Heads Up® Seed Treatment

Preplant seed treatment for the prevention of fungal and bacterial diseases of plants.

ACTIVE INGREDIENT:
Extract of Chenopodium quinoa saponins (containing approximately equimolar amounts of triterpene bidesmosidic glycosides of oleanolic acid, hederagenin, and phytolaccagenic acid) .......................... 49.65%
OTHER INGREDIENTS: ........................................................................... 50.35%
TOTAL .................................................. 100.00%

EPA Reg. No. 81853-1-264 .................................................. EPA Est. 81853-CAN-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

FIRST AID

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 eye.
- Call a poison control center or doctor for treatment advice.

IF INHALED:
- 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.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION
Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and handlers must wear: long-sleeved shirt and long pants, shoes, socks and waterproof gloves. For spray applications, wear protective eyewear. Follow manufacturer's instructions for maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations
- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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
Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. This pesticide is toxic to fish and aquatic invertebrates. Do not use seed treated with this product for animal feed. Do not use treated seed for food, feed or oil purposes. Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time. Dispose of excess treated seed by burial away from streams and bodies of water.

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 through any type of irrigation system.

Use this product only in accordance with the directions for use on the label.

Use this product thoroughly dissolved and only when mixed with water. Read entire directions for use and conditions of sale and warranty before using, and if said terms are not acceptable, return the product unused in its unopened container immediately.

Seed treatment on agricultural establishments in hopper-box, or other seed treatment application at or immediately before planting is within the scope of WPS.

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 and Tribe, consult the State/Tribal 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 the Personal Protective Equipment (PPE), notification to workers, and restricted-entry interval. The requirements of this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product 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, socks and shoes and waterproof gloves.

NON-AGRICULTURAL USE REQUIREMENTS
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

There are no restrictions.

GENERAL INFORMATION
Heads Up® Seed Treatment is a preplant seed treatment for the prevention of fungal and bacterial diseases of plants.

Heads Up Seed Treatment is made from plant sources. Apply this product as directed to seeds as part of a general disease management program.

TREAT ONLY HEALTHY VIGOROUS SEED: Application of Heads Up Seed Treatment to damaged or diseased seed or seed of low quality or vigor will not improve seed performance. Always apply to healthy seed.

MIXING DIRECTIONS
Apply dissolved into solution with water, and thoroughly coat the surface of the seed. Do not apply in packaged powder form. Ensure that the product is thoroughly dissolved in solution and the solution agitated before application. Return any unused powder to original container.

Clean application equipment. Prepare only the amount of solution needed to be applied to treat the seeds. Once in solution the product will be subject to bacterial degradation. Mix only enough product that is required for use. Use the solution IMMEDIATELY AFTER COMPLETE MIXING and no longer than 4 to 6 hours after mixing. Unused solution should be disposed according to the Storage and Disposal section of this label.

PREPLANT SEED TREATMENT
SITES
Potatoes, wheat, peas, beans, soybeans, and corn
APPLICATION RATES

<table>
<thead>
<tr>
<th>Crop Type</th>
<th>Treatment Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat, Pea, Bean, and Soybean Seeds</td>
<td>Mix at a ratio of 0.035 oz. (1 gram) of Heads Up Seed Treatment per 34 ounces (1 liter) of water. 34 ounces (1 liter) of this solution will treat 360 lbs. (163.3 kgs.) of legume or cereal seed.</td>
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<tr>
<td>Corn Seeds</td>
<td>Mix at a ratio of 0.035 oz. (1 gram) of Heads Up Seed Treatment per 34 ounces (1 liter) of water. 34 ounces (1 liter) of this solution will treat 160 lbs. (72.6 kgs.) to 360 lbs. (163.3 kgs.) of corn seed.</td>
</tr>
<tr>
<td>Seed Potatoes (as cut or whole tubers used for planting purposes)</td>
<td>Mix at a ratio of 0.035 oz. (1 gram) of Heads Up Seed Treatment per 34 ounces (1 liter) of water. 34 ounces (1 liter) of this solution will treat 220 - 582 lbs. (100 - 264 kgs.) of potato seeds.</td>
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</table>

APPLICATION

Seeds must be prepared and ready for seeding. The object is to achieve a wet shiny appearance to the seed. This will dry off or be absorbed by the seed; however, the treatment will remain in effect. Treat the seeds by dipping, spraying or dribbling the solution into a rotating auger conveyor or some other approved seed treatment device. Spray applications to seeds within an enclosed spray booth or other enclosed spray device are also acceptable providing thorough coverage is achieved.

For seed potatoes, whether fresh cut or suberized, the Heads Up® Seed Treatment solution must be applied to germinating seed potatoes, as indicated by obvious sprouting activity coming from the potato eyes. This sprouting activity can be from peeking to full spout length, but before green leaves appear.

Proper calibration and operation of application equipment is essential. Treat only the seed that you intend to plant and insure all treated seed is used for planting purposes.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE
Store in original container, tightly sealed, in a dry location.

PESTICIDE DISPOSAL
Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL
Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose of empty bag 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

Seller’s guarantee shall be limited to the contents and merchantability of the product and the terms of the label, and subject thereto. To the fullest extent permitted by law, the buyer assumes all risks to persons or property arising out of use or handling and accepts the product on these conditions. Because the time, place, rate of application and other conditions of use are beyond the Seller’s control, Seller’s liability from storage, handling and use of this product is limited to replacement of the product or a refund of the purchase price. Heads Up Seed Treatment is applicable as a disease preventive only. The directions for use of this product are based on test plots, greenhouse trials and the opinions of experts. They are believed to be reliable and correct; however, it is not possible to eliminate all possible detrimental effects associated with use, whether they are crop injury, ineffectiveness or other unintended consequences which may occur as a result of weather or other materials, or the manner of use or application, beyond the control of the manufacturer or the seller. To the fullest extent permitted by law, the buyer shall assume all risks.

NET CONTENTS:

*Heads Up®* is a trademark of Heads Up Plant Protectants, Inc.

Produced for

Bayer CropScience

Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
1-866-99BAYER (1-866-992-2937)

10/29/09