

Muscle® 3.6F

Application Type

AG

Agricultural

GROUP 3 FUNGICIDE

ACTIVE INGREDIENTS:

Tebuconazole {alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl-1H-1,2,4-triazole-1-ethanol)} 38.7%

OTHER INGREDIENTS: 61.3%

TOTAL: 100.0%

Contains 3.6 pounds tebuconazole per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have affected person sip a glass of water if able to swallow.• Do not induce vomiting unless told by a poison control center or doctor.• Do not give anything by mouth 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 15-20 minutes.• 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.
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.

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

Emergency phone numbers:	(800) 222-1222 Poison Control Center (800) 858-7378 NPIC (human and animal health) (800) 424-9300 CHEMTREC (transportation and spills)
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NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically. This product may be a dermal sensitizer.

See inside panel for additional precautionary statements.

EPA Reg. No. 60063-29

EPA Est. No. 70815-GA-001
37429-GA-01

MANUFACTURED FOR:
SIPCAM AGRO USA, INC.
2520 Meridian Parkway, Suite 525
Durham, NC 27713



SipcamAdvan

9501540-000-20100114

NET CONTENTS: 2.5 Gallons

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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 C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants;
- Shoes and socks;
- Chemical-resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.

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

Engineering Controls:

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 thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on 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 disposing of equipment washwater or rinsate.

Ground Water Advisory: Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

Surface Water Advisory: This product may contaminate water through drift of spray in wind. This product has a 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. This pesticide is toxic to estuarine and marine 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 disposing of equipment washwater or rinsate.

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 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) of 12 hours**.

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, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton
- Shoes plus socks

General Precautions and Restrictions

Observe the following precautions 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.

Spray drift management: For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Rotational 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.

Mixing: Dilute this product into water, then apply by means of spraying equipment which is properly engineered and calibrated to deliver uniform deposit onto surfaces of the crops which are approved for use of this product. Add specified amount of Muscile 3.6 F into the mixing tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the mixing and/or sprayer tank, this product should be thoroughly dispersed into the water carrier prior to the addition of other materials.

Spray Volume: Apply this product in a minimum of 10 gallons of water by ground sprayer, or in a minimum of 5 gallons of water per acre by aircraft spray equipment. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary for complete crop coverage, increase the volume rate of water carrier.

Chemigation: Do not apply this product through any type of irrigation system.

Compatibility:

- To determine the physical compatibility of Muscile 3.6 F with other products, the following procedure should be followed: Pour the specified proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five (5) minutes. If the combination remains uniformly mixed or can be re-mixed readily, the mixture is considered physically compatible.
- Biological compatibility, i.e. effectiveness for disease control or lack of phytotoxicity, must be determined on a case-by-case basis. Do not mix this product with any other pesticide, fertilizer, adjuvant or any other materials except water unless you know that such mixtures will be effective and non-injurious to your crop under your conditions of use. When an adjuvant is to be used with this product, Sipcam Advan USA recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant.

Approved Crop Uses

CROP	PHI (DAYS)	DISEASES	RATE OF PRODUCT PER ACRE	APPLICATION DIRECTIONS
Grasses Grown for Seed	4	Rusts (<i>Puccinia</i> spp.), Powdery mildew	4 to 8 fl oz per application Maximum 16 fl oz per crop season	Apply when weather conditions are favorable for disease development or when first signs of disease are present. Repeat applications at 14- to 16-day intervals. Under heavy disease pressure use 6 to 8 fl oz/A and shorter spray intervals.
	General directions: Apply the specified rate in a minimum of 20 gallons of water per acre with ground sprayers or in a minimum of 10 gallons of water per acre with aircraft. Thorough coverage is important for optimum disease control. For optimum benefit, the lowest specified rate of a spray surfactant should be tank mixed with this product. Chaff, screenings and straw from treated areas may be used for feed purposes, however, do not forage, cut green crop, or use seed for feed purposes. Regrowth may be grazed starting 17 days after last application.			

(continued)

Approved Crop Uses (continued)

CROP	PHI (DAYS)	DISEASES	RATE OF PRODUCT PER ACRE	APPLICATION DIRECTIONS
Peanut	14	Soilborne: Sclerotium stem and pod rot (white mold, southern blight, southern stem rot) Rhizoctonia limb rot Rhizoctonia pod rot (Virginia and North Carolina only) Foliar: Early leaf spot, Late leaf spot, Leaf rust, Web blotch (<i>Phoma</i>), Pepper spot (<i>Leptosphaerulina</i>)	7.2 fl oz per acre Maximum 28.8 fl oz per crop season	FOUR-APPLICATION PROGRAM: Apply this product consecutively four times per growing season within a preventive schedule of fungicide applications that are typically used for the control of peanut foliar diseases. Repeat applications of this product at 14-day intervals. For optimal control of soilborne diseases, the first application of this product should be made not later than the beginning of pegging, approximately 45 to 60 days after planting. Applications of this product should be preceded by and followed by products containing chlorothalonil active ingredient, such as Echo®, in accordance with their label(s). LEAF SPOT ADVISORY SCHEDULE: For control of soilborne diseases in an advisory schedule, apply this product in the first advisory spray in July and continue applications at 14-day intervals. Applications after mid-August should be tank mixed with a product containing chlorothalonil for resistance management purposes.
	<p>General directions: For optimum control of the specified soilborne diseases, four consecutive applications of this product must be made at 14-day intervals. Do not feed hay or threshings to livestock, or allow livestock to graze in treated areas. Tebuconazole, the active ingredient in this product, is a sterol demethylation inhibitor (DMI) fungicide. A chlorothalonil product may be tank mixed at the rate of 0.75 lbs of active ingredient with this product as a leaf spot resistance management strategy. A spray surfactant is not necessary when this product is tank mixed with a chlorothalonil product. Mixing or alternating this product with other sterol DMI fungicides may lead to resistance. The active ingredient in this product 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 may decrease the effectiveness of this product against root and pod rots. Use this product in conjunction with cultural practices that are known to reduce the severity of soilborne diseases, such as proper crop rotation practices.</p>			
Soybeans	21	Rust (<i>Phakopsora pachyrhizii</i>)	3 to 4 fl oz per acre Maximum 12 fl oz per acre per crop season	At the first sign of rust pustules on foliage make a spray application of this product. If environmental conditions are favorable to continued disease development, make a second application after 10 to 21 days dependent upon the severity of disease pressure. Do not apply more than 0.338 pounds of the active ingredient, tebuconazole, per acre per year and make no more than 3 applications of this product per season. Apply this product in a minimum of 10 gallons of spray suspension per acre by ground sprayer or in a minimum of 5 gallons of spray suspension per acre by aircraft.
	<p>General directions: Observe fields closely for early disease symptoms. For optimum benefit, the lowest specified rate of a spray surfactant should be tank mixed with this product.</p>			
Sunflowers	50	Rust (<i>Puccinia</i> spp.)	6 fl oz per acre Maximum 16 fl oz per crop season	Make a foliar spray application of this product (6 fl oz per acre) at the first sign of rust infection. Repeat this application after 14 days if the severity of the infection warrants treatment or if conditions conducive to infection prevail. Do not exceed the maximum specified treatment rate (16 fl oz) per crop season. Apply the specified treatment rate in a minimum quantity of 20 gallons of water per acre when making application of this product with ground sprayers. When making applications by aircraft use a minimum quantity of 5 gallons of water to disperse the specified application rate. Do not exceed the maximum specified application rate per crop per season.
	<p>General directions: Observe fields closely for early disease symptoms. For optimum benefit, the lowest specified rate of a spray surfactant should be tank mixed with this product. Thorough coverage is important for optimum disease control.</p>			
Wheat, Barley	30	Rusts (leaf, stem, and stripe) (<i>Puccinia</i> spp.) Scab or head blight (<i>Fusarium graminearum</i>) - suppression	4 fl oz per acre Maximum 4 fl oz per acre per crop season	Rusts: Make an application of this product at the first sign of rust pustules on foliage. Fusarium head blight: The best time to apply this product to suppress <i>Fusarium</i> head blight is at the beginning of anthesis (flowering) of the main head, Feekes growth stage 10.5.1. Apply this product in a minimum of 10 gallons of spray suspension per acre by ground sprayer or in a minimum of 5 gallons of spray suspension per acre by aircraft.
	<p>General directions: Observe fields closely for early disease symptoms under prolonged conditions favorable for disease development and/or when varieties susceptible to these diseases are planted. Do not allow livestock to graze or feed green forage to livestock prior to 6 days after application of this product. Straw cut after harvest may be fed to livestock or used for bedding. For optimum benefit, the lowest specified rate of a spray surfactant should be tank mixed with this product. The plant will absorb the active ingredient systemically after two to four hours following application prior to irrigation or rain; after which, this product will resist weathering. Tebuconazole, the active ingredient in this product, is a sterol demethylation inhibitor (DMI) fungicide.</p>			

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 the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable 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 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, if available, or puncture and dispose of 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 LIMITATION OF DAMAGES

CONDITIONS OF SALE: To the extent consistent with applicable law, Sipcam Agro USA, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions stated on the label. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to Sipcam Agro USA, Inc. **SIPCAM AGRO USA, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SIPCAM AGRO USA, INC. SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND SIPCAM AGRO USA, INC.'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. BUYER AND USER ACKNOWLEDGE, AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. SIPCAM AGRO USA, INC. DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**

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