



Helmstar Plus SC

Broad spectrum fungicide for control of listed plant diseases

ACTIVE INGREDIENT:	% BY WT
Azoxystrobin: methyl (E)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy-alpha-methoxymethylene) benzeneacetate	11.0%
Tebuconazole: (+)-alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	22.0%
OTHER INGREDIENTS	67.0%
TOTAL	100.0%

HELMSTAR PLUS SC is a suspension concentrate fungicide containing 2.0 lbs. Tebuconazole and 1.0 lb. Azoxystrobin per gallon.

EPA Reg. No. 74530-69 EPA Est. No. 39578-TX-001

KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

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.)

Net Contents: 2.5 Gallons (9.46 Liters)

FIRST AID	
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 OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 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 eye. • Call a poison control center or doctor for treatment advice.
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.
<p style="text-align: center;">Hot Line Number</p> <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING / AVISO

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks

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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft 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.
- 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 pesticide is toxic to mammals, fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

Ground Water Advisory: Azoxystrobin 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 ground water under certain conditions as a result of agricultural use. Tebuconazole is known to leach through soil into ground water under certain conditions as a result of label use. Therefore, use of **HELMSTAR PLUS SC** in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Surface Water Label Advisory: This product may contaminate water through drift of spray in wind. This product has high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

Notify state and/or Federal authorities and Helm Agro US, Inc., immediately if you observe any adverse environmental effects due to 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.

Read entire label before using this product. This label must be in the possession of the user at the time of pesticide application.

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 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 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) listed in the specific crop directions.

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:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof materials
- Chemical-resistant footwear plus socks

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

PRODUCT USE RESTRICTIONS

Do not use in nurseries, greenhouses or landscape plantings.

Not for use on corn or soybeans in the state of New York.

DO NOT spray **HELMSTAR PLUS SC** where spray drift may reach apple trees.

DO NOT use spray equipment which has been previously used to apply **HELMSTAR PLUS SC** to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

- Apply only during alternate years in fields adjacent to aquatic areas listed above.
- Do not apply by ground or air within 100 feet of aquatic areas listed above.
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

PRODUCT INFORMATION

HELMSTAR PLUS SC is a broad-spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. **HELMSTAR PLUS SC** may be applied as a foliar spray in spray programs or in tank mixes with other crop protection products. All applications must be made according to the use directions that follow.

HELMSTAR PLUS SC is extremely phytotoxic to certain apple varieties. AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit).

RESISTANCE MANAGEMENT

HELMSTAR PLUS SC contains both a Group 3 (tebuconazole) and Group 11 (azoxystrobin) fungicide. Fungal isolates/bacterial strains with acquired resistance to Group 3 (DMI; Demethylation Inhibitor) and/or Group 11 (QoI; quinone outside inhibitors) may eventually dominate the fungal/bacterial population if Group 3 and/or Group 11 fungicides/bactericides are used repeatedly in the same field or in successive years as the primary method of control for the targeted species. This may result in partial or total loss of control of those species by **HELMSTAR PLUS SC** and/or other Group 3 and/or Group 11 fungicides/bactericides.

To delay fungicide/bactericide resistance, consider using diversified fungal control strategies to minimize selection for fungal populations resistant to one or more fungicides:

- Avoiding the consecutive use of **HELMSTAR PLUS SC** or other Group 3 and/or 11 fungicides/bactericides that might have a similar mode of action, on the same disease species.
- Using tank mixtures or premixes with fungicides/bactericides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action and are both effective at the tank mix or premix rate on the fungal/bacterial of concern.
- Basing fungicide/bactericide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitor disease populations in treated crops for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for fungicide/bactericide resistance management and/or integrated disease management recommendations for specific crops.

HELMSTAR PLUS SC should not be alternated or tank mixed with any fungicide to which resistance has already developed.

APPLICATION PROCEDURES

Thorough coverage is necessary to provide good disease control. Make up no more spray solution than is needed for application. Avoid spray overlap, as crop injury may occur. Check equipment calibration frequently.

Ground Application. Do not apply in a manner that will result in exposure to humans or animals.

Apply **HELMSTAR PLUS SC** in sufficient water to ensure thorough coverage of foliage, blooms, and fruit. Thorough coverage is required for optimum disease control. For ground application to corn, refer to the **Restrictions for Use of Adjuvants or Crop Oil in Corn** section.

Ground Application

- For field crops (non-trees), apply in a minimum of 10 gallons of water per acre unless specified otherwise.
- For tree crops, apply in a minimum of 50 gallons of water per acre unless specified otherwise.
- Thorough coverage is necessary to provide good disease control.

Aerial Application.

Unless otherwise specified on this label, use no less than 5 gallons of spray solution per acre.

- **DO NOT** apply when conditions favor drift from target area.
- Use only on crops where aerial applications are indicated.
- For field crops (non-trees), apply in a minimum spray volume of 5 gallons per acre unless specified otherwise.
- For tree crops, apply in a minimum of 10 gallons of water per acre unless specified otherwise.
- Thorough coverage is necessary to provide good disease control.
- **HELMSTAR PLUS SC** is extremely phytotoxic to certain apple varieties.
- Avoid spray drift. Extreme care must be used to prevent injury to apple trees (and apple fruit).
- **DO NOT** spray **HELMSTAR PLUS SC** where spray drift may reach apple trees.

Aerial Application to Corn and Soybeans

Aerial applications of **HELMSTAR PLUS SC** may be made to corn and soybeans in water volumes of 2 or more gallons of spray solution per acre (GPA). The use of a crop oil or adjuvant may be used to improve spray coverage (for use of adjuvants or crop oil in corn, refer to **Restrictions for Use of Adjuvants or Crop Oil in Corn** section). Refer to the adjuvant product label for specific use directions and restrictions. For optimum results in cases of high disease pressure, use a minimum spray volume of 4 GPA. Select spray nozzles, pumping pressure, and sprayer height to provide medium-to-fine spray droplets that penetrate throughout the crop canopy. Spray calibration must be conducted to confirm spray droplet sizes. Continue to monitor spray application (including weather conditions) to assure proper droplet size and canopy penetration.

Adjuvants: For some uses on this label (see **Directions for Use**), a spray adjuvant (non-ionic surfactant, crop oil concentrate, or blend) may be added at the manufacturers recommended rates. Adjuvants that contain some form of silicone can contribute to phytotoxicity. When an adjuvant is used with this product, the use of an adjuvant that meets the standards of the Chemical Producers and Distributors Association (CPDA) adjuvant certification program is recommended.

For optimum disease control, tank mix **HELMSTAR PLUS SC** with the lowest specified rate of a spray surfactant.

Drying Time: **HELMSTAR PLUS SC** is most effective when applied and allowed to dry two to four hours before a rainfall or irrigation.

Crop Tolerance/Phytotoxicity: **HELMSTAR PLUS SC** may demonstrate some phytotoxic effects when mixed with products that are formulated as ECs. These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application. In addition, adjuvants that contain some form of silicone can contribute to phytotoxicity.

Efficacy: Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if the maximum amount of **HELMSTAR PLUS SC** has been used. If resistant isolates to Group 3 or Group 11 fungicides are present, efficacy can be reduced. The use of shorter spray intervals or higher rates (if a rate range is permitted) may be required under conditions of heavy infection pressure, highly susceptible varieties, or when environmental conditions conducive to disease exist.

Integrated Pest Management: **HELMSTAR PLUS SC** should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. Consult your local agricultural authorities for IPM strategies established for your area. **HELMSTAR PLUS SC** may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interaction of many equipment-and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions regarding spraying.

Apply only as a medium or coarser spray (ASABE standard 572.1) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Apply only when the wind speed is 2 – 10 mph at the application site.

For ground applications:

- Do not apply with a nozzle height greater than 4 feet above the crop canopy.

For aerial applications:

- The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or 90% of the rotor blade diameter. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45°.

Where states have more stringent regulations, they must be observed.

The applicator should be familiar with and take into account the information covered in the **Spray Drift Management** section.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap as crop injury may result.

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see **Wind, Temperature and Humidity and Temperature Inversions** sections).

Controlling Droplet Size

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** - Use a nozzle-type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should be made at the lowest height consistent with efficacy and flight safety. Do not make at a height greater than 10 feet above the top of the largest plants unless a greater height is recommended for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

MIXING AND APPLICATION METHODS

HELMSTAR PLUS SC may be applied with all types of spray equipment commonly used for making ground and aerial applications. Proper adjustments and calibration of spray equipment to give good canopy penetration and coverage is essential for good disease control.

Spray Equipment

Nozzles

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles should be the same size and uniformly spaced across the boom.
- Calibrate sprayer before use.
- It is suggested that screens be used to protect the pump and to prevent nozzles from clogging.
- Screens placed on suction side of pump should be *16-mesh or coarser*.
- Do not place a screen in the recirculation line.
- Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles.
- Check nozzle manufacturer's recommendations.

Pump

- Use a pump with capacity to:
 - Maintain 35-40 psi at nozzles.
 - Provide sufficient agitation in tank to keep mixture in suspension. Use a jet agitator or liquid sparge tube for agitation. Do not use air sparge.

For more information on spray equipment and calibration, consult sprayer manufacturer's and state recommendations. For specific local directions and spray schedules, consult the current state agricultural recommendations.

HELMSTAR PLUS SC Alone (no tank mix):

- **HELMSTAR PLUS SC** is a suspension concentrate (SC) formulation.
- Prepare no more spray mixture than is required for the immediate operation.
- Thoroughly clean spray equipment before using this product.
- Agitate the spray solution before and during application.
- Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

Mixing Procedures:

1. Add $\frac{1}{2}$ - $\frac{2}{3}$ of the required amount of water to the spray or mixing tank.
2. With the agitator running, add **HELMSTAR PLUS SC** to the tank.
3. Continue agitation while adding the remainder of the water.
4. Begin application of the spray solution after **HELMSTAR PLUS SC** has completely dispersed into the mix water.
5. Maintain agitation until all of the mixture has been sprayed.

HELMSTAR PLUS SC + Tank Mixtures:

HELMSTAR PLUS SC is usually compatible with all tank-mix partners listed on this label. Do not combine **HELMSTAR PLUS SC** in the spray tank with pesticides, surfactants, or fertilizers unless compatibility charts or your own prior use has shown that the combination is physically compatible, effective, and non-injurious to the crop under your conditions of use. To determine the physical compatibility of **HELMSTAR PLUS SC** with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water dispersible granular products first, then liquid flowables (which include suspension concentrates), followed by emulsifiable concentrates and additives/adjuvants last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

Mixing Procedures:

1. Add $\frac{1}{2}$ - $\frac{2}{3}$ of the required amount of water to the spray or mixing tank.
2. With the agitator running, add the tank-mix partner(s) into the tank in the same order as described above in the **HELMSTAR PLUS SC +Tank Mixtures** section.
3. Allow the material to completely dissolve and disperse into the mix water.
4. Continue agitation while adding the remainder of the water and the **HELMSTAR PLUS SC** to the spray tank. Allow **HELMSTAR PLUS SC** to completely disperse.
5. Spray the mixture with the agitator running.

Observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank-mix product label.

No label dosage rate may be exceeded, and the most restrictive label precautions and limitations must be followed.

This product may not be mixed with any product which prohibits such mixing.

DIRECTIONS FOR USE

HELMSTAR PLUS SC Crop-specific Requirements				
Crop	Target Disease	Product Rate per Application (fl oz/A)	Maximum Product Rate per Year (fl oz/A)	Minimum Time from Application to Harvest – Days (PHI)
Corn* Field, Popcorn, and seed Sweet corn	Northern corn leaf blight (<i>Setosphaeria turcica</i>) Northern corn leaf spot (<i>Cochliobolus carbonum</i>) Southern corn leaf blight (<i>Cochliobolus heterostrophus</i>) Also known as: Helminthosporium leaf blights (<i>Helminthosporium maydis</i> , <i>H. turcicum</i> , and <i>H. carbonum</i>) Anthracnose leaf blight (<i>Colletotrichum graminicola</i>) Eye spot (<i>Aureobasidium zeae-maydis</i>) Gray leaf spot (<i>Cercospora zeae-maydis</i>) Physoderma brown spot (<i>Physoderma maydis</i>)	7.2 - 10.8	43.2	Field and Pop Corn 21 days for forage 36 days for grain or fodder. Sweet Corn 7 days of harvest for ears or forage 49 days before the harvest of fodder
Instructions				
<p>For gray leaf spot, apply HELMSTAR PLUS SC at the onset of disease. A second application may be required 14 days later if disease pressure persists.</p> <p>For all listed diseases other than gray leaf spot, apply HELMSTAR PLUS SC in a protective spray schedule or when weather conditions are favorable for disease development. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control. Shorten the interval under heavy disease pressure.</p> <p>Restrictions for Use of Adjuvants or Crop Oil in Corn. DO NOT use adjuvants or crop oil after the V8 stage and prior to the VT stage. (The VT stage is defined as when the last branch of the tassel is completely visible outside of the whorl). A compatibility agent, another fungicide, or an insecticide may be included in the tank mix, if needed, and labeled for use on corn. Refer to the adjuvant and other tank mix pesticide product labels for specific use directions and restrictions. Always follow the most restrictive label. Consult a Helm Agro representative or local agricultural authority for more information concerning additives. For best results, tank mix HELMSTAR PLUS SC with the lowest labeled rate of a spray adjuvant (non-ionic surfactant, crop oil concentrate, or blend) at the manufacturers recommended rates to obtain sufficient coverage. Adjuvants that contain some form of silicone can contribute to phytotoxicity. Use a higher water volume for aerial application if equipment and/or conditions will not provide good coverage.</p> <p>Restrictions:</p> <ul style="list-style-type: none">• Do not apply more than 43.2 fl oz/A/season of HELMSTAR PLUS SC per crop.• Do not apply more than 0.675 lb. a.i. Tebuconazole containing products/A/year.• Do not apply more than 2.0 lbs. a.i. Azoxystrobin containing products/A/year.• Excluding sweet corn, restricted-entry interval (REI) = 12 hours.• For sweet corn, restricted-entry interval (REI) = 19 days. <p>* Not for use on corn in the state of New York.</p>				

HELMSTAR PLUS SC Crop-specific Requirements				
Crop	Target Disease	Product Rate per Application (fl oz/A)	Maximum Product Rate per Year (fl oz/A)	Minimum Time from Application to Harvest – Days (PHI)
Grasses (grown for seed)	Powdery Mildew (<i>Erysiphe polygoni</i>) Rusts (<i>Puccinia spp.</i>)	7.2 – 14.4	28.8	N/A
	Ergot Stem Diseases	10.7 – 14.4		
Instructions				
<p>Powdery Mildew and Rusts - Apply HELMSTAR PLUS SC when infections first appears on the leaves. <i>Seleophoma</i> infections, and/or rust pustules are noticeable and increasing in number in late spring or early summer. To maximize control of severe rust pressure, apply 14.4 fl oz/A (except bluegrass apply 7.6 fl oz/A) and make applications at 14-day intervals until the seed is mature. For bluegrass, it is important to begin application early in the growing season.</p> <p>Ergot Stem Diseases - Apply HELMSTAR PLUS SC prior to disease development and continue throughout the season on a 10- to 14 day schedule.</p> <p>Apply HELMSTAR PLUS SC in a minimum of 20 gal. of water per acre for ground or in a minimum of 10 gal. of water per acre for aerial. For optimum benefit tank-mix HELMSTAR PLUS SC with the lowest label rate of a spray adjuvant (non-ionic surfactant, crop oil concentrate, or blend) at the manufacturers recommended rates. Adjuvants that contain some form of silicone can contribute to phytotoxicity.</p> <p>Restrictions:</p> <ul style="list-style-type: none">• Do not apply more than 0.45 lb. a.i. Tebuconazole-containing products/A/year.• Do not apply more than 0.8 lb. a.i. Azoxystrobin-containing products/A/year.• Do not apply within 8 days of harvest (8-day PHI) of seed.• Regrowth may be grazed starting 17 days after the last application.• Do not feed treated straw, seed, or screenings to livestock.• Do not feed forage, or cut green crop to livestock.• Restricted-entry interval (REI) for grasses grown for seed = 12 hours.				

HELMSTAR PLUS SC Crop-specific Requirements (continued)				
Crop	Target Disease	Product Rate per Application (fl oz/A)	Maximum Product Rate per Year (fl oz/A)	Minimum Time from Application to Harvest – Days (PHI)
Peanuts	Foliar Diseases Early Leaf Spot (<i>Cercospora arachidicola</i>) Late Leaf Spot (<i>Cercosporidium personatum</i>) Rust (<i>Puccinia arachidis</i>) Pepper spot (<i>Leptosphaerulia spp.</i>) Web Blotch (<i>Phoma arachidicola</i>)	13.0	51.8	14
	Soil-Borne Diseases Rhizoctonia limb rot Rhizoctonia Pod Rot (<i>R. solani</i>) (Virginia and North Carolina only) Southern stem and pod rot (White mold, Southern blight, Southern stem rot) (<i>Sclerotium rolfsii</i>) Suppression only: Cylindrocladium Black Rot (<i>C. crotalariae</i>) Pythium Pod Rot (<i>P. myriotylum</i>)	13.0		

(continued)

HELMSTAR PLUS SC Crop-specific Requirements <i>(continued)</i>				
Instructions				
<p>For Foliar Diseases: Apply HELMSTAR PLUS SC in a preventive program beginning 35 to 40 days after planting or at the first appearance of disease. Continue applications on a 14-day schedule. HELMSTAR PLUS SC also may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.</p> <p>For Soilborne Diseases: Apply HELMSTAR PLUS SC at approximately 60 and 90 days after planting as a foliar application. This application regime may be applied earlier in the season if environmental conditions favor disease development. This application will provide protection against soil-borne diseases and will also provide control of the foliar diseases listed for a 10- to 14-day period after each spray.</p> <p>Additional applications of other fungicides on a leaf spot application schedule will be required to provide season-long disease control of the leaf spot diseases.</p> <p>When applying HELMSTAR PLUS SC as a directed ground application, additional methods should be employed for leaf spot control. HELMSTAR PLUS SC must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by <i>Sclerotium rolfsii</i> and <i>Rhizoctonia solani</i>. Drought conditions will decrease the effectiveness of HELMSTAR PLUS SC against root and pod rots.</p> <p>For optimum control of foliar diseases apply HELMSTAR PLUS SC with the lowest label rate of a spray adjuvant (non-ionic surfactant, crop oil concentrate, or blend) at the manufacturers recommended rates. Adjuvants that contain some form of silicone can contribute to phytotoxicity.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • Do not apply more than 0.81 lb. a.i. tebuconazole-containing products/A/year. • Do not apply more than 0.80 lb. a.i. azoxystrobin-containing products/A/year. • Do not feed hay or threshings or allow livestock to graze in treated areas. • Restricted-entry interval (REI) = 12 hours. 				

HELMSTAR PLUS SC Crop-specific Requirements				
Crop	Target Disease	Product Rate per Application (fl oz/A)	Maximum Product Rate per Year (fl oz/A)	Minimum Time from Application to Harvest – Days (PHI)
Pecans	Anthrachnose <i>(Glomerella cingulata)</i> Downy Spot <i>(Mycosphaerella caryigena)</i> Liver Spot <i>(Gnomonia caryae pv pecanae)</i> Pecan Scab <i>(Cladosporium caryigenum)</i> Vein Spot <i>(Gnomonia nerviseda)</i> Zonate Leaf Spot <i>(Cristulariella moricola)</i> Brown leaf spot <i>(Sirosporium diffusum)</i>	7.2 – 14.4	64.8	45
Instructions				
<p>Apply HELMSTAR PLUS SC in a preventive spray schedule beginning at early bud break (young leaves unfolding), and continue applications at 10- to 14-day intervals through the pollination period. Apply the high rate to varieties that are highly susceptible to the indicated diseases, or when severe disease conditions exist.</p> <p>Other foliar diseases: HELMSTAR PLUS SC may be applied for control of mid to late season foliar diseases with other pecan products labeled for these diseases. Observe all directions, precautions, and limitations for the other products.</p> <p>For optimum disease control, tank mix HELMSTAR PLUS SC with the lowest specified rate of a spray adjuvant such as a non-ionic surfactant, crop oil concentrate, or blend at the manufacturers recommended rates. Adjuvants that contain some form of silicone can contribute to phytotoxicity.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • Do not apply more than 64.8 fl oz/A of HELMSTAR PLUS SC per year. • Do not graze livestock in treated areas or cut treated cover crops for feed. • Do not apply more than 0.9 lb. a.i. tebuconazole-containing products/A/year. • Do not apply more than 1.2 lbs. a.i. azoxystrobin-containing products/A/year. • Do not apply after shuck split or within 45 days of harvest (45-day PHI), whichever is first. • Restricted-entry interval (REI) = 12 hours. 				

HELMSTAR PLUS SC Crop-specific Requirements				
Crop	Target Disease	Product Rate per Application (fl oz/A)	Maximum Product Rate per Year (fl oz/A)	Minimum Time from Application to Harvest – Days (PHI)
Soybeans*	Aerial Web Blight (<i>Rhizoctonia solani</i>) Alternaria Leaf Spot (<i>Alternaria</i> spp.) Anthracnose (<i>Colletotrichum truncatum</i>) Brown Spot (<i>Septaria glycines</i>) Cercospora Blight and Leaf Spot (<i>Cercospora kickuchii</i>) Frogeye Leaf Spot (<i>Cercospora sojina</i>) Pod and Stem Blight (<i>Diaporthe</i> spp.) Soybean Rust (<i>Phakopsora pachyrhizi</i>) Powdery mildew (<i>Microspheera diffusa</i>)	7.2	21.8	21
Instructions				
<p>Apply HELMSTAR PLUS SC as a preventive spray prior to disease development. Repeat applications on a 10- to 14-day spray interval if environmental conditions are favorable for continued disease development. Use a shorter interval when disease pressure is severe. Contact Extension personnel for local economic thresholds and timings for specific diseases in your area.</p> <p>For best results, sufficient coverage is very important. Use a higher water volume for aerial application if equipment and/or conditions will not provide for good coverage. Tank mix HELMSTAR PLUS SC with the lowest labeled rate of a spray adjuvant (non-ionic surfactant, crop oil concentrate, or blend) at the manufacturers recommended rates. Adjuvants that contain some form of silicone can contribute to phytotoxicity.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • Do not apply more than 21.8 fl oz/A of HELMSTAR PLUS SC per crop. • Do not apply more than 0.34 lb. a.i. of Tebuconazole-containing products/A/year. • Do not apply more than 1.5 lbs. a.i. of azoxystrobin-containing products/A/year. • Do not apply within 21 days of harvest (21-day PHI). • Restricted-entry interval (REI) = 12 hours. <p>* Not for use on soybeans in the state of New York.</p>				

ROTATION CROPS

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. Any crop not specified on this label may be planted into treated areas 120 days after last application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of reach of children, preferably in a locked storage area.

Do not store above 100°F for extended periods of time. Storage below 20°F can result in formation of crystals. If product crystallizes, store at 50°F to 70°F and agitate to redissolve crystals. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

PESTICIDE DISPOSAL:

Open dumping is prohibited. Pesticide wastes are toxic. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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 the hazardous waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Rigid, Nonrefillable containers small enough to shake (i.e. with capacities equal to less than five gallons).

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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 or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Once container is rinsed, offer for recycling if available, or puncture and dispose of in a sanitary landfill.

Rigid, Nonrefillable containers that are too large to shake (i.e. with capacities greater than 5 gallons or 50 lbs).

Nonrefillable container.

Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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 end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Once container is rinsed, offer for recycling if available, or puncture and dispose of in a sanitary landfill.

Refillable Container

Refill this container with pesticide 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 refiller.

Refilling or Returning Containers

If refilling or returning container is planned, end users are not authorized to remove tamper evident cables, one way valves or clean container.

Recycle or Disposal of Containers

End users are authorized to remove tamper evident cable as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. Instructions for container rinsing and either recycling or disposal are as follows:

Bottom Discharge IBC (e.g. Schuetz Caged IBC or Snyder Square Stackable).

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g. Snyder 120 Next Gen, Bonar B120, Drums and Kegs).

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the 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. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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.

Follow Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Helm Agro US, Inc. or Seller. To the extent of applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Helm and Seller harmless for any claims relating to such factors.

Helm 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, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Helm, and Buyer and User assume the risk of any such use. **HELM MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

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