



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 2, 2010

Asahi Chemical Manufacturing Co., Ltd.  
c/o Heather R. Bjornson  
Technology Sciences Group, Inc.  
1150 18<sup>th</sup> Street, N.W., Suite 1000  
Washington, D.C. 20036

RE: Product Name: Atonik Plant Growth Regulator  
EPA Reg. No.: 64922-1  
Application for Label Notification dated July 19, 2010 to update the  
storage and disposal statement per Pesticide Registration (PR) Notice  
2007-4.

Dear Ms. Bjornson:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under PR Notice 2007-4 dated above. A preliminary screen of this request has been conducted for its applicability under PR Notice 2007-4 and it has been determined that the action(s) requested falls within the scope of PR Notice 2007-4. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

If you have any questions concerning this action, please feel free to contact Mr. Colin Walsh at (703) 308-0298 or via email at [walsh.colin@epa.gov](mailto:walsh.colin@epa.gov).

Sincerely,

*Linda A. Hollis*

Linda A. Hollis, Chief  
Biochemical Pesticides Branch  
Biopesticides and Pollution Prevention  
Division (7511P)

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United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 64922-1	2. EPA Product Manager Linda Hollis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Atonik/Chaperone	PM# 91 Branch Chief, Biochemicals/BPPD	
5. Name and Address of Applicant (Include ZIP Code) Asahi Chemical Manufacturing Co., Ltd. 500 Takayasu Ikaruga-cho, Ikoma-gun, Nara Prefecture, Japan <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: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>Notification Accepted</b> Date: <b>AUG 02 2010</b>
<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.)

Reviewer: *C. Walsh*

Notification if label changed per PR Notice 2007-4. This notification is consistent with the 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 U.S.C. Sec. 10001 to willfully make any false and misleading statement to EPA. I further understand that if the amended label 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.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<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		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5 gallons		5. Location of Label Directions <input checked="" type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Technology Sciences Group, Inc.	Title Regulatory Consultant	Telephone No. (Include Area Code) (202) 828-8945
<b>Certification</b> 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 <i>Heather R. Bjornson</i>	3. Title Regulatory Consultant to Asahi Chemical Manufacturing	
4. Typed Name Heather R. Bjornson	5. Date July 19, 2010	

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**WASHINGTON**

1150 18th Street, N.W.  
Suite 1000  
Washington, D.C. 20036  
Telephone 202 223-4392  
Fax 202 872-0745

July 19, 2010

Linda Hollis  
Chief, Biochemical Pesticide Branch  
Biopesticides and Pollution Prevention Division (7511P)  
Office of Pesticide Programs, EPA  
One Potomac Yard, 2777 South Crystal Drive  
Arlington, VA 22202

**SACRAMENTO**

712 Fifth Street  
Suite A  
Davis, CA 95616  
Telephone 530 757-1298  
Fax 530 757-1299

RE: **ATONIK™ (EPA Reg. No. 83729-1)**

*Should be 64922-1*

**Notification per PR Notice 2007-4**

Dear Ms. Hollis:

Technology Sciences Group, Inc., on behalf of Asahi Chemical Manufacturing Co, Ltd., is submitting the enclosed notification to update the container disposal instructions.

Please do not hesitate to contact me directly with any questions.

Sincerely,

Heather R. Bjornson  
Regulatory Consultant for Asahi Chemical Manufacturing Co., Ltd.  
Direct dial (202) 828-8945; Email: hbjornson@tsgusa.com

**CANADA**

275 Slater Street  
Suite 900  
Ottawa, Ontario  
K1P 5H9  
Telephone 613 247-6285  
Fax 613 236-3754

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**Notification Accepted**

[MASTER LABEL]

**Date:** AUG 02 2010

**Reviewer:** C. Walsh

# ATONIK™

## PLANT GROWTH STIMULATOR PROTEIN ENHANCER

- 
- 
- ATONIK INCREASES THE INTAKE OF NUTRIENTS THAT ARE NECESSARY FOR PLANT GROWTH RESULTING IN IMPROVED YIELD
- ATONIK PROTEIN ENHANCER INCREASES THE UTILIZATION OF PROTEINS THAT ARE NECESSARY FOR PLANT GROWTH
- ATONIK PROTEIN ENHANCER INCREASES THE SYNTHESIS OF PROTEINS THAT ARE NECESSARY FOR PLANT GROWTH RESULTING IN IMPROVED YIELD

### ACTIVE INGREDIENTS

Sodium p-nitrophenolate .....	0.30%
Sodium o-nitrophenolate .....	0.20%
Sodium 5-nitroguaiacolate .....	0.10%

**OTHER INGREDIENTS** .....99.40%

**TOTAL:** 100.00

This product contains 0.03 lbs of sodium p-nitrophenolate, 0.02 lbs of sodium o-nitrophenolate, and 0.01 lb of sodium 5-nitroguaiacolate per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional precautionary labeling  
Always read and follow label directions

Net Contents:

Manufactured by:  
ASAHI CHEMICAL MANUFACTURING CO., LTD.  
500 TAKAYASU, IKARUGA-CHO, IKOMA-GUN  
NARA PERFECTURE, JAPAN

EPA Reg. No. 64922-1  
EPA Est. No. 64922-JF-1

Patent No. 6,770,598 to LTA Resources Management  
Atonik is the trademark of Agrivert Inc.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMAN AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers who may be exposed to the diluted solution through application or other tasks must wear a long sleeved shirt and long pants, and shoes plus socks. Follow manufacturers instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separate 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 chemical gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System [NPDES] permit and the permitting authority has been notified prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your local State Water Board or Regional Office of the EPA.

**FIRST AID**

**IF SWALLOWED:**

- 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

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing
- Rinse skin immediately with plenty of water for 15 - 20 minutes.
- Call a poison control center or doctor for treatment advice.

**IF IN EYES:**

- Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 1-800-858-7378 for emergency medical treatment information.

### 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 requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system. Atonik™ is rain-fast as soon as it dries on the leaf.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and green houses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to statements on this label about personal protective equipment [PPE], notification to workers 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 12 hours.

PPE required for early entry to treated area that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water is:

- coveralls
- waterproof gloves
- shoes plus socks

### APPLICATION

For best results apply directly to the foliage.

#### COTTON:

Apply Atonik™ at five to ten (5-10) ounces per acre up to two (2) applications per growing season during active bloom to boll fill. For ground application use 5 - 10 gallons of water/acre, and for aerial application, use 3-5 gallons/acre.

#### RICE

Apply Atonik™ twice during the rice growing season. Make application with the addition of a non-ionic surfactant (following its label recommendations) in 40 - 60 gallons of water applied with maximum foliar coverage.

Apply Atonik™ at the rate of 6 - 8 fl. oz/acre at the beginning of panicle initiation, with a second application of 6 - 8 fl. oz/acre at post anthesis. Use the higher rates with greater than normal foliage.

#### SOYBEANS

Apply Atonik™ at five to ten (5-10) ounces per acre up to two (2) applications per growing season during V3 to R3 developmental stages. For ground application use 5 - 10 gallons of water/acre, and for aerial application, use 3-5 gallons/acre.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in cool place out of direct sunlight. Keep from freezing.

**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:** 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 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**CONDITIONS OF SALE AND WARRANTY**

SELLERS OFFER THIS PRODUCT AND THE BUYER ACCEPTS THIS PRODUCT UNDER THE FOLLOWING AGREED CONDITIONS OF SALE AND WARRANTY

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to take into account all the variables and to eliminate risks associated with its use. Injury or damage may result because of conditions which are beyond the control of the SELLER. SELLER warrants that this product conforms to the chemical description on the label and is believed to be reasonably fit for the purpose referred to in the DIRECTIONS FOR USE when used as directed under normal conditions. SELLER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESSED OR IMPLIED WARRANTY. To the fullest extent permitted by law, the SELLER shall not be liable for consequential, special or indirect damages resulting from the use or handling of the product. Any variation or exception from this warranty must be in writing and signed by an authorized representative of the SELLER.

[CHAPERONE LABEL]

# CHAPERONE™

PROTEIN ENHANCER

CHAPERONE PROTEIN ENHANCER INCREASES THE UTILIZATION OF  
PROTEINS THAT ARE NECESSARY FOR PLANT GROWTH

**ACTIVE INGREDIENTS**

Sodium p-nitrophenolate .....	0.30%
Sodium o-nitrophenolate .....	0.20%
Sodium 5-nitroguaiacolate .....	0.10%

<b>OTHER INGREDIENTS</b> .....	99.40%
<b>TOTAL:</b>	100.00

This product contains 0.03 lbs of sodium p-nitrophenolate, 0.02 lbs of sodium o-nitrophenolate, and 0.01 lb of sodium 5-nitroguaiacolate per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional precautionary labeling  
Always read and follow label directions

Net Contents:

Manufactured by:  
ASAHI CHEMICAL MANUFACTURING CO., LTD.  
500 TAKAYASU, IKARUGA-CHO, IKOMA-GUN  
NARA PERFECTURE, JAPAN

EPA Reg. No. 64922-1  
EPA Est. No. 64922-JF-1

Patent No. 6,770,598 to LTA Resources Management.  
Chaperone is the trademark of Agrivert Inc.



**PRECAUTIONARY STATEMENTS  
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**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 requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system. Chaperone™ Protein Enhancer is rain-fast as soon as it dries on the leaf.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard. 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and green houses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to statements on this label about personal protective equipment [PPE], notification to workers and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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- waterproof gloves
- shoes plus socks

## APPLICATION

For best results apply directly to the foliage.

### COTTON:

Apply Chaperone™ Protein Enhancer at five to ten (5-10) ounces per acre up to two (2) applications per growing season during active bloom to boll fill. For ground application use 5 - 10 gallons of water/acre, and for aerial application, use 3-5 gallons/acre.

### SOYBEANS

Apply Chaperone™ Protein Enhancer at five to ten (5-10) ounces per acre up to two (2) applications per growing season during V3 to R3 developmental stages. For ground application use 5 - 10 gallons of water/acre, and for aerial application, use 3-5 gallons/acre.

## STORAGE AND DISPOSAL

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