

TriCure[®]MS Premium Media Surfactant

**Blended Non-Ionic Media Surfactant
for the Greenhouse and Nursery Industry**



TriCure[®]MS
Media Surfactant

Safe • Non-Phytotoxic

GENERAL INFORMATION

TriCureMS (media surfactant) is a biodegradable, non-toxic wetting agent designed to treat hydrophobic components of growing media and improve water use efficiency in the greenhouse and nursery industry. Presence of TriCureMS in the media helps achieve uniform distribution of moisture while wetting and in subsequent irrigations.

Peat is the most widely used material for making substrates for pots, flats, and hanging baskets. Peat is formed by partial decomposition of mosses, reeds and sedges. The quality and usefulness of peat depends on the level of decomposition, method of harvest, moisture conditions during harvest, and plant species.

All peat types under low moisture conditions are hydrophobic (repel water). The degree of water repellency varies depending on bog location and season of harvest. Hydrophobic peat exhibits poor water holding capacity and causes water to bead up, pool, and channel away instead of absorbing into the potting media.

Bark is also used extensively in the nursery and greenhouse industry, with pine bark being the most widely used component. Very dry bark, like peat, can also be very hydrophobic. Wetability of bark varies and is due to wood type, age of forest, and degree of bark decomposition.

Treating peat and bark with TriCureMS provides immediate absorption of water by the media, with uniform moisture distribution and improved water holding capacity.

Read **CAUTION STATEMENT** before use.

DIRECTIONS FOR USE

For Greenhouse and Nursery mixes comprised of sphagnum peat moss, bark, vermiculite, perlite, sand and soil, apply the following rates of TriCureMS in solution. Spray wetting agent solution uniformly while blending with media.

- Mix 4 fluid ounces of TriCureMS with 4 gallons of water and apply to 1 cubic yard of mix.
- For difficult-to-wet media, mix 6 fluid ounces of TriCureMS with 4 gallons of water per cubic yard of mix.
- If using untreated mix already in filled pots, drench with 500 ppm TriCureMS (6.3 fluid ounces/100 gallons of water), then reapply at 50 ppm weekly or as needed.
- If a wetting problem is noticed, and you are using a mix already containing a media surfactant, apply 50 ppm of TriCureMS solution as needed for re-wetting.
- For plug media, add 1 to 1.5 fluid ounces of TriCureMS to 2 gallons of water; stir well and spray uniformly over plug media while blending. Adding wetting agent while preparing plug media helps in maintaining adequate moisture during plug production.
- For nurseries, large pots, trees, and shrubs, drench with a solution of 1 fluid ounce of TriCureMS in 4 gallons of water 2 to 4 times per year.

Fluid Ounces of TriCureMS	+ Gallons of Water	= PPM
6.3	100	500
3.12	50	500
0.312	5	500

(1 fluid ounce is 2 tablespoons or 30mL)

BENEFITS

- Reduction in frequency and duration of watering
- Ease of wetting and re-wetting potting media
- Ensure uniform water movement and distribution to the root-zone
- Longer intervals between irrigation
- Reduced hand watering
- Reduced labor cost
- Maximized water use efficiency
- Non-phytotoxic

TIPS

- For quick, INITIAL wetting, use more water while spraying TriCureMS on the mix.
- Do not use newly harvested bark in your mixes. Instead, use composted or aged bark to achieve uniform moisture distribution in the media.
- After treating mix, cover treated mix to retain moisture, which in turn helps achieve quick moisture absorption after filling the pots.
- Do not stockpile pre-filled pots and flats. Compressed and dried peat mix in pre-filled pots can be difficult to wet once allowed to dry.

PRECAUTIONARY STATEMENTS

- Overexposure causes eye irritation, excessive watering, redness
- Overexposure to skin may cause itching and redness
- Harmful if swallowed. May cause diarrhea, nausea and vomiting.
- Avoid breathing vapor or mist
- Wear approved eye protection and clothing
- Keep out of reach of children

IN CASE OF CONTACT

- EYES** If eye exposure occurs, wash with water for at least 15 minutes. See a physician.
- SKIN** Eye and skin irritant. Wash skin and clothing thoroughly with water after exposure.
- INGESTION** Contact physician or poison-control center. If victim is conscious and able to swallow, quickly give milk or water to dilute. Do not give sodium bicarbonate, vinegar, or fruit juices. Never give anything by mouth if victim is unconscious or having convulsions. Induce vomiting only upon advice of a physician.

CAUTION: Keep out of reach of children.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

TriCureMS Injection Table

TriCureMS ppm	INJECTOR RATIO					
	1:300	1:200	1:150	1:100	1:50	1:30
	Ounces of TriCureMS per Gallon of Stock Solution					
10	0.4	0.3	0.2	0.1	0.06	0.04
100	3.8	2.5	1.9	1.3	0.6	0.4
200	7.6	5.0	3.8	2.5	1.3	0.76
300	11.4	7.6	5.7	3.8	1.9	1.1
500	19.0	12.6	9.5	6.3	3.2	1.9
600	23.0	15.0	11.4	7.6	3.8	2.3

Note: 1 Fluid Oz. = 2 Tablespoons

How to Use the Above Table

- Find the number of parts per million (ppm) of TriCureMS (i.e.10) to be injected (first column).
- Find Injector Ratio (i.e.1:300) across top.
- Intersect injector ratio with the parts per million (ppm) you need to inject and you will find the number of ounces of TriCureMS (i.e.0.4) you need to add to each gallon of stock solution.

STORAGE & DISPOSAL

Do not contaminate water, food or feed. Store in an approved facility out of reach of children or unauthorized personnel. Store in original container. Dispose of unused contents according to RCRA and all applicable national and local government regulations.

Containers may be disposed of after thorough rinsing and offered for recycling or reconditioning or disposed of according to approved national and local regulations. Do not reuse empty containers.

WARRANTY: Seller warrants that this material is suitable for the purpose stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any contrary to such directions. Seller makes no other expressed or implied warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

CONTAINS NON-PLANT-FOOD INGREDIENTS

Active Ingredient: 100% Polyoxiran Derivative

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PRODUCT LABEL