

COTTON - SEED AND SEEDLING DISEASE, ETC.

General Information

Product Information

Systiva XS Xemium brand fungicide is a broadspectrum fungicide that provides preventive seed and seedling protection from several seed and soilborne diseases. Make all applications according to the use directions in this label. Use the higher rates of Systiva XS when disease pressure is expected to be high.

Resistance Management

Fluxapyroxad, the active ingredient of Systiva XS, belongs to the group of respiration inhibitors classified by the U.S. EPA and Canada PMRA as a target-site-of-action Group 7 fungicide. Because of the minimal amounts of Systiva XS applied to the seed, the potential for development of resistance is low. Therefore, Systiva XS seed treatments can be followed by foliar use. Follow resistance management guidelines of foliar use fungicides containing fluxapyroxad as specified on the respective labels.

Application Instructions

For use at commercial treatment facilities. Not for use on-farm.

Apply Systiva XS as a water-based mixture using standard slurry or mist-type seed treatment application equipment. The exact amount of water needed to provide the mixture or slurry rate (ml/100 kg or oz/cwt of seed) for optimum coverage is difficult to predict because weather conditions (hot or cold), seed type and surface, and equipment used all have a bearing on coverage. Consult a seed treatment specialist regarding slurry rates recommended for the crop seed to be treated with Systiva XS. The required amount of Systiva XS must then be diluted with the specified amount of water that will provide uniform and complete coverage on the seed surface. Uniform application on seed and complete seed coverage are necessary for seed safety and best disease protection. Seed must be of a good quality and well cleaned before treatment.

The purchaser of Systiva XS is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Use an EPA-approved

dye or colorant that imparts an unnatural color to the seed. Any dye or colorant added to treated seed must be cleared for use under 40CFR, Part 180.900, "Exemptions from the requirement of a tolerance". Federal regulations have established official tolerances or exemptions from tolerances for residues on food and forage crops that must not be exceeded when the product (dye or colorant) is used at specified rates.

Consult the seed treatment specialist for calibration and operation procedures of the seed treatment equipment being used. Mechanical agitation is required for proper mixing of Systiva XS. Prepare no more mixture of Systiva XS than is needed for immediate treating. Add 3/4 of the required volume of water to the mix tank. With agitation running, add the required amount of Systiva XS in the tank along with other seed treatment components. Add the remaining 1/4 amount of the required volume of water. Use the mixing sequence that follows. Agitate thoroughly before and during application.

Limitations, Restrictions, and Exceptions

Product Use Rate - mg ai per seed rates based on the following seed weights.

0.02 to 0.04 mg ai per seed: Cotton - 4,500 seeds per pound

Method

[Seed Treatment](#)

Timings

[N.A.](#)