRUIT, NUT, & VINE CROPS	
Apples and Pears ADDITIONAL INSTRUCTIONS: Apply when newly hatched larvae appear and before leaves are rolled. Continue applying as a part of the normal cover spray program until pest is adequately controlled. Apply when caterpillars are actively feeding (2nd-4th instars).	0.25-2.00
Avocados ADDITIONAL INSTRUCTIONS: Apply as necessary to maintain control. Begin treatment as soon as possible after hatching and before larvae are protected by leaf folds. (Amorbia [Mexican leafroller] is suppressed only.)	0.25-1.50
Bananas ADDITIONAL INSTRUCTIONS: Hawaii only. Use calibrated ground equipment with adequate water to apply to point of runoff.	0.25-1.50
Citrus ADDITIONAL INSTRUCTIONS: Use 50-600 gallons of water per acre when using ground equipment and 10 gallons of water minimum per acre by air. (Amorbia [Mexican leafroller] is suppressed only.)	0.12-1.50
Blueberries, Caneberries, Currants, Kiwi ADDITIONAL INSTRUCTIONS: Apply by ground equipment only. Begin treatment as soon as possible after hatching. For leafrollers, apply before larvae are protected by leaf-folds.	0.12-1.50
Grapes ADDITIONAL INSTRUCTIONS: Start treating as soon as possible after hatching and before larvae are protected by leaf folds.	0.25-1.50

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CROPS	LBS./ACRE
Almonds, Apricots, Cherries, Filberts, Nectarines, Peaches, Pecans, Persimmons, Plums, Pomegranate, Prunes, Walnuts ADDITIONAL INSTRUCTIONS: For leafrollers, start treating as soon as possible after hatching and before larvae are protected by leaf folds. Apply when caterpillars are actively feeding (2nd to 4th instar). Application timing is very important for good pecan nut casebearer suppression. Consult your local university or extension agent for information concerning specific modeling that predicts egg lay, typical application dates, and scouting techniques for your area. SAN 420 P WG must be present at egg hatch for best control. Make application when the majority of eggs are in the pink stage. For best control make two applications 7 days apart. If only	0.12-2.00
Nelone (Also see vegetables)	0 12-1 50
ADDITIONAL INSTRUCTIONS: Apply at first sign of hatch before larvae enter fruit. Repeat as necessary to maintain control.	0.1241.50
Strawberries ADDITIONAL INSTRUCTIONS: Apply as necessary to maintain control.	0.12-1.50
In a tank mix with contact insecticides, use a minimum of 1/2 lb. of SAN 420 P WG for the control of armyworm.	
SHADE TREES and ORNAMENTALS (INCLUDING ROSES)	0.06-1.50
ADDITIONAL INSTRUCTIONS: Apply when leaf expansion reaches 40% to 50% as infestation warrants. If eggs hatch over a long period of time, or if reinfestation occurs, spray about 14 days after first application.	
Apply when most larvae are 3rd-4th instar. Also consider the opening of the bud cap to ensure foliage exposure.	
Apply after eggs have hatched and early instar larvae are feeding on exposed foliage.	
TURF AND GRASS SEED PRODUCTION	0.50-1.50
ADDITIONAL INSTRUCTIONS: Repeat as necessary throughout season to maintain control.	

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CROPS

STORED SOYBEANS, GRAINS (INDIAN MEAL MOTH, ALMOND MOTH)

ADDITIONAL INSTRUCTIONS:

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To control and prevent Indian Meal Moth and Almond Moth infestations of stored soybeans and grains, prepare a spray mixture which includes 1 gallon of water for every 1.5 oz. by weight of SAN 420 P WG. The spray mixture may be applied either by treating the top 4 inches of grain as it is being augered into storage (applying 0.6 pint of mixture per bushel in the grain stream), or by treating the surface of grain after it is in the bin. The Table below can be used as a guide in determining the total amount of SAN 420 P WG needed according to the bin diameter or the number of bushels to be treated.

Bin Diameter (ft.)	Surface Area (sq. ft.)	Bushels (to 4 in. depth)	SAN 42 Ra (by wei	0 IP WG te ght)
			Grams	<u>oz.</u>
8	50	13	21	0.40
12	113	30	50	0.90
16	201	53	85	1.50
20	314	84	120	2.15
24	452	120	185	3.25
28	615	163	255	4.50
32	804	214	326	5.75

To insure thorough coverage when making applications to the grain surface after it is in the bin, apply spray mixture in three (3) applications. Mix, the grain with a scoop or rake to a depth of four (4) inches after each application.

Stored grain may be treated anytime, but for best results, treat grain at the time it is placed into storage or shortly thereafter, or in the early spring prior to egg-laying. Full season control is normally experienced. Re-treat only if reinfestation occurs.

For the protection of bagged grain, apply spray mixture to entire grain mass, and mix thoroughly prior to bagging. SAN 420 IP WG at 3 oz. by weight per 10 gallons of water will treat approximately 100 bushels.

Treated grain may be used at any time after treatment.

FLOWERS AND ORNAMENTALS

SAN 420 • WG may also be used on flowers and ornamentals outdoors and in the greenhouse at a rate of 0.12 - 1.50 lb. per 100 gallons of water for control of listed insects on this label.

	CROPS	LBS./ACRE
GUIDE FOR SMALL SPRAY VOLUME MIXING		
Rate	Conversion Rate*	
Lbs./A	Teaspoons/Gallon	
1/8	1/4	
1/4	1/2	
1/2	1	

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STORAGE AND DISPOSAL

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

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Storage:	Store in original container in a cool, dry place inaccessible to children and pets and away from heat and direct sunlight. Protect from freezing. Storage at temperatures above 90°F may impair effectiveness. When kept at room temperature (+21°C to 24°) SAN 420 P WG will keep its activity approximately 2 years.
Pesticide Disposal:	Pesticide, spray mixture, or rinse water that cannot be used according to label instruction must be disposed of according to Federal, State, or Local procedures.
Container Disposal:	Completely empty container into application equipment. 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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