



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

SEP 0 7 2012

Ms Christie Hitchock Nufarm Americas Inc 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527

Subject Submission of Reformatted Label for Ease of Reading

Senator® 600 FS

EPA Reg No 228-522

Your submission date July17, 2012

Dear Ms Hitchock

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable. A stamped copy is enclosed for your records. Submit one copy of your final printed labeling before you release the product for shipment. If there are questions call Dani Daniel at 703 305-5409 or electronically at daniel dani@epa gov.

1

Venus Eagle

Product Manger (01)

Insecticide/Rodenticide Branch Registration Division (7504P)

SENATOR® 600 FS

FOR USE AS A SEED TREATMENT TO PROTECT THE SEED OF LISTED CROPS AGAINST LISTED PESTS

ACTIVE INGREDIENT Imidacloprid
OTHER INGREDIENTS

48 7%

51 3% 100 0%

TOTAL

Contains 5 pounds active per gallon (600 grams per liter) @ 20 C

CAUTION

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424 9300 For Medical Emergencies Only, Call (877) 325-1840

EPA REG NO 228 522 EPA EST NO _____ MANUFACTURED FOR NUFARM AMERICAS INC 150 HARVESTER DRIVE BURR RIDGE, IL 60527



ACCEPTED
SEP 0 7 2012
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under

EPA Reg No 228-521	EPA	Reg No	228-522
--------------------	-----	--------	---------

NET CONTENTS _____ GALS (____ Liters)

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Harmful if inhaled Harmful if swallowed Causes moderate eye irritation. Avoid breathing spray mist Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating drinking chewing gum or using tobacco. Avoid contact with eyes or clothing. Wear protective eye wear. Wear long sleeved shirt and long pants, socks, shoes, and chemical resistant gloves made of waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton.

Move the person to fresh air If person is not breathing call 911 or an ambulance then give artificial respiration preferably
mouth to-mouth if possible Call a poison control center or doctor for further treatment advice
 Call a poison control center or doctor immediately for treatment advice Have person sip a glass of water if able to swallow DO NOT induce vomiting unless told to do so by the poison control center or doctor DO NOT give anything by mouth to an unconscious person
 Hold eye open and rinse slowly and gently with water for 15 to 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.
 Take off contaminated clothing Rinse skin immediately with plenty of water for 15 to 20 minutes Call a poison control center or doctor for treatment advice

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1 877-325-1840 for emergency medical treatment information.

NOTE TO PHYSICIAN

No specific antidote is available. Treat the patient symptomatically

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as barrier laminate butyl rubber nitrile rubber neoprene rubber natural rubber polyethylene polyvinylchloride (PVC) or viton
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment 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

This product is highly toxic to birds and aquatic invertebrates. For terrestrial uses 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 disposing of equipment washwaters. Cover or incorporate spilled treated seeds.

Imidacloprid is highly toxic to bees. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds

DIRECTIONS FOR USE

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

For use in commercial seed treatment facilities Use is also permitted as an end use seed treatment on agricultural establishments at planting or immediately before planting as specified in the Specific Crop Use Directions This product is to be used in liquid or slurry treaters only

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.

Mix thoroughly before use or use entire container at one time. All tank mixes should be pre-tested to determine physical compatibility between formulations. Follow the most restrictive precautions and limitations on the labeling of all products used in mixtures.

One fluid ounce of this product contains 17 7 grams imidacloprid

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

Exception If the seed is treated with the product and the treated seed is soil injected or soil incorporated the Worker Protection Standard under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated 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
- Chemical-resistant gloves made of any waterproof material such as barrier laminate butyl rubber nitrile rubber neoprene rubber natural rubber polyethylene poly
- · Shoes plus socks
- Protective eyewear

ROTATIONAL CROPS

Treated areas may be replanted with any crop specified on an imidacloprid label or any crop for which a tolerance exists for the active ingredient as soon as practical following the last application. The following plant back intervals must be observed for listed crops

	ROTATION	AL PLANT	-BACK INTERVALS*	
	IMMEDIATE P	LANT-BACK		30-DAY PLANT-BACK
Artichoke	Crambe	Oats	Soybean	Cereals including
Barley	Cucurbits	Okra	Strawberry	buckwheat
Borage	Eggplant	Pepinos	Sugarbeet	rice
Brassica (cole)	Flax	Pepper	Sunflower	
leafy vegetables	Groundcherry	Popcorn	Tomatillo	
Bulb vegetables	Leafy petiole vegetables	Potato	Tomato	1
Canola	Leafy vegetables	Rapeseed	Triticale	
Cılantro	Legume vegetables	Rye	Root and Tuber vegetables	
Corn Field	(succulent or dried	Safflower	Watercress	
Corn Sweet	including Soybean)	Sorghum	Wheat	
Cotton	Millet	-		
Cranberry	Mustard seed			

Cover crops for soil building or erosion control may be planted any time but do not graze or harvest for food or feed
For all other crops not listed on an imidacloprid label or for crops for which no tolerance for the active ingredient has been established a 12-month plant back interval must be observed

NOTIFICATION of the crop rotational restriction must be conveyed to the grower by appropriate seed tag labeling or bag printing on all seed units

NOTE The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21 CFR. Part 2.25 Any dye or colorant added to treated seed must be cleared for use under 40 CFR. Part 180 1001. Federal regulations have established official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances use only at specified rates.

Treated seed must not be used for or mixed with food or animal feed or processed for oil. Seed commercially treated with this product must be labeled in accordance with all applicable requirements of the Federal Seed Act

USE RESTRICTIONS

- DO NOT use as a planter (hopper) box treatment
- DO NOT use treated seed for feed food or oil purposes
- · Store treated seed away from feeds and foodstuffs
- DO NOT allow children pets or livestock to have access to treated seed
- The maximum application rate for imidacloprid (including seed treatments foliar applications soil applications) is 0.5 lbs per acre per year
 DO NOT apply more than 0.5 lbs ai imidacloprid per acre per year
- Treated seed must be planted into the soil at a depth greater than 1 inch
- Exposed treated seed may be hazardous to birds. Cover or incorporate spilled treated seed. Excess or leftover seed may be double-sown around the headland or buried away from bodies of water in accordance with local requirements.

SEED BAG LABELING REQUIREMENTS

Seed commercially treated with this product must be labeled in accordance with all applicable requirements of the Federal Seed Act. The user of this product is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

THE FEDERAL SEED ACT REQUIRES THAT BAGS CONTAINING TREATED SEEDS BE LABELED WITH THE FOLLOWING STATEMENTS

- This seed has been treated with SENATOR 600 FS (imidacloprid)
- DO NOT use for feed food or oil purpose

THE US ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON BAGS CONTAINING SEEDS TREATED WITH SENATOR 600 FS (Imidacloprid)

- Pollinator Precautions Imidacloprid is highly toxic to bees. Ensure that planting equipment is functioning
 properly in accordance with manufacturer specifications to minimize see coat abrasion during planting to reduce
 dust which can drift to blooming crops or weeds
- · Store away from feeds and foodstuffs
- · Wear long-sleeved shirt long pants and chemical resistant gloves when handling treated seed
- Treated seed must be planted into the soil at a depth greater than 1 inch
- Exposed treated seed may be hazardous to birds. Cover or incorporate spilled treated seeds. Excess or leftover seed may be double sown around the headland or buried away from bodies of water in accordance with local requirements.
- Dispose of seed packaging in accordance with local requirements
- . DO NOT contaminate water bodies when disposing of planting equipment wash water
- DO NOT allow children pets or livestock to have access to treated seed
- In the event of a crop failure or harvest of a crop grown from SENATOR 480 FS treated seed the field may be replanted immediately to artichoke barley borage Brassica (cole) leafy vegetables bulb vegetables canola cilantro corn (field or sweet) cotton cranberry crambe cucurbits eggplant flax groundcherry leafy petiole vegetables leafy vegetables legume vegetables (succulent or dried including soybean) millet mustard seed oats okra pepinos pepper popcorn potato rapeseed rye safflower sorghum soybean strawberry sugarbeets sunflower tomatillo tomato triticale root and tuber vegetables watercress and wheat For cereals including buckwheat and rice the minimum plant-back interval is 30 days from the date SENATOR 600 FS treated seed was planted. Cover crops for soil building or erosion control may be planted at any time but do not graze or harvest for food or feed. For all other crops not listed on an imidacloprid label or for crops for which no imidacloprid tolerance for the active ingredient has been established a 12-month plant-back interval must be observed.
- The maximum application rate (including seed treatment foliar application and soil application) per acre per year for imidacloprid is 0.5 lbs
- This seed has been treated with _X_lbs imidacloprid per ____ lbs of seed [or _X_ mg imidacloprid per seed]
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticides remain in the ethanol by products that are used in agronomic practice

SPECIFIC CROP USE DIRECTIONS

CARROT				
To provide early season protection of seedlings against injury by listed pests apply as a commercial seed treatment For Use In Commercial Seed Treatment Facilities				
Seed corn maggot Wireworm	6 4			

VVIICAACIIII						
CORN						
For the protection of corn plants from the corn in	sect pests listed belo	ow apply as a se	ed treatment at the spec	ified rates		
Field Corn						
For Use In Commercial Seed Treatment Facilities						
Target Pests Fluid Ounces of Product /		roduct /	MG AI /			
. u. got i ooto	100 lb seed*	1000 seeds	80,000 seed count	SEED		
Corn root worm (including Northern Western Southern and Mexican¹) Flea beetle Chinch bug Southern green stinkbug White grub Seed corn maggot Thrips Wireworm Corn leaf aphid Imported fire ant Southern corn leaf beetle Billbug² Grape colaspis² Black cutworm³	13 5	0 076	6 05	1 34		
Flea beetle Chinch bug Seed corn maggot Thrips Wireworm Corn leaf aphid Imported fire ant Grape colaspis ² White grub	6 0	0 034	2 69	0 60		
Seed corn maggot (seed protection only) Wireworm (seed protection only) Flea beetle (through 1 leaf stage) Imported fire ant White grub ⁴	16	0 009	0 72	0 16		

This product contains 17 700 mg imidacloprid (Al) / fluid ounce

² Reduces early season feeding damage

⁴ Reduces feeding damage during emergence and seedling stages

NOTE To maintain mg ai / seed adjust fluid ounces / 100 lb in proportion to the actual seeds / lb compared to the standard number of seeds / lb for that crop fluid ounces per number of seeds (i.e. 1000 80 000 140 000) does not

^{*}based on a standard number of 1786 seeds / lb (100 000 seeds / 56 lb bu)

¹ In areas of heavy to severe corn rootworm populations protection will not be adequate. Use only in areas of light to moderate corn rootworm populations. Consult your State Agricultural Extension Service on levels of corn rootworm populations.

2 Polynope populations.

³ Will reduce feeding damage caused by leaf feeding black cutworms that are 1/2 inch or less in length

need to be adjusted For example if there are 2800 corn seeds / lb and the targeted rate is 0 0946 mg ai / seed at a non adjusted rate of 1 6 fl oz / 100 lb of seed use $(2800 - 3000) \times 1.6 = 1.49 \text{ fl oz} / 100 \text{ lb of seed}$

For End Use Application At Agricultural Establishments

Apply using an HCBT or an Eight-Bag Batch Treater Shake this product thoroughly before use Dilute this product with water and/or an approved Nufarm fungicide mixture. Adjust the final slurry rate to apply a rate of 8 to 10 fluid ounces of diluted slurry per 50 pound bag of seed. Treat one half of slurry mix. Allow mixing until seed is thoroughly covered Apply 0.75 ounce of dry TALC per 50 pound bag of seed following the product application and allow it to distribute evenly on the seed.

Sweet Corn				
For Use in Commercial Seed Treatment Facilities				
Target Pests	Fluid Ounces Product / 100 lb seed			
Flea beetle				
Early season corn leaf aphid	6 4			
Seed corn maggot				
Wireworm				
Imported fire ant				
Early season corn leaf aphid	32-64			
Seed corn maggot	32-04			
Wireworm				
Imported fire ant				
Seed corn maggot (seed protection)	16-32			
Wireworm (seed protection)				
Wireworm (seed protection)	08-16			
Adjust the final slurry rate to apply 16 to 20 fluid ounces	of diluted solution per 100 lb of seed with commercial			
equipment				
Popcorn				
For Use In Commerc	ial Seed Treatment Facilities			
Target Pests	Fluid Ounces Product / 100 lb seed			
Flea beetles 6 4				

To provide protection of seedling	ngs against injury by listed pests apply as a seed treatment at	the specified rates
	For Use In Commercial Seed Treatment Facilities	
Target Pests	Fluid Ounces Product / 100 lb seed	MG AI/ SEED
Thrips Aphids	12 8	0 375
	For End Use Application At Agricultural Establishments	
	on Datab Tractor Chake this product the reveal by before were. The	
with water or an approved Nufa the final slurry rate to apply a ra seed with one half of slurry mix	ag Batch Treater Shake this product thoroughly before use The arm fungicide mixture such as SEBRING 318 FS for extended ate of 8 to 10 fluid ounces of diluted slurry per 50-pound bag of Add the balance of the seed and apply balance of slurry. All	d disease protection Adjust of seed. Treat one half of
with water or an approved Nufa the final slurry rate to apply a ra	arm fungicide mixture such as SEBRING 318 FS for extende ate of 8 to 10 fluid ounces of diluted slurry per 50-pound bag o	d disease protection Adju of seed Treat one half of ow mixing until seed is

Regardless of the type of application (seed treatment soil or foliar) **DO NOT** apply more than a total of 0 5 pound of imidacloprid per acre per year

OIL SEED CROP GROUP	
To provide early season protection of seedlir rates	igs against injury by listed pests apply as a seed treatment at the specified
For Use Ir	Commercial Seed Treatment Facilities
Canola, rapeseed, mustard seed	
Target Pests	Fluid Ounces Product / 100 lb seed
Aphids	10 24 – 25 6

Flea beetles	
Wireworms	
	high numbers use the higher application rate within the specified
	patterns history and forecasts to assist in determining the
	patterns history and forecasts to assist in determining the
appropriate rate for your region	
For suppression of 2 nd Generation Lygus bugs including Lygus s	pp 15 36 – 25 6
Seedpod weevil larvae including Ceutorhynchu	
Flax*, crambe*, and borage*	3 4331111113
Target Pests	Fluid Ounces Product / 100 lb seed
Wireworms	Traid Ounces Froduct 7 100 ib seed
Seed corn maggots	25 6
Flea beetles	250
Safflower*	
Target Pests	MG AI/ SEED
Wireworms	0 25 - 0 50 (14 200 mg imidacloprid / fluid ounce product)
Sunflower*	The state of the s
Target Pests	MG AI/ SEED
Wireworms	
Seed corn maggots	0 25 - 0 50 (14 200 g imidacloprid / fluid ounce product)
Flea beetles	(3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	ation At Agricultural Establishments
	s product thoroughly before use. This product may be diluted with an
	isease protection. Treat one-half of seed with one half of slurry mix
Add the balance of the seed and apply balance of s	slurry Allow mixing until seed is thoroughly covered
Canola, rapeseed, mustard seed	
Target Pests	Fluid Ounces Product / 50 lb bag
Aphids	
Flea beetles	5 1 – 12 8
Wireworms	
Flax*, sunflower*, crambe*, and borage*	
Target Pests	Fluid Ounces Product / 100 lb seed
Wireworms	
Seed corn maggots	12 8
Flea beetles	
Safflower*	
Target Pests	Fluid Ounces Product / 100 lb seed
Wireworms	12 8
USE RESTRICTIONS	
	ct's treated seed must not be used for human and feed consumption
	ts treated seed is only for industrial uses and cannot be used for
edible oil or any other human/feed consumption	
*Seed treated in California must be destined for j	planting in states other than California and is not to be planted in

*Seed treated in California must be destined for planting in states other than California and is not to be planted in California

SEED AND POD VEGETABLES (including)

Adzuki Bean Asparagus Bean Broad Bean (Succulent or Dry) Catjang Bean Chinese Longbean Field Bean Guar Bean Jackbean Kidney Bean Labtab Bean Lima Bean (Succulent or Dry) Moth Bean (Succulent or Dry) Mung Bean Navy Bean Pinto Bean Rice Bean Runner Bean Snap Bean Sword Bean Tepary Bean Urd Bean Wax Bean Yardlong Bean Blackeyed Pea (Succulent or Dry) Chickpea Cowpea (Succulent or Dry) Crowder Pea Dwarf Pea Edible-Pod Pea English Pea Field Pea Garden Pea Green Pea Pigeon Pea (Succulent or Dry) Snow Pea Southern Pea (Succulent or Dry) Sugar Snap Pea Grain Lupin Sweet Lupin White Lupin White Sweet Lupin Lentil To provide early season protection of seedlings against injury by listed pests apply as a seed treatment at the specified rates

For Use In Commercial Seed Treatment Facilities				
Target Pests Fluid Ounces Product / 100 lb seed				
Wireworm	16 32			
Bean leaf beetle	10 32			

Fire ant Aphids

USE RESTRICTIONS

Seed-and-pod vegetable seed treated in California must be destined for planting in states other than California and is not to be planted in California

S	U	K	G	Н	U	M	
_							

To provide early season protection of seedlings against injury by listed pests apply as a seed treatment at the specified rates

For Use In Commercial Seed Treatment Facilities

Target Pests

Aphids (including Corn leaf English grain
Greenbug and Yellow sugar cane)
Chinch bugs

Fluid Ounces Product / 100 lb seed

6 4

Fire ants

Wireworms

For End Use Application At Agricultural Establishments

Apply using an HCBT or an 8-Bag Batch Treater. Shake this product thoroughly before use. Dilute this product with water. Adjust the final slurry rate to apply a rate of 8 to 10 fluid ounces of diluted slurry per 50 pound bag of seed. Treat one-half of seed with one half of slurry mix. Add the balance of the seed and apply balance of slurry. Allow mixing until seed is thoroughly covered. Apply 0.75 ounce of dry TALC per 50-pound bag of seed following the product application and allow it to distribute evenly on the seed.

Target Pests	Fluid Ounces Product / 50 lb seed			
Aphids (including Corn leaf English grain				
Greenbug and Yellow sugar cane)				
Chinch bugs	3 2			
Fire ants				
Wireworms				

USE RESTRICTIONS

DO NOT graze or feed livestock on treated areas for 45 days after planting

SOYBEAN

To provide early season protection against injury by listed pests and to suppress the spread of certain viruses caused by insect vectors apply as a seed treatment at the specified rates

For Use In Commercial Seed Treatment Facilities

Use higher rates within the specified range to provide increased length of protection and for heavy insect pressure. This product can be used as an over treatment

Target Pests	PRODUCT FLUID OUNCES /			MG AI/
Seed corn maggot	100 lb seed*	1000 seeds	140,000 seed count	SEED
Soybean aphids Bean leaf beetles (overwintering	16-32	0 0053 – 0 0107	0 75 – 1 50	0 095 – 0 190

This product contains 17 700 mg imidacloprid / fluid ounce

*based on a standard number of 3000 seeds / lb

NOTE To maintain mg ai / seed adjust fluid ounces / 100 lb of seed in proportion to the actual seed count / lb compared to the base number of seeds / lb for that crop fluid ounces per number of seeds (i.e. 1000 80 000 140 000) does not need to be adjusted. For example if there are 2800 soybean seeds / lb and the targeted rate is 0 095 mg ai / seed at a non adjusted rate per 1 6 fl. oz / 100 lb of seed. (2800 \sim 3000) x 1 6 = 1 4 fl. oz / 100 lb of seed.

USE RESTRICTIONS

DO NOT graze or feed livestock on soybean forage or hay

SUGAR BEETS

To provide early season protection of seedlings against injury by listed pests apply as a seed treatment at the specified rates

For Use In Commercial Seed Treatment Facilities

Target Pests _____ Use Rate

Whitefly	2 4 to 5 0 ounces of this product in or on a unit of pelleted
Aphids / Leafhoppers (including vectors that may spread	sugar beet seed with a weight ratio of 2.1 pelleting mixture to
Curly top and Yellow mosaic virus)	raw seed (seed count 100 000 seed - approximately 1
Root aphids	kilogram by weight) Apply in a film coat directly to raw seed
Thrips	(100 000 seed or approximately 1 kilogram by weight) at a
Wireworms	rate of 2.4 fluid ounces per unit of seed. If rates exceed 2.4
	fluid ounces per unit seed must be pelleted

Wheat,	Barley,	Oats, Ry	/e,	Iriticale

To provide early season protection of seedlings against injury by listed pests apply as a seed treatment at the specified rates

For Use In Commercial Seed Treatment Facilities				
Target Pests	Fluid Ounces Product / 100 lb seed			
Aphids (including Bird cherry-oat English grain				
Greenburg and Russian wheat aphid)	08-24			
Hessian fly				
For Suppression of	0 13 – 0 26			
Wireworm	0 13 - 0 26			
Grasshopper	12-24			

Use the higher rate within the specified range to provide increased length of protection and to reduce potential spread of Barley yellow dwarf virus due to aphid vectors

To reduce early season damage caused by grasshopper this product s treated seed may be planted as a 50 to 60 foot border around the edges of the field Consult your local university extension entomologist for details regarding grasshopper control in your area. For maximum effectiveness seed should be treated uniformly

For End Use Application At Agricultural Establishments

Apply using a Total Slurry Treater (TST) Farmer Applied Seed Treater (FAST) Farmer Air Pressure System (FAP) or other on farm liquid or slurry seed treating equipment to deliver accurate rates of this product to achieve optimum product performance. Combine this product with an approved Nufarm fungicide product for seed and seedling protection against fungal pathogens. Dilution with water may be necessary depending on fungicide formulation used. This product may also be applied on farm as an over-treatment to seed pretreated with a fungicide. In this case, dilution is necessary

Target Pests	Fluid Ounces Product / 100 lb seed		
Aphids (including Bird cherry-oat English grain Greenburg and Russian wheat aphid) Hessian fly	08-24		
For Suppression of Wireworm	0 13 - 0 26		
Grasshopper	12-24		

USE RESTRICTIONS

DO NOT graze or feed livestock on treated areas for 45 days after planting

ADDITIONAL USES

Stored Seed Protection When applied according to use directions and at labeled rates equal to or above 1 0 fluid ounce per 100 lb of seed this product will provide protection to seed against injury from the following insects. Indian Meal Moth (*Plodia interpunctella*) Rice Weevil (*Sitophilus oryzea*) Red Flour Beetle (*Tribiolium castaneum*) and Lesser Grain Borer (*Rhizopertha dominica*). It is recommended that seed with existing populations of stored grain pests be fumigated prior to treating and bagging seed.

STORAGE AND DISPOSAL

DO NOT contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Store in a cool place **DO NOT** store in direct sunlight. Protect from freezing temperatures **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 [HANDLING]

[Nonrefillable Containers 5 Gallons or Less]

Nonrefillable container DO NOT reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows. Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration or if allowed by State and local authorities by burning. If burned stay out of smoke

[Nonrefillable containers larger than 5 gallons]

Nonrefiliable container DO NOT reuse or refill this container Offer for recycling if available. If recycling or reconditioning not available puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration or if allowed by State and local authorities by burning. If burned stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip

[Refillable containers larger than 5 gallons]

Refiliable container Refili this container with pesticide only Do not reuse this container for any other purpose Cleaning the container before final disposal is the responsibility of the person disposing of the container Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. For final disposal offer for recycling if available. If recycling or reconditioning not available puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE UNINTENDED CONSEQUENCES INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS OR THE MANNER OF USE OR APPLICATION INCLUDING WEATHER ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER MANUFACTURER AND SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD INCLUDING USE APPLICATION HANDLING AND DISPOSAL TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER IF ANY OR FOR ANY DAMAGES OR SUMS OF MONEY CLAIMS OR DEMANDS WHATSOEVER RESULTING FROM OR BY REASON OF OR RISING OUT OF THE MISUSE OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER USER OR ITS CUSTOMERS TO THE EXTENT CONSISTENT WITH APPLICABLE LAW BUYERS OR USER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded (RV071612)

Senator is a registered trademark of Nufarm Australia Limited All other trademarks are the property of their respective owners

[Not included in Final Printed Labeling]

LABEL HISTORY

RV040510N RV042210	PRN2007-4 update
R\/042210	
110072210	EPA Approval
RV042211	PRN2007-4 update additional statements
RV052411	EPA Approval
RV071612	Reformatted label (tables) revision to corn & soybean use instructions to include additional rate conversions
<u> </u>	
	RV052411