

66330-218

02/27/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Bill Washburn
Regulatory Manager
Arysta LifeScience North America LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

FEB 27 2009

Subject: Label Notification(s) for Pesticide Registration Notices 2007-4 and 98-10

1. Update of company name
2. Added emergency telephone number(s)
3. Updated warranty statement

Dear Mr. Washburn:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 and 98-10 dated January 26, 2009 for:

EPA Registration 66330-218
EPA Registration 66330-251
EPA Registration 66330-277
EPA Registration 66330-284

Linuron 4L
Ethephon 65% MUP
Dicamba DMA 2# AG
Ethephon 3.9% H&G

The Registration Division (RD) has conducted a review of this request for applicability under PR Notices 2007-4 and 98-10 and finds that the label changes requested falls within the scope of PR Notices 2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98

	EPA United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other:	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 66330-218	2. EPA Product Manager LINDA ARRINGTON	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) LINURON 4L	PM#	
5. Name and Address of Applicant (Include ZIP Code) Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: <div style="text-align: center;">NOTIFICATION</div> EPA Reg. No. _____ <div style="text-align: center;">FEB 27 2009</div> Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Notification of label change per PR Notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
*Certification must be submitted			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container <div style="text-align: center;">1.0 gal., 2.5 gal, 5.0 gal</div>		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section - IV


1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name Bill Washburn	Title Regulatory Manager	Telephone No. (Include Area Code) 901-432-5118
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Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received
(Stamped)

2. Signature 	3. Title Regulatory Manager	
4. Typed Name Bill Washburn	5. Date 01/26/09	



OK 3/17

January 26, 2009

Ms. Linda Arrington
Document Processing Desk (NOTIF)
Office of Pesticide Programs – 7504P
U.S. Environmental Protection Agency
One Potomac Yard, Room S-4900
2777 South Crystal Drive
Arlington, VA 22202

**Subject: LINURON 4L
EPA Reg. No. 66330-218**

***Notification of Label Change per PR Notice 2007-4
and PR Notice 98-10***

Dear Ms. Arrington:

Please find the following enclosed:

- Application for Pesticide Registration (Other) dated 01/26/09.
- One highlighted copy of subject label, showing all changes.
- One clean copy of the subject label.

Notification of label change per PR Notice 2007-4. This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Also in this submission, we are using PR Notice 98-10 to update the name of the company, emergency telephone numbers and warranty. Arysta LifeScience North America Corporation was changed to Arysta LifeScience North America, LLC.

Please acknowledge acceptance of this notification by stamping the extra copy of this letter and returning in the enclosed self-addressed stamped envelope. Should you have any questions or comments, please do not hesitate to contact me at 901-432-5118 or by e-mail at bill.washburn@arystalifescience.com

Sincerely,

Bill Washburn
Regulatory Manager

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LINURON 4L
WEED KILLER

ACTIVE INGREDIENT:	
Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea)	40.6%
INERT INGREDIENTS	59.4%
TOTAL	100.0%

Contains 4 pounds linuron per gallon

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, after the first five minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. Get medical attention.

IF SWALLOWED: Call a physician or Poison Control Center immediately for treatment advice. Have the person drink 1 to 2 glasses of water if they can swallow. Induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If the person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN: Take off contaminated clothing. Wash skin immediately with plenty of soap and water for 15-20 minutes. Call a physician or Poison Control Center for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. This product may pose an aspiration pneumonia hazard.

EMERGENCY TELEPHONE NUMBERS: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR 24- HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

EPA Reg. No. 66330-218
51036-GA-001
AD092399

EPA Est. No.

NOTIFICATION

FEB 27 2009

NET CONTENTS: 2.5 GLS.

Manufactured For:
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid breathing spray. Avoid contact with skin, eyes, and clothing. In case of skin contact, remove with washing. For eyes, wash with copious amounts of water and get immediate medical attention.

PERSONAL PROTECTIVE EQUIPMENT

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

Applicators and other handlers (except mixers and loaders) must wear:

- 1. Long-sleeved shirt and long pants
- 2. Chemical resistant gloves such as barrier laminate, or butyl rubber > 14 mils or nitrile rubber > 14 mils or neoprene rubber > 14 mils
- 3. Shoes plus socks

Mixers and Loaders must wear:

- 1. Coveralls over long-sleeve shirt and long pants
- 2. Chemical-resistant footwear
- 3. Chemical-resistant gloves such as barrier laminate, or butyl rubber > 14 mils or nitrile rubber > 14 mils or neoprene rubber > 14 mils
- 4. Chemical-resistant apron

Remove and wash contaminated clothing using detergent and hot water before reuse. Keep and wash contaminated clothing separately from other laundry.

Engineering Control:

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.

<p>USER SAFETY RECOMMENDATIONS</p> <p>Users should:</p> <ul style="list-style-type: none"> 1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet

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- 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 into clean clothing

ENVIRONMENTAL HAZARDS

For terrestrial uses except rights-of-ways - This pesticide is toxic to fish and aquatic invertebrates. Do not apply to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

Surface Water Advisory - Linuron may contaminate surface water through spray drift or, under certain conditions, from surface runoff into adjacent surface water bodies (pond, lakes, streams, etc.). For several weeks post-application, linuron has a high potential to runoff when applied to fields with any of the following conditions: sloping land draining into nearby surface waters; very poorly to somewhat poorly drained soils; areas with extremely shallow ground water; frequently flooded areas; fields with surface water canals or ditches; and highly erodible land cultivated with poor management practices.

Ground-Watery Advisory - This chemical is known to leach through soil as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard

contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. 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 24 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:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical resistant gloves such as barrier laminate, or butyl rubber > 14 mils or nitrile rubber > 14 mils or neoprene rubber > mils.
3. Chemical resistant footwear

GENERAL PRECAUTIONS AND RESTRICTIONS

Rotational Crop Restrictions:

Do not rotate crops used for food or feed which are not registered for use with Linuron onto areas previously treated with this chemical.

Chemigation Prohibition:

Do not apply this product through any type of irrigation system.

Aerial Application Prohibition:

Do not apply with aerial equipment.

Soil Limitations:

Unless otherwise directed, do not use on sand, loamy sand, gravelly soils or exposed subsoils nor on soils containing less than 1% organic matter as crop injury may result.

Replanting:

If initial seeding fails to produce a stand, the same crop may be replanted in soil treated preemergence with Linuron 4L (or with recommended tank mixtures). Thoroughly rework soil before replanting; do not re-treat field with a second application as injury to the crop may result. Unless otherwise directed, do not replant treated areas to any other crop within 4 months after last application as injury to subsequent crops may result.

Important:

Injury to or loss of desirable trees or other plants may result from failure to observe the following: Do not apply (except as recommended for crop use), or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on home plantings of trees, shrubs or herbaceous plants, nor on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of dry powder or spray to desirable plants. Do not contaminate any body of water. Keep from contact with fertilizers, insecticides, fungicides, and seeds. Thoroughly clean all traces of Linuron 4L from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).

Use on sandy or loamy sand is prohibited.

Use on soils of < 1% organic matter is prohibited.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage, ~~or~~ disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Not for use or storage in or around the home. Do not store next to food or feed, or transport in or on vehicles containing foodstuffs or feeds. Store in a cool, dry place. Protect from heat.

PESTICIDE DISPOSAL: Pesticides are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. 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 $\frac{1}{4}$ 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. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

LINURON 4L is a flowable herbicide to be mixed in water and applied as a spray for selective control of weeds in certain

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crops. It is non-corrosive to equipment, non-flammable and non-volatile. LINURON 4L may be applied to soil prior to emergence of weeds to control susceptible weed seedlings for an extended period of time; the degree of control and duration of effect will vary with the amount of chemical applied, soil texture, rainfall and other conditions. Soils high in clay or organic matter require higher dosages than soil low in clay or organic matter to obtain equivalent herbicide performance. Moisture is required to activate the chemical; best results occur if rainfall (or irrigation) occurs within 2 weeks of application. LINURON 4L may also be used to control emerged weeds. Results vary with rate applied and environmental conditions; best results are obtained on succulent weeds growing under conditions of high humidity and temperatures of 70 degrees F., or higher. Addition of a surfactant to the spray (where recommended) increases contact effects of LINURON 4L. Since the effect of LINURON 4L varies with soils, uniformity of application, and environmental conditions, it is suggested that growers limit their first use to small areas. Observe all cautions and limitations on labeling of all products used in mixture.

DIRECTIONS

MICRO FLO LINURON 4L should be used only in accordance with recommendations on this label.

SELECTIVE USE IN CROPS

PRE-EMERGENCE USE (Germinating Weeds):

Linuron 4L at recommended rates, control barnyardgrass (watergrass), canarygrass, carpetweed, chickweed, crabgrass, fall panicum, Florida pusley, foxtail (including giant foxtail), galinsoga, goosegrass, lambsquarters, mustard, nettleleaf goosefoot, pigweed, purslane, ragweed, smartweed and wild radish. Treatment usually provides partial control of annual morningglory, cocklebur, prickly sida (teaweed), sicklepod and velvetleaf (buttonweed); it will not control established perennials such as Bermudagrass, Canada thistle, field bindweed, Johnsongrass and purple nutsedge. The lower dosage rates are effective on the lighter soils and the higher rates on heavier soils and on the more resistant seedling weeds. Sufficient moisture (1/2" to 1" on moist soils; 1" to 2" on dry soils) in the form of rainfall or sprinkler irrigation is necessary after treatment to carry the chemical into the root zone of germinating weeds; best results are obtained when this occurs within two weeks after applications. A good seed bed must be prepared before application of Linuron 4L as crop injury may result if application is made to ground which is cloddy or compacted resulting in improperly planted seed. Plant seed to depth specified. Surface of the soil should not be cultivated or disturbed after application and before emergence of the crop as weed control may

be reduced and crop injury may result. However, if moisture is insufficient to activate the herbicide, a shallow cultivation (rotary hoe preferred) should be made after emergence of row crops while weeds are small enough to be controlled by mechanical means.

POST-EMERGENCE USE (Emerged Seedling Weed):

LINURON 4L at recommended rates, controls Amsinckia, annual morningglory, annual ryegrass, barnyardgrass (watergrass), canarygrass, carpetweed, cocklebur, crabgrass, dog fennel, fall panicum, Florida pusley, foxtail (including giant foxtail), goosegrass, groundsel, knawel, lambsquarters, mustard, nettleleaf goosefoot, pigweed, prickly sida (teaweed), purslane, ragweed, rattail fescue, sesbania, sicklepod, smartweed, Texas panicum, velvetleaf (buttonweed), and wild buckwheat. Best results are obtained under conditions of high humidity and temperatures over 70 degrees F. Control of emerged weeds under drought stress is usually impractical.

EQUIPMENT - SPRAY VOLUMES AND PRESSURES:

Use tractor-mounted fixed-boom power sprayer properly calibrated to a constant speed and rate of delivery. Openings in screens should be equal to or larger than 50 mesh. Continuous agitation in the spray tank is required to keep the material in suspension. Agitate by mechanical or hydraulic means: if by-pass or return line is used, it should terminate a bottom of tank to minimize foaming. Avoid overlapping, and shut off spray booms while starting, turning, slowing or stopping, or injury to the crop may result. For pre-emergence application, use 25 to 40 gals. per acre and spray pressure of 30 to 40 psi. For post-emergence application, use sufficient volume (min. 25 gals. per acre) for thorough coverage of weed foliage; use spray pressure of 20 to 25 psi to keep spray drift to a minimum.

SPRAY PREPARATION:

Mix proper amount of Linuron 4L into necessary volume of water; for pre-emergence applications, non-pressure nitrogen solution may be substituted for all or part of the water. Where use of surfactant is recommended dilute with 10 parts of water and add as last ingredient to nearly full tank.

USE RATES:

All dosages of Linuron 4L (and tank mixtures) are expressed as broadcast rates; for band treatment, use proportionately less. For example, use 1/3 of the broadcast rate when treating a 14" band where row spacing is 42". Where range of dosages is given, use the lower rate on lighter soils (low in clay or organic matter) and the higher rate on heavier soils (high in clay or organic matter); for post-emergence application, use the lower rate of smaller weeds and the higher rate of larger weeds.

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CARROTS -

Pre-emergence Application - Michigan and Wisconsin:

Make a single application of 1 to 3 pts. per acre after planting but before carrots emerge; plant seed at least 1/2" deep. Use the lower rate of lighter soils (low in clay or organic matter) and the higher rate on heavier soils (high in clay or organic matter).

Subsequent postemergence application may be made provided the total does not exceed 4 pts. per acre per season. Do not apply within 14 days of harvest.

Post-Emergence Application - U.S.:

Apply 1 1/2 to 3 pts. per acre as a non-directed spray after carrots are at least 3" tall. Apply before annual grasses exceed 2" in height and before broadleaf weeds exceed 6" in height. Repeat application may be made but do not exceed 4 pts. per acre; do not exceed 40 psi spray nozzle pressure as crop injury may result. LINURON 4L may be applied following an application of Stoddard solvent provided treatments are at least one day apart. Stoddard solvent may be applied following an application of Linuron 4L provided treatments are at least 2 weeks apart. Shorter time intervals between applications may result in injury to the crop. Do not apply Linuron 4L as a tank mixture with Stoddard solvent, surfactants, nitrogen solution, other pesticides, nor when temperature exceeds 85 degrees F. as crop injury may result.

Note: Because carrot varieties vary in their resistance, determine tolerance of Linuron 4L prior to adoption as a field practice to prevent possible crop injury; do not treat susceptible varieties which show an initial burning of foliage following post-emergence treatment.

CELERY - (NOT FOR USE WEST OF THE ROCKY MOUNTAINS)

Post-transplant Application:

Make a single application of 1 1/2 to 3 pts. per acre. Apply as a non-directed spray after celery is transplanted and established, but before celery is 8" tall. Apply before annual grasses exceed 2" in height and before broadleaf weeds exceed 6" in height. In the Northeast, use only on celery grown on muck soils. Do not exceed 40 psi spray nozzle pressure, and do not apply when temperature exceeds 85 degrees F. nor at a tank mixture with surfactants, nitrogen solution, or other pesticides as injury to the crop may result. Do not replant to crops other than celery or carrots within 4 months after application as injury to subsequent crops may result.

CORN (FIELD): East of Rocky Mountains Only -

Pre-emergence Application: Select one of the following treatments for application as a tank mixture. Make a single application after planting but before crop emerges. Plant seed at least 1

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3/4" deep on flat or raised seedbeds only or injury to the crop may result. Do not spray over top of emerged corn.

LINURON 4L + "Lasso" (Dilute "Lasso" with 2 parts of water and add as last ingredient to spray tank.)

SOIL TEXTURE	PRODUCT PER ACRE	
	Low Organic Matter (1% to 3%) LINURON 4L (pts) + Lasso (Qts)	Moderate Organic Matter (3% to 6%) LINURON 4L (pts) + Lasso (Qts)
Sandy loam	2/3 to 1 1/4 + 3/4 to 1	1 1/4 to 2 + 1 to 1 1/2
Silt loam	1 to 1 1/2 + 1 to 1 1/2	1 1/2 + 1 1/2 to 2
Clay loam	1 1/4 to 1 1/2 + 1 1/2 to 2	1 1/2 + 2 to 2 1/2

Replanting: Corn or soybeans may be replanted within 4 months; after 4 months, any crop may be planted.

LINURON + "Ramrod"

SOIL TEXTURE (lbs)	PRODUCT PER ACRE	
	Low Organic Matter (1% to 3%) LINURON 4L (pts) + Ramrod 65 (lbs)	Moderate Organic Matter (3% to 6%) LINURON 4L (pts) + Ramrod 65
Sandy loam	2/3 to 1 1/3 + 1 to 2	1 1/3 to 2 + 2 to 3
Silt loam	1 to 1 1/2 + 1 1/2 to 2 1/2	1 1/2 + 2 to 4
Clay loam	1 1/4 to 1 1/2 + 2 to 3	1 1/2 + 3 to 4 3/4

Replanting: Corn may be replanted within 4 months; after 4 months, any crop may be planted.

LINURON 4L + Atrazine

SOIL TEXTURE	PRODUCT PER ACRE	
	Low Organic Matter	Moderate Organic Matter

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SOIL TEXTURE	(1% to 2%) LINURON 4L (pts)+Atrazine 80%(lbs)	(2% to 5%) LINURON 4L (pts) + Atrazine 80%(lbs)
Sandy loam 1/4	2/3 to 1 + 1/2 to 2/3	1 to 1 1/2 + 2/3 to 1
Silt loam	1 to 1 1/2 + 2/3 to 1	1 1/2 + 1 to 1 1/2
Clay loam	1 1/3 to 1 1/2 + 3/4 to 1	1 1/2 + 1 to 2

Replanting: Corn may be replanted within 6 months. After 6 months, any crop may be planted except do not follow treated corn with sugar beets, tobacco, or vegetables in rotation.

PARSNIPS -

Pre-emergence Application:

Make a single application of 1 1/2 to 3 pts. Apply after planting but before crop emerges. Plant seed at least 1/2" deep.

POTATOES: NOT FOR USE WEST OF THE ROCKY MOUNTAINS -

Pre-emergence Application:

Make a single application as a broadcast spray after planting but before crop emerges. Plant seed at least 2" deep. Do not spray over top of emerged potatoes. If beds are to be "dragged" and/or "hilled", apply after final "dragging" or "hilling" operation. Apply before grasses are 2" tall and before broadleaf weeds are 6" tall, preferably just before or when weed seedlings emerge. If emerged weeds are present, add 1 pt. surfactant for each 25 gals. spray mixture. In irrigated areas, best results are obtained when application is made to moist soil, followed within 2 weeks by 1" to 2" of sprinkler irrigation (or rainfall). On powder dry soils, irrigate prior to herbicide application and follow with sprinkler irrigation to activate the herbicide. Apply 1 1/2 to 2 1/2 pts. per acre on the lighter soils (sandy loams, silt loams; 1 to 2% organic matter) and 2 1/2 to 4 3 pts. per acre on heavier soils (silts, clay loams; 2 to 5% organic matter); on soils over 5% organic matter, use 4 3 pts. per acre and apply to emerged weeds (before potatoes emerge).

SOYBEANS -

Pre-emergence Application:

Select one of the following herbicide treatments and make a single application after planting but before crop emerges. Plant seed at least 1 3/4" deep on flat or raised seedbeds only or injury to the crop may result. Do not spray over top of emerged soybeans. If weeds have emerged, add 1 pt. surfactant for each 25 gals. spray mixture.

LINURON 4L Pts. Per Acre

Low Organic Matter	Moderate Organic Matter
--------------------	-------------------------

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SOIL TEXTURE	PR Notice 2007-4	
	(1 to 2%)	(2 to 5%)
Sandy loam	1 to 1 2/3	1 2/3 to 3
Silt loam	1 1/4 to 2	2
Clay loam	1 1/3 to 2	2

(Over 5% organic matter, use 2 pts)

Replanting: Soybeans or field corn may be replanted within 4 months; after months, any crop may be planted.

LINURON 4L Following "Treflan" Preplant -
 Where Treflan has been used as a preplant incorporated treatment (according to direction on "Treflan" label), apply as a separate operation using 1/2 the rate recommended above for LINURON 4L alone. For rotation crops, follow instruction on "Treflan" label.

LINURON 4L + "Amiben"***

PRODUCT PER ACRE

SOIL TEXTURE	Low Organic Matter	Moderate Organic Matter
	(1% to 3%) LINURON 4L (pts) + Amiben (Qts)	(3% to 6%) LINURON 4L (pts) + Amiben (Qts)
Sandy loam	2/3 to 1 1/2 + 3	1 1/2 to 2 + 3
Silt loam	1 to 1 2/3 + 3	1 2/3 to 2 + 4
Clay loam	1 1/4 to 2 + 4	2 + 5

Replanting: Soybeans or field corn may be replanted within 4 months; after 4 months, any crop may be planted.

LINURON 4L + "Lasso" - East of Rocky Mountains (Dilute Lasso with 2 parts of water and add as last ingredient to spray tank)

PRODUCT PER ACRE

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PR Notice 2007-4

<u>SOIL TEXTURE</u>	Low Organic Matter	Moderate Organic Matter
	(1 to 3%) LINURON 4L (pts) + Lasso (Qts)	(3% to 6%) LINURON 4L (pts) + Lasso (Qts)
Sandy loam	2/3 to 1 1/4 + 3/4 to 1	1 1/4 to 2 + 1 to 1 1/2
Silt loam	1 to 1 2/3 + 1 to 1 1/2	1 2/3 to 2 + 1 1/2 to
2 Clay loam	1 1/4 to 2 + 1 1/2 to 2	2 + 2 to 2 1/2

Replanting: Soybeans or field corn may be replanted within 4 months; after 4 months, any crop may be planted.

LINURON 4L + "Ramrod" (Seed Crop Only)

PRODUCT PER ACRE

<u>SOIL TEXTURE</u> (lbs)	Low Organic Matter	Moderate Organic Matter
	(1% to 3%) LINURON 4L (pts) + Ramrod 65 (lbs)	(3% to 6%) LINURON 4L (pts) + Ramrod 65
Sandy loam	2/3 to 1 1/3 + 1 to 2	1 1/3 to 2 + 2 to 3
Silt loam 1 - 1	1 2/3 + 1 1/2 to 2 1/2	1 2/3 - 2 + 2 1/2 - 4
Clay loam	1 1/4 to 2 + 2 to 3	2 + 3 to 4 3/4

Note: Do not graze or feed forage from treated areas to livestock; do not use seed for food, feed, or oil purposes.

Replanting: Soybeans, or field corn may be replanted within 4 months, any crop may be planted.

Planting: Corn or soybeans may be replanted within 4 months; after 4 months, any crop may be planted.

WHEAT (WINTER) (Drill-Planted) - Idaho, Oregon, Washington:

Plant seed at least 1" deep; when seed is planted during abnormally dry weather, treat after soil has been settled by rainfall or irrigation. Apply as a broadcast spray prior to emergence of wheat or to semi-dormant wheat plants. Application to actively growing plants may result in temporary yellowing (chlorosis) of wheat. Crop injury may result where severe winter stress, disease or insect damage follows application, and also from failure to observe the following: Do not use on sand or loamy sand soils, nor on gravelly or sandy loams low in organic matter (less than 1%), nor on thinly covered or exposed sub-soil areas (clay knobs); do not treat wheat planted less than 1" deep; do not treat wheat where winter climatic conditions have caused "heaving" of plants; do not treat wheat plants lacking in vigor due to poor emergence, insect damage, disease, high alkalinity or other causes; do not apply after wheat has reached the "boot"

stage of maturity nor when maximum daily temperature exceeds 60 degrees F; do not use Linuron 4L in combination with other pesticides (except as noted), surfactants, or nitrogen solution after wheat has emerged. Do not graze or feed immature plants to livestock. Do not replant treated areas to any rotation crop within 6 months after last application as injury to subsequent crops may result.

West of Cascade Range:
Make a single application of 2 to 3 1/2 pts. per acre as soon as possible after planting. If wheat and weeds have emerged, apply before weeds are 3" to 4" tall.

East of Cascade Range:
Make a single application of Linuron 4L alone or, where recommended below, as a tank mixture with bromoxynil. If fall-planted wheat fails to grow due to winter kill or adverse growing conditions after fall treatment, allow 4 months before planting spring wheat. Do not retreat field with a second application during the same crop year as injury to the crop may result.

Where Average Annual Rainfall Exceeds 16 inches:
Fall Treatment: For early fall-planted wheat (seeded before September 10), apply 1 to 1 1/2 pts. Linuron 4L per acre either before or after wheat has emerged but before weeds are 2" tall. Treatment after October 1 generally gives best results. Do not apply after soil freezes in the fall.

Spring Treatment: Apply 1 to 1 1/4 pts. Linuron 4L per acre as soon as wheat starts to grow in the spring. Application after weeds have reached a height of 2" may give poor results.

Where Average Annual Rainfall Is 10 to 16 Inches:
Fall or Winter Treatment: After wheat is planted in the fall, apply 1 to 1 1/2 pts. Linuron 4L per acre when sufficient moisture is available to germinate wheat seed. Apply either before or after wheat has emerged, but before weeds are 2" tall and before the soil freezes. Application later than March 1 may give poor results.

Where Average Annual Rainfall is 10 to 20 inches:
Fall or Spring Treatment: Apply 1/2 pt. Linuron 4L plus 1/4 lb. bromoxynil per acre as a tank mixture, either in the fall after wheat has emerged but before soil freezes or in the spring after wheat has emerged but before soil freezes or in the spring as soon as soil thaws; apply before weeds are 2" tall or across.

Warranty and Disclaimer Statement

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The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

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NOTIFICATION

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