

# HOW TO HELP YOUR CORN CROP START STRONG FOLLOWING A FLOOD

Many areas of the Midwest are experiencing flooding in their fields and growers may be wondering how this might affect this year's crop. After extensive flooding, fields may show symptoms of Flooded Soil Syndrome which include slow-stunted early growth, purple coloration and poorly developed roots according to the University of Nebraska-Lincoln and Iowa State University.

When planting into fields that were underwater after flooding rains, it's common for plants to be deficient in phosphorous due to several factors, which results in low plant available P. While saturated soil itself does not reduce beneficial mycorrhizal fungi populations, it's been suggested that flooding can decrease survival of the active mycorrhizae populations.

Mycorrhizae form associations with plant roots expanding the root absorption area beyond the root zone due to the hyphal network. These beneficial fungi also produce enzymes which convert unavailable forms of nutrients to those that can be taken up and used by the plant.

Mycorrhizae also helps to refurbish soil structure through the production of glomalin. Glomalin glues soil and organic particles into tightly bound aggregates which support root development and plant growth by improving soil stability and aeration, water infiltration and water holding capacity of the soil.

To support productivity in fields that suffered extensive flooding, consider a good starter fertilizer and at the same time re-stock beneficial mycorrhizae fungi species instead of waiting for populations to rebound over time. Mycorrhizal fungi can quickly colonize plant roots to aid in nutrient uptake for the entire season. The all-new, easy-to-use liquid formulation of MycoApply® EndoPrime® SC contains four select species of mycorrhizal fungi designed to get your corn crop off to a strong start and stand up to stress throughout the season. Applied in-furrow, MycoApply EndoPrime SC allows for easy application via water or starter fertilizer to fit seamlessly into your existing cropping practices.

**Give your crop a strong start to protect your crop today and your cropland productivity through healthy soil for generations to come with MycoApply EndoPrime SC.**



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