

100-1449

8/23/2012

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U S ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave N W  
Washington D C 20460

EPA Reg Number

100 1449

Date of Issuance

AUG 23 2012

NOTICE OF PESTICIDE

Registration  
 Reregistration

(under FIFRA as amended)

Term of Issuance

Conditional

Name of Pesticide Product

Adage™ Deluxe

Name and Address of Registrant (include ZIP Code)

Syngenta Crop Protection  
P O Box 18300  
Greensboro NC 27419

ATTN Patrick McCain

Note Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce In any correspondence on this product always refer to the above EPA registration number

On the basis of information furnished by the registrant the above named pesticide is hereby registered under the Federal Insecticide Fungicide and Rodenticide Act

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency In order to protect health and the environment the Administrator on his motion may at any time suspend or cancel the registration of a pesticide in accordance with the Act The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you

- 1 Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data
- 2 Make the following label changes before you release the product for shipment
  - Revise the EPA Registration Number to read EPA Reg No 100 1449

Signature of Approving Official

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

Date

AUG 23 2012

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- 3 Submit or cite the data which has previously been required for thiamethoxam (EPA Reg No 100 936)
  - Terrestrial Plant Toxicity Tier I (Seedling Emergence) (Test Guideline 850 4100) Required by the Agency on July 1 2010 An acceptable study or citation to an acceptable study must be received by the Agency by December 31 2012
  - Terrestrial Plant Toxicity Tier I (Vegetative Vigor) (Test Guideline 850 4150) Required by the Agency on July 1 2010 An acceptable study or citation to an acceptable study must be received by the Agency by December 31 2012
  - Avian Acute Oral Toxicity Test (Test Guideline 850 2100) Required by the Agency on July 1 2010 An acceptable study must be submitted or cited no later than the time this study is required to be submitted or cited for current thiamethoxam registrations
  - Field Test for Pollinators (test guideline 850 3040) An acceptable study must be submitted or cited no later than the time this study is required to be submitted or cited for current thiamethoxam registrations
- 4 Submit one copy of the revised final printed label for the record before you release the product for shipment

If these conditions are not complied with the registration will be subject to cancellation in accordance with FIFRA section 6(e) Your release for shipment of the product constitutes acceptance of these conditions A stamped copy of the label is enclosed for your records Please also note that the record for this product currently contains the following CSFs

- Basic CSF (1336/1) dated 3/1/12
- Alternate CSF #1 (1337/1) dated 3/1/12

If you have any questions please contact Julie Chao at 703 308 8735 or [chao.julie@epa.gov](mailto:chao.julie@epa.gov)

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

Enclosure

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(Master label)

Adage™ Deluxe

GROUP	4A	INSECTICIDE
GROUP	4	11 12 FUNGICIDES

Insecticide with Fungicides

A seed treatment product for protection against damage from listed insects seed borne diseases and seedling diseases on soybean

Active Ingredients

Thiamethoxam <sup>1</sup>	24 00 %
Mefenoxam <sup>2</sup>	4 80 %
Fludioxonil <sup>3</sup>	0 80 %
Azoxystrobin <sup>4</sup>	0 32 %
Other Ingredients	70 08 %
Total	100 00 %

<sup>1</sup>CAS No 153719 23 4

<sup>2</sup>CAS No 70630 17 0 and CAS No 69516 34 3

<sup>3</sup>CAS No 131341 86 1

<sup>4</sup>CAS No 131860 33 8

One gallon of Adage Deluxe contains 2 24 lb thiamethoxam 0 45 lb mefenoxam 0 07 lb fludioxonil and 0 03 lb azoxystrobin

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use in booklet[on label]

EPA Reg No 100 ~~RUUO~~ 1449

EPA Est XXXXX

SCP RUUO M(draft b Adage Deluxe)

Net Contents

ACCEPTED  
 With COMMENTS  
 In EPA Letter Dated  
 AUG 23 2012  
 Under the Federal Insecticide Fungicide  
 and Rodenticide Act As amended for the  
 pesticide Registered under EPA Reg No  
 100-1449

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment	
<b>HOT LINE NUMBER</b> For 24 Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill Leak Fire or Accident) Call <b>1 800 888 8372</b>	

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## PRECAUTIONARY STATEMENTS

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### Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if swallowed Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet

### 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 A on an EPA chemical resistance category selection chart

### Applicators and other handlers must wear

- Long sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material – Category A (e.g. natural rubber ≥ 14 mils)
- Shoes plus socks

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

**Engineering Control Statements**

When handlers use closed systems 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

**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

**Environmental Hazards**

This product is highly toxic to fish wildlife and aquatic invertebrates Exposed treated seed may be hazardous to wildlife Do not contaminate water when disposing of equipment washwater

**Pollinator Precautions**

Thiamethoxam is highly toxic to bees and effects are possible as a result of exposure to translocated residues in blooming crops

**Ground Water Advisory**

Thiamethoxam has properties and characteristics associated with chemicals detected in ground water This chemical may leach into the ground water if used in areas where soils are permeable particularly where the water table is shallow

Mefenoxam is known to leach through soil into ground water under certain conditions 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

Azoxystrobin in this product can be persistent for several months or longer Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to groundwater under certain conditions as a result of agricultural use Use of azoxystrobin in areas where soils are permeable particularly where the water table is shallow may result in groundwater contamination

**Physical and Chemical Hazards**

Do not use pour spill or store near heat or open flame

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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**NOTICE** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law, (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

**DIRECTIONS FOR USE**

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

**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 48 hours.** Exception: If the seed is treated with the product and the treated seed is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

- Coveralls
- Chemical resistant gloves made of any waterproof material – Category A (e.g., natural rubber ≥ 14 mils)
- Shoes plus socks

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT AND/OR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES**

Treatment of highly mechanically scarred or damaged seed or seed known to be of low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. Treat a quantity of seed using equipment similar to that planned for treating the total seed lot. Prior to treatment, conduct germination tests on a portion of seed before committing the total seed lot to a selected seed treatment.

Due to seed quality, crop or variety sensitivity, and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of seed or propagating material for all crop seed when treated with Adage Deluxe.

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## USE INFORMATION

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Adage Deluxe is a seed treatment product containing the active ingredients thiamethoxam (insecticide) and fludioxonil mefenoxam and azoxystrobin (fungicides) Adage Deluxe protects against damage from listed early season insects soil borne and seed borne diseases of soybeans

Thiamethoxam is a systemic seed treatment insecticide belonging to the neonicotinoid class of chemistry Thiamethoxam protects against listed chewing and sucking insects through contact and ingestion

Mefenoxam fungicide is active against *Pythium Phytophthora* and systemic downy mildew

Fludioxonil fungicide is active against *Fusarium Rhizoctonia* and suppresses seed borne *Sclerotinia* and *Phomopsis species*

Azoxystrobin fungicide is active against *Rhizoctonia* and *Pythium* and suppresses seed borne *Sclerotinia*

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## MIXING PROCEDURES

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**Important** Always re circulate Adage Deluxe thoroughly before using

The typical density of Adage Deluxe is 9.33 pounds per gallon Consult the manufacturer of the application equipment you plan to use for suitability for this application and for instructions on operation and calibration of the equipment Follow the manufacturer application instructions for the seed treatment equipment being used

Apply Adage Deluxe as a water based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage Uneven or incomplete seed coverage may not give the desired level of disease control Thoroughly mix the specified amount of Adage Deluxe into the required amount of water or liquid inoculant for the slurry treater and dilution rate to be used

Certain crops require addition of inoculants when the seed is treated or planted Adage Deluxe is compatible with several liquid inoculant products Consult the maker of the inoculant product and a Syngenta Crop Protection representative for directions before applying Adage Deluxe with inoculants

Under certain disease conditions additional amounts of fungicides may be required Tank mix partners may be used with Adage Deluxe however the user must consider



the use rate formulation seed and crop safety factors and compatibility of each product to be mixed when determining the total application volume

The total application volume must be sufficient to provide desired level of coverage Dilution is typically done with water or liquid inoculants The minimum slurry volume to achieve adequate coverage is 4.0 fluid ounces per 100 pounds of seed More diluent may be required to obtain complete coverage

Continuous agitation or mixing of the slurry mixture is necessary to prevent settling out of the solution

Allow seed to dry before bagging

Follow planter manufacturer specifications for use of talc or other hopper box additives at planting Seed must be completely dry before adding to planter

Use an EPA approved dye or colorant that imparts an unnatural color to the seed as required in 40 CFR 153.155 (c)

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## SEED BAG LABEL REQUIREMENTS

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The Federal Seed Act requires that bags containing treated seeds shall be labeled with the following statements

- This seed has been treated with thiamethoxam insecticide and fludioxonil mefenoxam and azoxystrobin fungicides
- Do not use for feed food or oil purposes
- User is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act

In addition the U S Environmental Protection Agency requires the following statements on bags containing seeds treated with Adage Deluxe

- Ground Water Advisory  
Thiamethoxam has properties and characteristics associated with chemicals detected in ground water This chemical may leach into the ground water if used in areas where soils are permeable particularly where the water table is shallow  
Mefenoxam is known to leach through soil into ground water under certain conditions 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  
Azoxystrobin in this product can be persistent for several months or longer  
Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to groundwater under certain conditions as a result of agricultural use Use of azoxystrobin in areas where soils are permeable particularly where the water table is shallow may result in groundwater contamination
- Pollinator Precautions  
Thiamethoxam is highly toxic to bees and effects are possible as a result of exposure to translocated residues in blooming crops
- 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 spilled during loading
- Treated seed must be planted into the soil at a depth greater than 1 inch
- Dispose of all excess treated seed Leftover treated 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 waters
- Dispose of seed packaging in accordance with local requirements
- In the event of a crop failure or harvest of a crop grown from Adage Deluxe treated seed the field may be replanted immediately to alfalfa barley *Brassica*

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(cole) leafy vegetables canola corn cotton cucurbit vegetables dry bulb onions fruiting vegetables leafy vegetables legume vegetables mint (peppermint and spearmint) oil seed crops (black mustard seed borage seed crambe seed field mustard seed flax seed Indian mustard seed Indian rapeseed seed rapeseed seed and safflower seed) peanuts rice root vegetables sorghum strawberry sunflowers tobacco tuberous and corn vegetables and wheat For any other crop the minimum plant back interval is 120 days from the date Adage Deluxe treated seed was planted A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval however the crop may not be grazed or harvested for food or feed

- Do not allow children pets or livestock to have access to treated seed
- Do not use at a rate that will result in more than 0.10 lb thiamethoxam per acre (45.6 grams ai/A) as a seed treatment application
- This seed has been treated with 0.1136 mg ai thiamethoxam per seed
- Do not apply a neonicotinoid insecticide within 45 days of planting seed treated with Adage Deluxe
- 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 pesticide remain in the ethanol by products that are used in agronomic practice

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## CROP USE PRECAUTIONS

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### Resistance Management

Adage Deluxe contains thiamethoxam a Group 4A insecticide mefenoxam a Group 4 fungicide fludioxonil a Group 12 fungicide and azoxystrobin a Group 11 fungicide

Some insect pests are known to develop resistance to products after repeated use. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. Syngenta encourages responsible product stewardship to ensure effective long term control of the insects on this label.

If resistance to this product develops in your area, this product or other products with a similar mode of action may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

Adage Deluxe contains a Group 4A insecticide (thiamethoxam, belonging to the neonicotinoid class of chemistry). Insect biotypes with acquired or inherent resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant method of control for targeted species. This may result in partial or total loss of control of those species by Adage Deluxe or other Group 4A insecticides.

### In order to maintain susceptibility to this class of chemistry

- Avoid using Group 4A insecticides exclusively for season long control of insect species with more than one generation per crop season.
- For insect species with successive or overlapping generations, apply Adage Deluxe or other Group 4A insecticides using a treatment window approach. A treatment window is a period of time as defined by the stage of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, there may either be single or consecutive applications (seed treatment, soil, foliar, unless otherwise stated) of the Group 4A insecticides. Do not exceed the maximum Adage Deluxe allowed per growing season.
- Following a treatment window of Group 4A insecticides, rotate to a treatment window of effective products with a different mode of action before making additional applications of Group 4A insecticides.
- A treatment window rotation, along with other IPM practices for the crop and use area, is considered an effective strategy for preventing or delaying a pest's ability to develop resistance to this class of chemistry.

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- If resistance is suspected do not reapply Adage Deluxe or any other Group 4A insecticides

**Other Insect Resistance Management (IRM) practices include**

Incorporating IPM techniques into your insect control program

- Monitoring treated insect populations for loss of field efficacy
- Using tank mixtures or premixes with insecticides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied

**For additional information on Insect Resistance Management**

- Contact your local extension specialist certified crop advisor and/or product manufacturer for additional insect resistance management recommendations
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://www.irac-online.org/>

Adage Deluxe contains the fungicide mefenoxam a systemic fungicide having a specific mode of action against fungal pathogens

**Note** The fungicide mefenoxam contained in this product could be subject to development of resistant strains of fungi or may be ineffective against naturally occurring strains of fungi. Development of resistance or natural tolerance cannot be predicted. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible resistant or tolerant strains of fungi which may occur.

Consult your local pest control advisor or extension office for additional methods for preventing resistance development. Syngenta encourages responsible product stewardship to ensure effective long term control of the insect pests on this label.

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**CROP USE DIRECTIONS**

When applied according to the **ADAGE DELUXE RATE TABLE** Adage Deluxe provides early season protection against injury by aphids bean leaf beetle grape colaspis leaf miners leaf hoppers Mexican bean beetle seed corn maggot three cornered alfalfa hopper thrips white grubs and wireworm

Adage Deluxe provides protection against damping off and seed borne rots due to *Pythium* *Phytophthora* *Fusarium* *Rhizoctonia* species and early season *Phytophthora* root rot Adage Deluxe also suppresses seed borne *Sclerotinia* and *Phomopsis* species

**ADAGE DELUXE RATE TABLE<sup>1</sup>**

Crop	Rate of Adage Deluxe		
	fl oz per 100 lb seed or fl oz per 140 000 seeds	grams ai per 100 kg seed	mg ai per seed
Soybean including soybean vegetable	4.29 fl oz	Thiamethoxam 75 gm	Thiamethoxam 0.1136 mg
	or	Mefenoxam 15 gm	Mefenoxam 0.0227 mg
	2.00 fl oz per 140 000 seeds	Fludioxonil 2.5 gm	Fludioxonil 0.0038 mg
		Azoxystrobin 1 gm	Azoxystrobin 0.0015 mg
			Total = 0.1416 mg

<sup>1</sup>The mg ai per seed fl oz Adage Deluxe per 100 lb seed and 140 000 seeds rates are based on 3 000 soybean seeds per pound Adage Deluxe contains 0.0218 lb ai/fl oz (or 9.89 gm ai/fl oz)

**Stored Grain Protection**

When treated according to the directions for post planting protection against listed pests Adage Deluxe will also provide protection during post treatment storage of the soybean seed against damage from the following stored grain insects Indian Meal Moth (*Plodia interpunctella*) Rice Weevil (*Sitophilus oryza*) Red Flour Beetle (*Tribolium castaneum*) and Lesser Grain Borer (*Rhizopertha dominica*)

If the soybean seed to be treated has existing infestations of stored grain insects fumigate the seed with a registered product approved for such use prior to treating with Adage Deluxe and bagging

**STORAGE AND DISPOSAL**

Do not contaminate water food or feed by storage disposal or cleaning of equipment

**Pesticide Storage**

Store in a cool dry place Storage for extended periods above 90 F is not recommended

For minor spills leaks etc follow all precautions indicated on this label and clean up immediately Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility If these wastes cannot be used 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 in proper disposal methods

**Container Handling [5 gallons or less]**

**Non refillable container** Do not reuse or refill this container Offer for recycling if available Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank 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 and disposal Drain for 10 seconds after the flow begins to drip Repeat this procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities

**Container Handling [greater than 5 gallons]**

**Non refillable 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 Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other side and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use and disposal Repeat this procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities

**Refillable container** Refill this container with Adage Premier only Do not reuse this

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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 person refilling.

To clean container before final disposal, empty the remaining contents from this 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 procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**DO NOT USE FOR FOOD FEED OR DRINKING WATER!**

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For non emergency (e.g. current product information) call  
Syngenta Crop Protection at 1 800 334 9481

Manufactured for  
Syngenta Crop Protection, LLC  
P O Box 18300  
Greensboro, North Carolina 27419 8300

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(Non detachable Container Label)

Adage™ Deluxe

GROUP	4A	INSECTICIDE
GROUP	4 11 12	FUNGICIDES

Insecticide with Fungicides

A seed treatment product for protection against damage from listed insects seed borne diseases and seedling diseases on soybean

Active Ingredients

Thiamethoxam <sup>1</sup>	24 00 %
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One gallon of Adage Deluxe contains 2 24 lb thiamethoxam 0 45 lb mefenoxam 0 07 lb fludioxonil and 0 03 lb azoxystrobin

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use in booklet

<b>AGRICULTURAL USE REQUIREMENTS</b>
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Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170 Refer to supplemental labeling under Agricultural Use Requirements in the Directions for Use section for information about this standard
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EPA Reg No 100 RUUO

EPA Est XXXXX

SCP RUUO M(draft b Adage Deluxe)

Net Contents

**PRECAUTIONARY STATEMENTS****Hazards to Humans and Domestic Animals****CAUTION**

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<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment	
<b>HOT LINE NUMBER</b> For 24 Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill Leak Fire or Accident) Call <b>1 800 888 8372</b>	

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### Physical and Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.

### STORAGE AND DISPOSAL

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

#### Pesticide Storage

Store in a cool, dry place. Storage for extended periods above 90 F is not recommended.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

#### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be used 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 in proper disposal methods.

#### Container Handling [5 gallons or less]

**Non refillable container** Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### Container Handling [greater than 5 gallons]

**Non refillable 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

20/25

flow begins to drip. 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. Turn the container over onto its other side and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities.

**Refillable container** Refill this container with Adage Deluxe 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 person refilling.

To clean container before final disposal, empty the remaining contents from this 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 procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities.

**DO NOT USE FOR FOOD, FEED OR DRINKING WATER!**

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Manufactured for  
Syngenta Crop Protection, LLC  
P O Box 18300  
Greensboro North Carolina 27419 8300

SCP RUUO M(draft b Adage Deluxe)  
Adage Deluxe RUUO M(draft b Adage Deluxe)clean lg 8 22 12  
**000100 xRUUO 20120822 b AdageDeluxe pdf**

(Non detachable Container Label Bulk)

Adage™ Deluxe

GROUP	4A	INSECTICIDE
GROUP	4 11 12	FUNGICIDES

Insecticide with Fungicides

A seed treatment product for protection against damage from listed insects seed borne diseases and seedling diseases on soybean

Active Ingredients

Thiamethoxam <sup>1</sup>	24 00 %
Mefenoxam <sup>2</sup>	4 8 %
Fludioxonil <sup>3</sup>	0 80 %
Azoxystrobin <sup>4</sup>	0 32 %
<hr/> Other Ingredients	<hr/> 70 08 %
Total	100 00 %

<sup>1</sup>CAS No 153719 23 4

<sup>2</sup>CAS No 70630 17 0 and CAS No 69516 34 3

<sup>3</sup>CAS No 131341 86 1

<sup>4</sup>CAS No 131860 33 8

One gallon of Adage Deluxe contains 2 24 lb thiamethoxam 0 45 lb mefenoxam 0 07 lb fludioxonil and 0 03 lb azoxystrobin

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use in booklet

EPA Reg No 100 RUUO

EPA Est XXXXX

**Product ID**

SCP RUUO M(draft b Adage Deluxe)

\_\_\_\_\_gallons  
Net Contents

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION**

Harmful if swallowed Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment	
<b>HOT LINE NUMBER</b>	
For 24 Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill Leak Fire or Accident) Call <b>1 800 888 8372</b>	

**Environmental Hazards**

This product is highly toxic to fish wildlife and aquatic invertebrates Exposed treated seed may be hazardous to wildlife Do not contaminate water when disposing of equipment washwater

**Pollinator Precautions**

Thiamethoxam is highly toxic to bees and effects are possible as a result of exposure to translocated residues in blooming crops

**Ground Water Advisory**

Thiamethoxam has properties and characteristics associated with chemicals detected in ground water This chemical may leach into the ground water if used in areas where soils are permeable particularly where the water table is shallow

Mefenoxam is known to leach through soil into ground water under certain conditions 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

Azoxystrobin in this product can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to groundwater under certain conditions as a result of agricultural use. Use of azoxystrobin in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**Physical and Chemical Hazards**

Do not use, pour, spill or store near heat or open flame.

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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**NOTICE** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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 when used in accordance with directions under normal use conditions. To the extent permitted by applicable law, (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT**

**THE ELECTION OF SYNGENTA OR SELLER THE REPLACEMENT OF THE PRODUCT**

SYNGENTA and Seller offer this product and Buyer and User accept it subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA

SYNGENTA and Seller offer this product and Buyer and User accept it subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA

**DIRECTIONS FOR USE**

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

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170 Refer to supplemental labeling under Agricultural Use Requirements in the Directions for Use section for information about this standard

**STORAGE AND DISPOSAL**

Do not contaminate water food or feed by storage disposal or cleaning of equipment

**Pesticide Storage**

Store in a cool dry place Storage for extended periods above 90 F is not recommended

For minor spills leaks etc follow all precautions indicated on this label and clean up immediately Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility If these wastes cannot be used 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 in proper disposal methods

**Container Handling [greater than 5 gallons]**

**Non refillable 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 Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other side and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use and disposal Repeat this procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities

**Refillable container** Refill this container with Adage Deluxe 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 person refilling

To clean container before final disposal empty the remaining contents from this container into application equipment or mix tank Fill the container about 10 percent full with water Agitate vigorously or re circulate water with the pump for 2 minutes Pour or pump rinsate into application equipment or rinsate collection system Repeat this rinsing procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities

**DO NOT USE FOR FOOD, FEED, OR DRINKING WATER!**

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For non emergency (e.g. current product information) call  
Syngenta Crop Protection at 1 800 334 9481

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Greensboro North Carolina 27419 8300  
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