

Specimen Label



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Next generation plant inoculant for increased phosphorus mobilization

Purpose of the Product: Plant inoculant for increased phosphorus mobilization

CONTAINS NON-PLANT FOOD INGREDIENT SOIL AMENDING GUARANTEED ANALYSIS

Active Ingredient:

50.0 %	Microbe <i>Bacillus amyloliquefaciens</i> strain FZB45, 2.5×10^{10} CFU/ml
50.0 %	Total Other (Inert) Ingredients (Carriers)
100.0 %	Total

KEEP OUT OF REACH OF CHILDREN CAUTION

Mixing and Application Instructions

Always dilute Utrisha P with water prior to use. Sufficient soil moisture and soil temperature above 54°F (12°C) is needed for activation. The indicated dosages are basic recommendations and depend on local conditions (e.g., soil structure and climatic factors). Use 3.5 – 14 fl. oz/acre. Depending on crop, repeated applications (after 4 – 6 weeks) are recommended.

Ensure adequate amount of water is used to allow Utrisha P to reach the rooting zone. Utrisha P is not a fungicide and will not replace your standard fungicide treatments.

DIRECTIONS FOR USE

Spray application (3.5 – 14 fl. oz/a)

Optimally spray the product in furrow at planting or sowing. Use common mechanical or motorized equipment for ground applications avoiding drift and directing the nozzle towards the rooting zone. Ensure that the spray nozzle size is at least 60 mesh (0.25 mm). In order for the product to reach the rooting zone, irrigate the treated area or time the application before a rain event.

Watering (drenching) application (0.02%)

Add 0.25 fl. oz of Utrisha P to 10 gallons of water and apply to transplants or cuttings. Use 3 – 9.5 fl. oz of suspension per square ft for uniform wetting of soil and root zone. Adjust the amount of water for the specific conditions. Seedlings can also be drenched in seedling boxes before planting. For optimum results, make the initial application of Utrisha P during seedling production.

Irrigation systems (3.5 – 14 fl. oz/a)

Thoroughly clean the supply tank, metering unit, or injector equipment before use. Add the required amount of Utrisha P to the irrigation system using a suitable metering unit (e.g., Dosatron). Calculate the required water volume so that the bacteria will reach the root growth area. If not working with a metering unit – fill tank approximately halfway with water and add the required amount of Utrisha P. Continuous agitation of the supply tank before and during irrigation is required.

Hydroponics (3.5 – 14 fl. oz/a)

Add 0.125 – 0.25 fl. oz of Utrisha P per 10 gallons (0.01 – 0.02%) of nutrient solution and apply as soon as possible after planting. Thoroughly clean the supply tank or metering unit before use. Depending on your system, calculate the required amount of product per nutrient solution (according to surface). Add the required amount of Utrisha P to the system using a suitable metering unit (e.g. Dosatron). For smaller hydroponic systems or in case of a lack of calculation options work with 0.01 – 0.02%. Alternatively, or in addition, drench young plants directly in the substrate (e.g. rockwool or peat cubes) with 3 – 16 fl. oz of suspension per plant (0.02% (0.2 ml/liter water)) before or right after transplanting.

Soil and soil-substrate mix

Utrisha P can be applied directly to soil or mixed with soils and other substrates. Mix at a rate of 0.5 fl. oz of Utrisha P to 10 gallons of water and spray 1.5 – 3 fl. oz of suspension per sq. ft. of soil or soil-substrate surface. Assure a uniform distribution of Utrisha P through consistent agitation of mixture.

COMPATIBILITY

Utrisha P can be mixed with common plant protection products or fertilizers, except for products containing copper, disinfectants and products with antibiotic properties. Always add Utrisha P to the end into the already prepared plant protection or fertilizer tank mix. Do not combine with any agrochemicals without first consulting your sales representative.

TANK MIX RESTRICTION

It is advised not to mix Utrisha P with products containing copper, disinfectants and products with antibiotic properties. Stir Utrisha P into the already prepared tank mix. Stir the tank mix before and during application in order to prevent sedimentation of the spores. Apply immediately after mixing. Do not store tank mixes for more than 8 hours, and ensure a pH between 5 and 8.5.

STORAGE

This product contains living organisms. Store the product in cool and dry environment protected from sunlight. Avoid temperatures over 86°F (30°C). At room temperature (below 77°F (25°C)), the product can be stored for a period of at least 2 years.

CAUTION

Wear appropriate protective gear, avoid skin contact, and follow the caution statements of the other treatments if the seed has been pretreated. To minimize risk of allergic exposure, it is recommended individuals wear standard protective clothing and equipment including gloves safety glasses, and, if there is a risk of inhalation, a NIOSH-approved respirator (N-95). In case of allergic contact with eyes or skin, immediately flush the exposed area with water. Seek medical attention if irritation develops or persists.

LIMITED WARRANTY

Corteva Agriscience warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, condition of the crop, incompatibility with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. To the extent consistent with applicable law, NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

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