

HM-1734

Combination BioChemical Seed Treatment/ Seed Lubricant

A Biochemical Pesticide Seed Treatment and Seed Lubricant
(a proven Talc/Graphite Replacement) that: Improves stand establishment;
Suppresses nematode egg production; Lubricates Seed in Soybean Planters

FOR USE ONLY AS SEED TREATMENT IMMEDIATELY PRIOR TO PLANTING

Dry Seed Treatment Formulation

ACTIVE INGREDIENT:

Harpin $\alpha\beta$ Protein: 0.26%

OTHER INGREDIENTS: 99.74%

Total: 100.00%

EPA Reg. No. 71771-11-5905

AD 042821

EPA Est. No. 88746-GA-1

KEEP OUT OF REACH OF CHILDREN CAUTION - PRECAUCIÓN

See additional precautionary statements elsewhere on this label.

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.)

Read the entire label before using this product.
Read WARRANTY AND DISCLAIMER before buying or using.
If terms are not acceptable, return at once unopened.

NET WEIGHT: 4.4 Pounds



Seed Treatment

Manufactured For
HELENA AGRI-ENTERPRISES, LLC
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TENNESSEE 38017 U.S.A. • (901) 761-0050

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed. Harmful if inhaled. Avoid breathing dust. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
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 Swallowed	<ul style="list-style-type: none">• 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 by a poison control center or doctor.• Do not give anything to an unconscious person
If on Skin	<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.
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 lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.
- Waterproof gloves
- Protective eyewear
- A minimum of a NIOSH-approved particulate filtering face piece respirator with any N, R or P filter (TC-84A); OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter (TC-84A); OR a NIOSH-approved powered air purifying respirator with HE filters (TC-21C).

Follow the 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.

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. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: 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 wash waters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

- May Form Combustible (Explosive) Dust - Air Mixtures: Keep away from all ignition sources including heat, sparks and flame. Take precautionary measures against static discharge. Prevent dust accumulations to minimize explosion hazard.
- Do not store in direct sunlight.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or 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 personal protective equipment (PPE) and restricted-entry interval. The requirements in this box 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 4 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;
- Waterproof gloves; and
- Shoes and socks.

PRODUCT INFORMATION

HM-1734 contains both a Seed Lubricant (a proven Talc/Graphite Replacement) and a biochemical molecule that stimulates the plant's natural growth and defense systems, enhancing overall plant health. Healthier plants exhibit increased plant stamina and vigor, leading to one or more of the following benefits: improved stand and root establishment, suppressed nematode egg production, increased marketable yield, and enhanced quality. HM-1734 works best when used in conjunction with good crop management practices.

SITES

Use HM-1734 as a Seed Hopper/Seed Tank treatment for field production of soybean.

USE PRECAUTIONS

USE PROMPTLY

Use product promptly to minimize absorption of water. Carefully reseal opened packages to minimize exposure to air and moisture. Use opened packages within 3 weeks.

MIXING

HM-1734 may be used in conjunction with other commercial seed treatments and/ or with other dry hopper box treatments. Apply HM-1734 only to dry seed. Do not mix HM-1734 with water or any other seed lubricant product. Check with your local Helena Agri-Enterprises, LLC representative for specific compatibility information for HM-1734 and other labeled products.

USE OF TREATED SEED

Treat only seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seed beyond planting time.

APPLICATION INSTRUCTIONS

Apply HM-1734 as a dry pre-plant seed treatment. Apply product to dry seed using standard seed treatment equipment or apply directly to the hopper box. When applying directly to the hopper box, fill half the hopper box with seed and sprinkle the appropriate half-rate of HM-1734 over seed. See the appropriate application rates under CROPS and APPLICATION RATES. Finish filling the hopper box with seed and sprinkle the remaining HM-1734 over the new seed. It is important that HM-1734 mixed thoroughly on to the seed.

CROPS AND APPLICATION RATES

Field Crops

Crop	Rate per Unit* of Seed *(140,000 soybean seeds)
SOYBEAN	One Level Scoop (supplied in container)
	or
	0.38 oz
	or
	10.8 grams

Note: When filling large central fill seed hoppers, add HM-1734 to seed as it is filling the hopper to assure even distribution

DO NOT USE MORE THAN 1 LEVEL SCOOP PER SEED UNIT AS THIS MAY RESULT IN REDUCED PERFORMANCE IN THE EQUIPMENT.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110°F for more than 7 days. Use product within 3 weeks of opening and the same day as mixing.

PESTICIDE DISPOSAL

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

CONTAINER HANDLING

Non-refillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or 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.

WARRANTY AND DISCLAIMER

CONDITIONS OF SALE AND EXCLUSIVE WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness of the product, or other unintended consequences may result because of such factors as horticultural practices, use with other products (unless otherwise expressly provided in the Directions for Use of this product), presence of other materials, the manner of use or application, and various environmental conditions, including but not limited to weather conditions and moisture conditions. To the extent consistent with applicable law, all of the aforementioned risks are beyond the control of Helena Agri-Enterprises, LLC and the Buyer shall assume all such risks.

EXCLUSIVE WARRANTIES

Helena Agri-Enterprises, LLC warrants that, at the time of first sale of this product, it conforms to the chemical description on this label and, under normal conditions, is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. To the extent consistent with applicable law, if this product does not perform as warranted above, customer's sole remedy for breach of that warranty shall be replacement of the product or refund of the purchase price paid, at the option of Helena Agri-Enterprises, LLC. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND SATISFACTORY QUALITY.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Helena Agri-Enterprises, LLC excludes for itself and its suppliers any liability, whether based in contract or tort (including negligence), for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, or crop injury arising out of or in connection with the sale, use, injury, performance, or failure of this product, even if Helena Agri-Enterprises, LLC or its authorized reseller has been advised of the possibility of such damages, and limits its liability to replacement of the product or a refund of the purchase price paid, at the option of Helena Agri-Enterprises, LLC. This disclaimer of liability for damages will not be affected if any remedy provided by this label fails of its essential purpose.

ASSUMPTION OF RISK

To the extent consistent with applicable law, Buyer and User of this product assume the risk of any use contrary to the Directions for Use and/or all of the risks inherent in the use of the product as set forth above. Helena Agri-Enterprises, LLC offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Exclusive Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Helena Agri-Enterprises, LLC.

PROMPT NOTICE OF CLAIM

Helena Agri-Enterprises, LLC must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from the date of application) so that an inspection of the affected property and growing crops may be made. To the extent consistent with applicable law, unless Buyer and User promptly notify Helena Agri-Enterprises, LLC of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

To the extent consistent with applicable law, tank mixing or use of this product with any other product, which is not specifically and expressly authorized by this label, shall be the exclusive risk of User, Applicator, and/or Application Advisor. Read and follow the entire label of each product to be used in a mix with this product.

LIMITED USE LICENSE AND PATENTS

The contents of this package and/or the use of the contents are covered by U.S. Patent Nos. 5,849,868, 5,859,324, 5,776,889, 5,977,060, and 6,277,814 as well as pending patent applications. The purchase of this package grants the Buyer a license, under these patents and patent applications, to use its contents only for treating plants, plant seeds, and other plant parts as described by this label.

Always read and follow label instructions before buying or using this product.

© Copyright, Helena Holding Company, 2018

HM-1734

ACTIVE INGREDIENT:

Harpin $\alpha\beta$ Protein: 0.26%

OTHER INGREDIENTS: 99.74%

Total: 100.00%

CAUTION - PRECAUCIÓN

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SEE ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE INSIDE BOOKLET.

PRECAUTIONARY STATEMENTS

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FIRST AID

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- Shoes and socks.
- Waterproof gloves
- Protective eyewear
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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. **PESTICIDE STORAGE:** Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110°F for more than 7 days. Use product within 3 weeks of opening and the same day as mixing. **PESTICIDE DISPOSAL:** Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or 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.

EPA Reg. No. 71771-11-5905

EPA Est. No. 88746-GA-1

AD 042821

NET WEIGHT: 4.4 Pounds



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