

400-567 3-12-2009

1/7



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Michael R. Dupre
Chemtura Corporation
199 Benson Road
Middlebury, Connecticut 06749

MAR 12 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4 and 83-3

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 and 83-3 dated January 23, 2009 for:

EPA Registration 400-567 Enhance AW Seed Protectant

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 83-3 and finds that the label change(s) requested falls within the scope of PRN-2007-4 and 83-3. 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 Banza Djapao of my staff at 703-305-7269.

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

2/4

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
------------	--	--	-----------------------

Application for Pesticide - Section I

1. Company / Product Name 400-567	2. EPA Product Manager M. Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company / Product (Name) Enhance AW Seed Protectant	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Chemtura Corporation 199 Benson Road (2-5) Middlebury, Connecticut 06749 <input type="checkbox"/> check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 5(d)(2)(A), this product is similar or identical in composition and labeling to: <div style="text-align: right; font-weight: bold; font-size: 1.2em;"> NOTIFICATION MAR 12 2009 </div> 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 _____.
<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.)

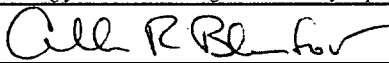
Notification of label change per PR Notices 2007-4 and 83-3 (Container Disposal Statements).

"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 of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false 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:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No <i>* Certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Packaging wgt	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input checked="" type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify) laminate
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1.5 lb, 5 lb	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Other <input type="checkbox"/> Paper glued Printed bag <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 Allen Blem	Title Registration Specialist	Telephone No. (Include Area Code) (203) 573-2487 e-mail: allen.blem@chertura.cc.m	
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 statements may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 	3. Title Product Registration Manager, North America		
4. Typed Name Michael Dupré	5. Date January 23, 2009		



3/4

Chemtura Corporation
199 Benson Road
Middlebury, Connecticut 06749

203-573-2000 tel
www.chemtura.com

January 23, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
2777 S. Crystal Drive
Room S-4900, One Potomac Yard, 4th Floor
Arlington, Virginia 22202-4501

Attention: Ms. Linda Arrington, Notifications
Registration Division (7504P)

Subject: **Amendment by the Notification Method:
Enhance[®] AW Seed Protectant (EPA Reg. No. 400-567)**

Dear Ms. Arrington:

Chemtura Corporation (Company No. 400) herein submits an Application for Amendment of Registration by the Notification Method for **Enhance[®] AW Seed Protectant (EPA Reg. No. 400-567)**, a seed treatment product containing three active ingredients: captan (PC Code 081301), carboxin (090201), and imidacloprid (129009). This product is a powder which is stored, transported and sold in nonrefillable non-rigid containers (plastic and/or laminate bags). This Notification revises the Container Disposal statements with the exact wording set forth in the regulations, including PRN 2007-4 and PRN 83-3.

We request that you send us a copy of the "Notification-Stamped" label, for those states that require an EPA-stamped label for their files.

If you have any questions about this notification, please contact either me or Allen Blem (Registration Specialist) at (203) 573-2487 or email allen.blem@chemtura.com.

Sincerely,

Chemtura Corporation

Michael Dupré
Product Registration Mgr., N.A.

Attachments:
Form 8570-1, with certification statement
Enhance AW label version 002, 1 copy, marked up

Trace Seed
Protection Products

Enhance[®] AW

NOTIFICATION

MAR 12 2009

SEED PROTECTANT

Active Ingredients:

Captan*	19.55%
Related Derivatives	0.45%
Carboxin	20.00%
Imidacloprid	20.00%
Other Ingredients	40.00%
Total	100.00%

*N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide

KEEP OUT OF REACH OF CHILDREN

DANGER • PELIGRO

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

FIRST AID

- | | |
|--------------------------------|---|
| IF IN EYES: | <ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15- 20 minutes.• Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice. |
| IF SWALLOWED: | <ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have the person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person. |
| IF INHALED: | <ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice. |
| IF ON SKIN OR CLOTHING: | <ul style="list-style-type: none">• 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. |

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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

EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	866-430-2775
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

Net Contents:

EPA REG. NO. 400-567

EPA EST. NO.

002

Manufactured for:
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749



www.tracechemicals.com
www.chemtura.com

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER • PELIGRO**

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

All Loaders, Applicators and other Handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks,
- chemical-resistant gloves
- chemical-resistant apron when loading, cleaning up spills, or cleaning equipment
- NIOSH approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with P or HE filter.

Persons handling un-bagged treated seed are handlers and must wear handler personal protective clothing. 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. See Engineering Controls for additional options.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This chemical is **toxic to fish** and **highly toxic to aquatic invertebrates**. Do not contaminate water when disposing of equipment washwaters or rinsate or by disposal of wastes. Treated seed exposed on soil surface may be hazardous to birds. Cover or collect spilled seeds.

This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the County or Parish in which you are applying the seed. To determine whether your County or Parish has a Bulletin consult <http://www.epa.gov/espp> before each season's use of this product.

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. 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.

Do not use treated seed for food, feed, or oil purposes.

For use only on agricultural establishments at or immediately before planting.

6/4

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 12 hours.**

Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard, allows workers to enter the treated areas without restriction if there will be no contact with the soil/media subsurface.

Double Notification: Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

Eye Protection: For at least seven days following the application of this product:

1. At least one container designed specifically for flushing eyes must be available in operating condition at the Worker Protection Standard-required decontamination site for workers entering the area treated with this product, and
2. Workers must be informed orally, in a manner they can understand:
 - that residues in the treated area may be highly irritating to their eyes,
 - that they should take precautions, such as refraining from rubbing their eyes to keep the residue out of their eyes,
 - that if they do get residue in their eyes, they should immediately flush their eyes, with the eyeflush container that is located at the decontamination site, and
 - how to operate the eyeflush container.

Early Entry 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, or treated seeds is coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks and protective eyewear.

PRODUCT INFORMATION

Enhance® AW Seed Protectant is an insecticide and fungicide combination seed treatment formulation specifically designed for treatment of seed on the farm at planting time. It controls common bunt or stinking smut (*Tilletia caries* and *Tilletia foetida*) and loose smut (*Ustilago nuda*) on wheat, covered smut (*Ustilago kollerii*) and loose smut (*Ustilago avenae*) on oats and covered smut (*Ustilago hordei*), false loose smut (*Ustilago nigra*) and true loose smut (*Ustilago nuda*) on barley. Protects seed from seed borne and soil borne fungi that cause seed decay, damping-off, and seedling blights (including *Fusarium*, *Cochliobolus sativus*, *Rhizoctonia* and *Pythium*) for all labeled crops.

For wheat, oats and barley, Enhance AW provides early season protection of seedlings against injury by aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid). Suppresses early season Hessian fly damage. Also provides suppression of wireworm activity on seed and young seedlings.

For soybeans, Enhance AW provides early season protection against injury by aphids, seed corn maggot, wireworm and overwintering bean leaf beetles.

For the legume vegetables listed below, other than soybeans, Enhance AW provides early season protection against seedling damage by wireworms, bean leaf beetles, imported fire ants, and aphids.

RATES

Crops	Rate of Product*
Wheat, Oats, Barley	4 oz. per 100 lbs. of seed
Soybeans	5 oz. per 100 lbs. of seed
Peas and Beans: (Adzuki Bean, Asparagus Bean, Broad Bean (Dry), Broad Bean (Succulent), Catjang Bean, Chinese Longbean, Field Bean, Guar Bean, Jackbean, Kidney Bean, Lablab Bean, Lima Bean (Dry), Lima Bean (Succulent), Moth Bean (Dry), Moth Bean (Succulent), Mung Bean, Navy Bean, Pinto Bean, Rice Bean, Runner Bean, Snap Bean, Sword Bean, Tepary Bean, Urd Bean, Wax Bean, Yardlong Bean, Blackeyed Pea (Dry), Blackeyed Pea (Succulent), Chickpea, Cowpea (Succulent), Cowpea (Dry), Crowder Pea, Dwarf Pea, Edible-Pod Pea, English Pea, Field Pea, Garden Pea, Green Pea, Pigeon Pea (Dry), Pigeon Pea (Succulent), Snow Pea, Southern Pea (Dry), Southern Pea (Succulent), Sugar Snap Pea, Grain Lupin, Sweet Lupin, White Lupin, White Sweet Lupin, Lentil)	5 oz. per 100 lbs. of seed

* Enhance AW contains 0.2 oz of captan, 0.2 oz of carboxin and 0.2 oz of imidacloprid per 1 oz of product.

USE RESTRICTIONS

Wheat, Barley, Oats: Do not graze or feed livestock on treated areas for 45 days after planting.

Soybeans: Do not graze or feed livestock on soybean forage or hay.

Peas and Beans: Do not allow livestock to graze or feed on forage until 60 days after treated seed is planted.

ENTRY RESTRICTION: Do not allow people or pets to enter the treated area until dusts have settled.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.

ROTATIONAL PLANT-BACK INTERVALS

Treated areas may be replanted with any crop specified on this product label, or any crop for which a tolerance exists for the active ingredients, as soon as practical following the last application. The following plant-back intervals must be observed for listed crops:

Immediate Plant-Back:

Artichoke; Barley; Brassica (cole) leafy vegetables; Canola; Cilantro; Corn, Sweet; Corn, Field; Cotton; Cranberry; Cucurbits; Eggplant; Field Leafy vegetables; Ground cherry; Leaf petiole vegetables; Legume vegetables (succulent or dried); Mustard Seed; Oats; Okra; Pepinos; Pepper; Popcorn; Potato; Rapeseed; Rye; Sorghum; Soybeans; Strawberry; Sugarbeet; Tomatillo; Tomato; Triticale; Vegetables, Root and Tuber; Watercress; Wheat

30-Day Plant-Back

Buckwheat, Millet, Rice, Safflower

10-Month Plant-Back

Onion and bulb vegetables

12-Month Plant-Back

For all other crops not listed on this product label, or for crops for which no tolerance for the active ingredients has been established, a 12-month plant-back interval must be observed.

Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed.

APPLICATION INSTRUCTIONS

Apply as a planter-box treatment (including air and vacuum planters), mixing thoroughly with the seed before planting. For best results, the following procedure is suggested. Fill planter-box only half-full of seed, add half the required amount of Enhance AW Seed Protectant and mix thoroughly with a stick or other device. Then add remainder of seed to planter-box and add the rest of the required amount of product to the seed, again mixing thoroughly. Good results are also obtained by premixing seed with the product in a suitable container, then pouring treated seed into planter-box.

Note: One level scoop (enclosed) is equivalent to 1 ounce of this product.

Adjust the seed drill or planter to give the required rate of seed delivery with treated seed. Regularly inspect planter plates and clean as required. At the end of each day, clean out the electric-eye monitors as directed by the manufacturer.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep pesticide in original container. Store in a cool, dry place. Protect from excessive heat. Do not store or transport near feed or food.

PESTICIDE DISPOSAL: Pesticide wastes 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 Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container.

Do not reuse or refill this container. Completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of empty container in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. Offer for recycling, if available.

IMPORTANT NOTICE

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product, contrary to label instructions, or under conditions not reasonably foreseeable to seller, and, to the extent consistent with applicable law, the buyer assumes the risk of any such use.

Treatment of highly mechanically damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small test sample of seed before treating commercial quantities with a selected chemical treatment. Due to seed quality and seed storage conditions beyond control of Chemtura, Chemtura makes no claims of guarantees as to germination of carry-over seed.

Enhance® is a registered trademark of Chemtura Corporation
©Copyright 2009, Chemtura Corporation

NOTIFICATION
MAR 12 2009