

42750-134

11/21/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D C 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Morris Gaskins  
Albaugh, Inc  
P O Box 2127  
304 Janet Street, Suite H  
Valdosta, GA 31604

NOV 21 2012

Dear Mr Gaskins

Subject Labeling amendment to add seed crops for oils, oats, rye, millet, soybeans, to add potato seed piece use and revise plant back table  
Imidacloprid 4L ST  
EPA Registration No 42750-134  
Chemical Imidacloprid  
Your emailed re-submission dated 10/23/12

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is **acceptable**

Submit one copy of your final printed labeling before you release the product for shipment A stamped copy of the labeling is enclosed for your records If you have any questions regarding this label, please contact Autumn Metzger at (703) 305-5314 or metzger autumn@epa gov

Sincerely yours,

A handwritten signature in black ink that reads "Venus Eagle".

Venus Eagle  
Product Manager (01)  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

**IMIDACLOPRID 4L ST**  
(also alt brand name MACHO 480 ST)

Insecticide For Treatment Of Labeled Crop Seed

|   |        |
|---|--------|
| ACTIVE INGREDIENTS  |        |
| Imidacloprid 1 [(6 Chloro 3 pyridinyl)methyl]-N nitro 2 imidazolidinimine | 40.7%  |
| OTHER INGREDIENTS   | 59.3%  |
| TOTAL   | 100.0% |

Contains 4 lbs active per gallon (480 grams per liter)

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

| FIRST AID  |   |
|--|---|
| <b>IF SWALLOWED</b>  | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>IF ON SKIN OR CLOTHING</b>  | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |
| <b>IF INHALED</b>  | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>   |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. |   |

IN CASE OF AN EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC (800) 424-9300

EPA Reg No 42750-134

EPA Est xxxxx-xx xx

NET CONTENTS \_\_\_\_\_ gallons

Manufactured For  
ALBAUGH, INC  
ANKENY, IA 50021

**ACCEPTED**  
**NOV 21 2012**  
**Under the Federal Insecticide, Fungicide,**  
**and Rodenticide Act, as amended, for the**  
**pesticide registered under**

EPA Reg No 42750-134

## Precautionary Statements

### Hazards To Humans And Domestic Animals

#### CAUTION

Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- 1 Long-sleeved shirt and long pants,
- 2 Socks and shoes and
- 3 Chemical resistant gloves (such as nitrile, butyl, neoprene, barrier laminate, polyvinyl chloride or Viton)

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

#### User Safety Recommendations

Users should:

- 1 Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 2 Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 3 Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change 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.

#### 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 treaters only, with the exception of application to canola, cotton (delinted seed), field corn, sorghum, wheat and barley, which may be made either by commercial seed treatment or as an end use seed treatment on agricultural establishments at, or immediately before, planting.

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. Take the most restrictive for all cautions and limitations on labeling of all products used in mixtures.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40CFR 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:

- 1 Coveralls
- 2 Chemical resistant gloves (such as nitrile, butyl, neoprene, barrier laminate, polyvinyl chloride or Viton) Shoes plus socks
- 3 Protective eyewear

### Use Restrictions

- **DO NOT** use as a planter (hopper) box treatment.
- **CALIFORNIA** Only for use in commercial seed treatment facilities, not allowed for "on farm" use.
- **ON FARM TREATMENT DO NOT** apply this product through any type of irrigation system.
- **DO NOT** use for feed, food, or oil purpose.
- 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.
- Store away from feeds and foodstuffs.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds that are spilled during handling.
- Dispose of all excess treated seed. Leftover seed may be double sown around the headland or buried away from water sources in accordance with local requirements.
- **DO NOT** contaminate water bodies when disposing of planting equipment wash water.
- In the event of a crop failure or harvest of a crop grown from IMIDACLOPRID 4L ST treated seed, the field may be replanted immediately to artichoke, barley, Brassica (cole) leafy vegetables, canola, cilantro, corn (field or sweet), cotton, cranberry, cucurbits, eggplant, groundcherry, leafy petiole vegetables, leafy vegetables, legume vegetables (succulent or dried), mustard seed, oats, okra, pepinos, pepper, popcorn, potato, rapeseed, sorghum, soybean, strawberry, sugarbeets, tomatillo, tomato, triticale, turnip greens, root and tuber vegetables, watercress, and wheat. For cereals including buckwheat, millet, rice and rye and for safflower, the minimum plant-back interval is 30

days from the date IMIDACLOPRID 4L ST 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.

- **DO NOT** allow children, pets, or livestock to have access to treated seed
- The maximum application rate (all imidacloprid uses: seed treatment, foliar application, soil application) per acre per year for imidacloprid is 0.5 lbs. **DO NOT** use more than 0.5 lb (226.8 mg) per acre per year.
- **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with IMIDACLOPRID 4L ST
- NOTIFICATION of the crop rotational restriction must be conveyed to the grower by appropriate seed tag labeling or bag printing on all seed units
- 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 40CFR, 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 labeled rates.
- Treated seed must not be used for or mixed with food or animal feed or processed for oil. Seed commercially treated with IMIDACLOPRID 4L ST must be labeled in accordance with all applicable requirements of the Federal Seed Act.
- Labels for commercially treated seed should include the following addition to the Environmental Hazards statements:
  - Exposed treated seed may be hazardous to birds. Dispose of all excess treated seed and seed packaging by burial away from bodies of water. Cover or incorporate spilled treated seeds.**
- Rape greens grown and harvested from IMIDACLOPRID 4L ST treated seed must not be used for human and feed consumption. Rapeseed grown and harvested from treated seed is only for industrial uses and can not be used for edible oil or any other human/feed consumption.

### Stored Seed Protection

To protect stored seed of crops listed on this label apply a minimum 1.0 fluid ounces of IMIDACLOPRID 4L ST per 100 pounds of seed. Pests controlled by this application include Indian Meal Moth (*Plodia interpunctella*), Rice Weevil (*Sitophilus oryzae*), Red Flour Beetle (*Tribolium castaneum*), and Lesser Grain Borer (*Rhizopertha dominica*). If seed being treated is known to have existing pest infestation fumigation may be necessary prior to bagging.

## Early Season Protection Against Sucking Insects

### Oil Seed Crop Group

| CROP                                    | PEST   | RATE<br>(fluid ounces per<br>hundredweight seed) | COMMENT   |
|---|--|--|---|
| Canola,<br>Rapeseed and<br>Mustard Seed | Aphids,<br>Flea beetles,<br>Wireworms  | 12.8 – 32.0                                      | Use higher listed rate when pest populations are above historical levels  |
|   | Lygus Bugs<br>(including Lygus spp.),<br>Seedpod Weevil larvae (including Ceutorhynchus assimilis) | 19.2 – 32.0                                      | Suppression only Use higher listed rate when pest populations are above historical levels   |
| Flax, crambe,<br>and borage             | Wireworms,<br>Seed Corn maggots,<br>Flea beetles   | 32.0   | To provide early season protection, apply as a commercial seed treatment  |
| Safflower                               | Wireworms  | See Comment                                      | To provide early season protection, apply as a commercial seed treatment at 0.25 – 0.50 mg per seed (One fl oz of Imidacloprid 4L ST contains 14.2 grams of imidacloprid) |
| Sunflower                               | Wireworms,<br>Seed Corn maggots,<br>Flea beetles   | See Comment                                      | To provide early season protection, apply as a commercial seed treatment at 0.25 – 0.50 mg per seed (One fl oz of Imidacloprid 4L ST contains 14.2 grams of imidacloprid) |

### Oil Seed Crop Group For End Use Application at Agricultural Establishments

Canola, Rapeseed and Mustard Seed (For end use application at agricultural establishments)

Shake product well before making slurry and apply using a HCBT or Batch Treater. May be diluted with an approved fungicide for disease control. Treat 1/2 of seed with 1/2 of slurry then add remainder of seed and slurry and continue mixing until all seed are covered.

Flax, sunflower, crambe and borage

To provide early season protection of seedlings against wireworms, seed corn maggots and flea beetles, apply using an HCBT or a Batch Treater at 16.0 fl oz per hundredweight of seed.

#### USE RESTRICTION

- Rape greens grown and harvested from IMIDACLOPRID 4L ST treated seed must not be used for human and feed consumption. Rapeseed grown and harvested from treated seed is only for industrial uses and cannot be used for edible oil or any other human/feed consumption.
- Do not graze or feed livestock on treated areas for 45 days after planting.

**Field Corn Seed**

| CROP       | PEST  | RATE<br>(fluid ounces per<br>80,000 units of<br>seed)           | COMMENT   |
|------------|---|---|---|
| Field corn | Corn root worm<br>(including Northern,<br>Western, Southern<br>and Mexican), (1)<br>Flea beetle,<br>Chinch bug,<br>Southern green stinkbug,<br>White grub,<br>Seed corn maggot,<br>Thrips,<br>Wireworm,<br>Corn leaf aphid,<br>Imported fire ant,<br>Southern corn leaf beetle,<br>Billbug, (2)<br>Grape colaspis, (2)<br>Black cutworm (3) | 7.5<br><br>(equivalent to 1.34<br>milligrams ai per<br>kernel)  | (1) In areas of heavy to severe corn<br>rootworm populations, protection will<br>not be adequate. Use only in areas of<br>light to moderate corn rootworm<br>populations. Consult your State<br>Agricultural Extension Service on<br>levels of corn rootworm populations<br><br>(2) Reduces early season feeding<br>damage<br><br>(3) Will reduce feeding damage<br>caused by leaf feeding black<br>cutworms that are 1/2 inch or less in<br>length |
|            | Flea beetle,<br>Chinch bug,<br>Seed corn maggot,<br>Thrips,<br>Wireworm,<br>Corn leaf aphid<br>Imported fire ant,<br>Grape colaspis, (2)<br>White grub,   | 3.35<br><br>(Equivalent to 0.60<br>milligrams ai per<br>kernel) | (4) Reduces feeding damage during<br>emergence and seedling stages  |
|            | Seed corn maggot (seed<br>protection only)<br>Wireworm (seed<br>protection only),<br>Flea beetle (through 1 leaf<br>stage),<br>Imported fire ant,<br>White grub (4)   | 0.90<br><br>(Equivalent to 0.16<br>milligrams ai per<br>kernel) |   |

**Field Corn** (For end use application at agricultural establishments)  
Not registered for use in California

Shake product well before making slurry and apply using a HCBT or Eight-Bag Batch Treater. May be diluted with an approved fungicide for disease control. Mix slurry so that rate is 8 – 10 fluid ounces per 50 pound bag of seed. Treat 1/2 of seed with 1/2 of slurry then add remainder of seed and slurry and continue mixing until all seed are covered. After slurry treatment, the addition of dry talc at the rate of 3/4 1 ounce per 50 pounds of seed is recommended to minimize risk moisture buildup in planter.

**RESTRICTION**  
Do not graze or feed livestock on treated areas for 45 days after planting

**Sweet Corn Seed**

| CROP   | PEST  | RATE<br>(fluid ounces per<br>hundredweight seed) | COMMENTS  |
|--|---|--|---|
| Sweet Corn<br>(commercial<br>seed treatment) | Flea beetle,<br>Early season corn<br>leaf aphid,<br>Seed corn maggot,<br>Wireworm             | 8 0  | Mix slurry so that it is applied at a rate of 16<br>- 20 fl oz of diluted solution per<br>hundredweight of seed |
|  | Imported fire ant,<br>Early season corn<br>leaf aphid,<br>Seed corn maggot,<br>Wireworm       | 4 0 - 8 0  |   |
|  | Imported fire ant,<br>Seed corn maggot,<br>(seed protection)<br>Wireworm<br>(seed protection) | 2 0 - 4 0  |   |
|  | Wireworm<br>(seed protection)   | 1 0 - 2 0  |   |
| Popcorn<br>(commercial<br>seed treatment)    | Flea beetles  | 8 0  |   |

**RESTRICTION**

Do not graze or feed livestock on treated areas for 45 days after planting



**Cereal Grain Seeds**

| CROP  | PEST   | RATE<br>(fluid ounces per hundredweight seed) | COMMENT   |
|---|--|---|---|
| Wheat,<br>Barley,<br>Oats,<br>Rye,<br>Triticale | Aphids<br>(including Bird<br>cherry oat,<br>English grain,<br>Greenbug, and<br>Russian wheat<br>aphid),<br>Hessian fly | 1 0 – 3 0                                     | Reduces possible yellow dwarf virus disease from aphid vectoring<br><br>Use the higher listed rate to increase time of protection and/or when insect pressure is heavy  |
|   | Wireworm   | 0 16 – 0 32                                   | Suppression only<br><br>Use the higher listed rate to increase time of protection and/or when insect pressure is heavy  |
|   | Grasshopper  | 1 5 – 3 0                                     | Treated seed may be planted as a 50 to 60 foot border around the perimeter of the field to help minimize early season damage from grasshoppers<br><br>Consult your local agricultural extension agent for grasshopper control information specific to your area<br><br>Use the higher listed rate to increase time of protection and/or when insect pressure is heavy |

**RESTRICTION**

Do not graze or feed livestock on treated areas for 45 days after planting

**Wheat, Barley, Triticale**

(For End-Use Application at Agricultural Establishments)

Make application using a Total Slurry Treater (TST), Farmer Applied Seed Treater (F A S T ), or other on farm seed treating equipment capable of accurately applying low rates of IMIDACLOPRID 4L ST Apply 1 0 – 3 0 fl oz per hundredweight of seed IMIDACLOPRID 4L ST may be mixed with a fungicide product for protection against disease IMIDACLOPRID 4L ST may be applied to seed previously treated with a fungicide In this case, dilution is necessary

**RESTRICTION**

Do not graze or feed livestock on treated areas for 45 days after planting

**Sorghum And Millet Seed**

| CROP               | PEST  | RATE<br>(fluid ounces per<br>hundredweight seed) | COMMENT   |
|--------------------|---|--|---|
| Sorghum,<br>Millet | Aphids (including<br>Corn leaf, English<br>grain, Greenbug,<br>and Yellow sugar<br>cane aphid),<br>Chinch bugs,<br>Imported Fire ants,<br>Wireworms | 8 0  | Thorough coverage is necessary for<br>optimal control |

**RESTRICTION**

Do not graze or feed livestock on treated areas for 45 days after planting

**Sorghum**

(For End Use Application at Agricultural Establishments)

Shake product well before making slurry and apply using a HCBT or Eight-Bag Batch Treater. May be diluted with an approved fungicide for disease control. Mix slurry so that rate is 8 – 10 fluid ounces of slurry per 50 pound bag of seed. Treat ½ of seed with ½ of slurry then add remainder of seed and slurry and continue mixing until all seed are covered. After slurry treatment, the addition of dry talc at the rate of ¾ 1 ounce per 50 pounds of seed is recommended to minimize risk moisture buildup in planter.

**RESTRICTION**

Do not graze or feed livestock on treated areas for 45 days after planting

**Cotton Seed Treatment**

| CROP                              | PEST              | RATE<br>(fluid ounces per<br>hundredweight seed)                         | COMMENT  |
|-----------------------------------|-------------------|--|--|
| Cotton<br>(Delinted Seed<br>Only) | Thrips,<br>Aphids | 16 0<br>(Equivalent to 0.375<br>milligram active<br>ingredient per seed) | Regardless of the type of application (seed<br>treatment, soil or foliar) do not apply more<br>than a total of 0.5 lb of imidacloprid per<br>acre per cropping cycle |

**Cotton (Delinted Seed Only)**

(For End Use Application at Agricultural Establishments)

Shake product well before making slurry and apply using a HCBT or Eight Bag Batch Treater. May be diluted with an approved fungicide for disease control. Mix slurry so that rate is 8 – 10 fluid ounces of slurry per 50 pound bag of seed. Treat ½ of seed with ½ of slurry then add remainder of seed and slurry and continue mixing until all seed are covered.

**RESTRICTION**

Do not graze or feed livestock on treated areas for 45 days after planting

**Sugar Beet Seed Treatment**

| CROP                                       | PEST   | RATE<br>(fluid ounces per seed unit) (1) | COMMENT   |
|--|--|--|---|
| Sugar Beets<br>(commercial seed treatment) | Whitefly, Aphids, (2)<br>Leafhoppers, (2)<br>Root aphid,<br>Thrips,<br>Wireworms | 3.0 – 6.25                               | (1) On a unit of pelleted sugar beet seed with a weight ratio of 2:1 pelleting mixture to raw seed (seed count 100,000 seed approximately 1 kilogram by weight)<br><br>(1) Including to reduce risk of spread of Curly top and Yellow mosaic virus)<br><br>If applying to non pelleted raw seed, do not exceed a rate of 3.0 fluid ounces per 100,000 seed (approximately 1 Kg by weight) |

**RESTRICTION**

Do not graze or feed livestock on treated areas for 45 days after planting

**Soybean Seed Treatment**

| CROP    | PEST   | RATE<br>(fluid ounces per Hundredweight of seed) | COMMENT   |
|---------|--|--|---|
| Soybean | Seed corn maggot,<br>Soybean aphid<br>Bean leaf beetle | 2.0 to 4.0                                       | For protection of planted seeds Use the higher listed rates to provide increased length of protection and for heavy insect pressure<br><br>Will suppress the spread of certain plant viruses<br><br>IMIDACLOPRID 4L ST can be used as an over-treatment |

**RESTRICTIONS**

Do not graze or feed livestock on soybean forage or hay

**Vegetable Seed Treatment**

| CROP  | PEST  | RATE<br>(fluid ounces per<br>hundredweight<br>seed) | COMMENTS   |
|---|---|---|--|
| Adzuki Bean, Asparagus Bean,<br>Broad Bean (Succulent Or Dry),<br>Catjang Bean, Chinese Longbean,<br>Field Bean, Guar Bean, Jackbean,<br>Kidney Bean, Lablab Bean,<br>Lima Bean (Succulent Or Dry),<br>Moth Bean (Succulent Or Dry),<br>Mung Bean, Navy Bean,<br>Pinto Bean, Rice Bean,<br>Runner Bean, Snap Bean,<br>Sword Bean, Tepary Bean,<br>Urd Bean, Wax Bean,<br>Yardlong Bean, Blackeyed Pea<br>(Succulent Or Dry), Chickpea,<br>Cowpea (Succulent Or Dry),<br>Crowder Pea, Dwarf Pea,<br>Edible Pod Pea, English Pea,<br>Field Pea, Garden Pea,<br>Green Pea, Pigeon Pea<br>(Succulent Or Dry), Snow Pea,<br>Southern Pea (Succulent Or Dry),<br>Sugar Snap Pea, Grain Lupin,<br>Sweet Lupin, White Lupin,<br>White Sweet Lupin, Lentil * | Wireworm,<br>Bean leaf beetle,<br>Imported fire ant,<br>Aphid | 2 0 – 4 0   | * Seed and-pod vegetable seed<br>treated In California must be<br>destined for planting in states<br>other than California and Is not<br>to be planted in California |
| Carrot  | Seed corn maggot,<br>Wireworm                                 | 8 0   |  |

**RESTRICTION**

Do not graze or feed livestock on treated areas for 45 days after planting

### 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.

| ROTATIONAL PLANT BACK INTERVALS* |                        |           |                          |                                   |
|----------------------------------|------------------------|-----------|--------------------------|-----------------------------------|
| IMMEDIATE PLANT BACK             |                        |           |                          | 30 DAY PLANT BACK                 |
| Artichoke                        | Cranberry              | Mustard   | Soybean                  | Cereals, including buckwheat rice |
| Barley                           | Cucurbits              | Seed      | Strawberry               |                                   |
| Brassica (cole) leafy            | Eggplant               | Oats      | Sugarbeet                |                                   |
| Vegetable                        | Flax                   | Okra      | Sunflower                |                                   |
| Borage                           | Ground cherry          | Pepinos   | Tomatillo                |                                   |
| Canola                           | Leaf petiole vegetable | Pepper    | Tomato                   |                                   |
| Cilantro                         | Leafy vegetable        | Popcorn   | Triticale                |                                   |
| Corn, Field                      | Legume vegetable       | Potato    | Vegetable Root and Tuber |                                   |
| Corn, Sweet                      | (succulent             | Rapeseed  | Watercress               |                                   |
| Cotton                           | or dried, including    | Rye       | Wheat                    |                                   |
| Crambe                           | soybean)               | Safflower |                          |                                   |
|                                  | Millet                 | Sorghum   |                          |                                   |

\* 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 plantback interval must be observed

### Potato Seed Piece Treatment

#### APPLICATION INSTRUCTIONS

| Pests Controlled   | Rate Fluid ounces per 100 lbs of Seed | Rate Fluid ounces per acre* |
|--|---------------------------------------|-----------------------------|
| Aphids, Colorado potato beetle, Flea beetles, Leafhoppers, Potato psyllid, Wireworms (seed piece protection) | 0.2 - 0.4                             | 4.0 - 8.0                   |
| Pest/Diseases Suppressed   | Rate Fluid ounces per 1000 row feet   | Rate Fluid ounces per acre  |
| Symptoms of Potato leaf roll virus (PLRV), Potato yellows, Net necrosis                                      | 0.4                                   | 8.0                         |

#### RESTRICTIONS

- Do not apply more than 10.0 fluid ounces per acre (0.31 lb active ingredient per acre) IMIDACLOPRID 5FL ST per crop season when making seed piece treatment applications
- Do not use treated seed pieces for food, feed, fodder or processing for oil
- Do not apply any subsequent in furrow application of any imidacloprid product following a seed piece treatment
- Do not graze or feed livestock on treated areas for 45 days after planting

#### Application

Apply specified dosage as a diluted spray onto seed pieces using a shielded spray system. Dilute with 3 parts water, or less, to 1 part IMIDACLOPRID 4L ST. Agitate or stir spray solution as needed. Fungicidal or inert absorbent dusts may be applied after IMIDACLOPRID 4L ST application. Apply only in areas with adequate ventilation or in areas that are equipped to remove spray mist or dust. Plant seed pieces as soon as possible after treating, avoiding prolonged exposure of IMIDACLOPRID 4L ST treated seed pieces to sunlight and in accordance with the specifications of your local Extension service.

\* Based on a seeding rate of 2000 lbs per acre

## 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 SHALL BE LABELED WITH THE FOLLOWING STATEMENTS

- This seed has been treated with imidacloprid insecticide
- **DO NOT** use for feed, food, or oil purpose

THE U S ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON BAGS CONTAINING SEEDS TREATED WITH IMIDACLOPRID 4L ST

- **Pollinator Precautions** Imidacloprid is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Ensure that planting equipment is functioning properly in accordance with manufacturer specification to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds
- Do not graze or feed livestock on treated areas for 45 days after planting Oil Seed Crops (canola, rapeseed, mustard seed, flax, crambe, borage, safflower), Corn (field, sweet and popcorn), Cereal Grains (wheat, barley, oats, rye, triticale), Sorghum and Millet, Cotton, Sugar Beet, Vegetable Seed (beans, peas, carrots) and Potatoes. For soybeans, do not graze or feed livestock forage or hay
- Store away from feeds and foodstuffs
- Wear long sleeved shirt, long pants and chemical resistant gloves when handling treated seed
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds that are spilled during handling
- Treated seed must be planted into the soil at a depth greater than 1 inch
- Dispose of all excess treated seed. Leftover seed may be doublesown around the headland or buried away from water sources in accordance with local requirements
- **DO NOT** contaminate water bodies when disposing of planting equipment wash water
- Dispose of seed packaging in accordance with local requirements
- In the event of a crop failure or harvest of a crop grown from IMIDACLOPRID 4L ST treated seed, the field may be replanted immediately to artichoke, barley, Brassica (cole) leafy vegetables, canola, cilantro, corn (field or sweet), cotton, cranberry, cucurbits, eggplant, groundcherry, leafy petiole vegetables, leafy vegetables, legume vegetables (succulent or dried), mustard seed, oats, okra, pepinos, pepper, popcorn, potato, rapeseed, sorghum, soybean, strawberry, sugarbeets, tomatillo, tomato, triticale, turnip greens, root and tuber vegetables, watercress, and wheat. For cereals including buckwheat, millet, rice and rye and for safflower, the minimum plant back interval is 30 days from the date IMIDACLOPRID 4L ST 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
- **DO NOT** allow children, pets, or livestock to have access to treated seed
- The maximum application rate (all imidacloprid uses: seed treatment, foliar application, soil application) per acre per year for imidacloprid is 0.5 lbs. **DO NOT** use more than 0.5 lb (226.8 mg) per acre per year
- This seed has been treated with   X   mg imidacloprid
- **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with

**IMIDACLOPRID 4L ST**

- 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
- Rape greens grown and harvested from IMIDACLOPRID 4L ST treated seed must not be used for human and feed consumption Rapeseed grown and harvested from treated seed is only for industrial uses and can not be used for edible oil or any other human/feed consumption

### **STORAGE AND DISPOSAL**

**PROHIBITIONS** Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment Do not reuse empty container Open dumping is prohibited

**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**

Non-refillable containers (1, 2.5, 30 & 55 gallon) Do not reuse or refill this container Offer for recycling, if available Triple rinse or pressure rinse container (or equivalent) promptly after emptying

(non refillable <5 gallons) 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 ¼ 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

(non refillable >5 gallons) Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container ¼ 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 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 (all sizes) 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 for 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 container (250 gallon & bulk) Refill 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 the container into application equipment or mix tank Fill the container about 10 percent full with water Agitate vigorously or recirculate water with the pump for 2 minutes Pour or pump rinsate into application equipment or rinsate collection system Repeat this rinsing process two more times

CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Albaugh, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Albaugh warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, ALBAUGH SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, ALBAUGH NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Albaugh. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.