



POTATOES



BioPath® Application in Potatoes

April, 2024

OBJECTIVE

Evaluate the effects of BioPath® on the yield and quality of potatoes under different environmental conditions.

OVERVIEW

- Some applied fertilizer and other soil nutrients are unavailable to the plant for nutrient uptake due to complex physical and chemical interactions.
- Select soil microbes can influence these interactions to increase plant nutrient availability and improve nutrient uptake and utilization, resulting in increased plant biomass and vigor.
- Biopath contains multiple bacterial species that are specifically selected and formulated to promote plant nutrient availability.
- Activity of bacterial species can vary depending on environmental conditions affecting the efficacy of the products.

TRIAL DETAILS

Locations and Crop Management

Crop: POTATO (*Solanum tuberosum*)

Years: 2017-2019

Number of Trials: 11

Locations: Idaho, Michigan, Minnesota, Washington, Wisconsin

Data Source: Field Studies were conducted by third-party, independent researchers

Treatments:

1. Control (Grower Standard Practice)
2. Grower Standard Practice + BioPath

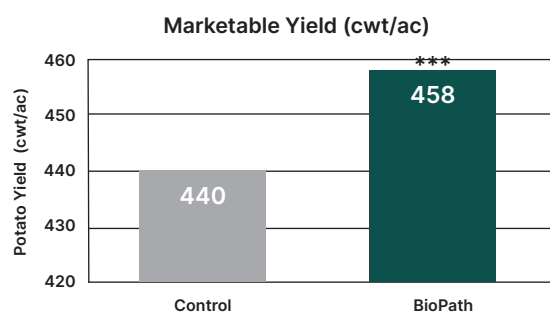
Cropping Conditions: Trial conformed to local cropping practices with conventional tillage

Application Rate: 32 fl oz/ac

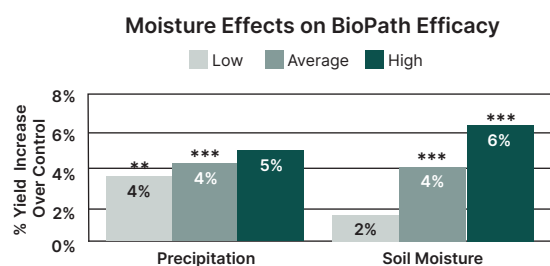
Application Method: In-furrow

Application Timing: At planting

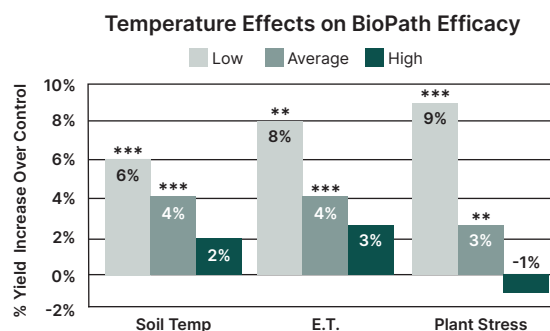
RESULTS



Marketable Yield includes U.S. #1 and #2 grade potatoes
***significant difference p<0.01



Significant difference p<0.05, *Significant difference p<0.01



Significant difference p<0.05, *Significant difference p<0.01
Plant Stress= Evapotranspiration (E.T.)/ Soil Moisture

SUMMARY

- BioPath applied at planting produces a significant increase in marketable yield.
- BioPath has a positive effect under all, but the most extreme environmental conditions.
- BioPath is most efficacious under cool, moist conditions.

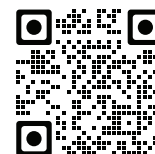
91%

WIN RATE. 10 OF 11 TRIALS HAD INCREASED YIELDS WITH BIOPATH TREATMENTS

18

CWT/AC INCREASE IN MARKETABLE YIELD

For the most up to date data in your region, scan this QR code.



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Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

For more information, go to croplife.com