



BROAD ACRE

BENEFITS OF USING BIOPATH

- Improved nutrient use efficiency – solubilization, uptake and utilization of applied fertilizer and nutrients in the soil bank.
- Enhanced root growth and plant vigor.
- Optimized yield potential and improved harvest quality.
- Inoculation is effective in a broad scope of environments (soil types and geographic regions).
- Ease of application – no special storage conditions and flexibility with application.

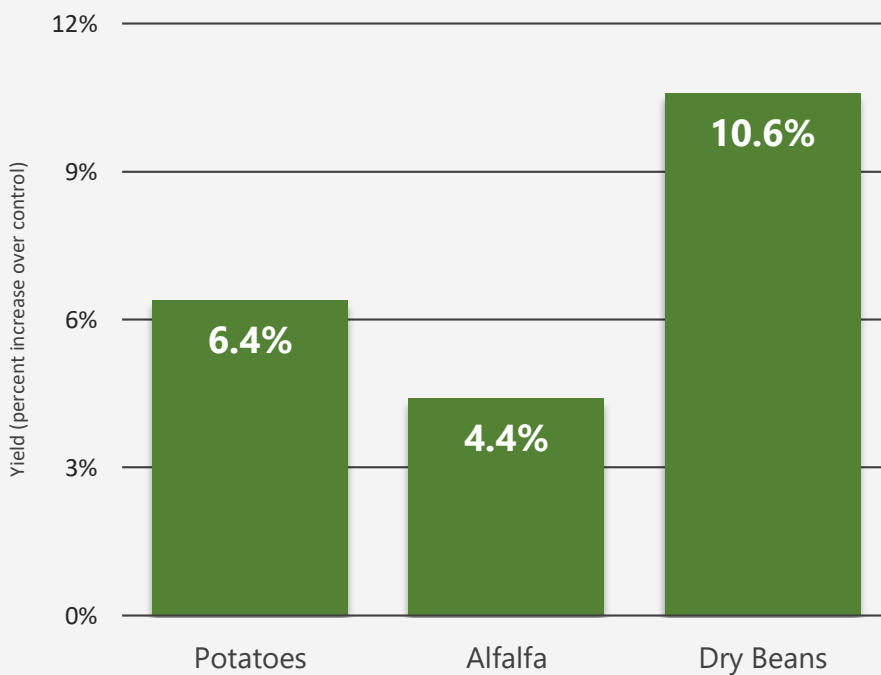
IMPROVED FERTILIZER USE EFFICIENCY AND PLANT GROWTH

BioPath is a microbial inoculant containing bioactives of PGPR – Plant Growth Promoting Rhizobacteria – that provide multiple modes of action for enhanced plant growth.

Nutrient uptake is improved by greater root volume and nutrient solubilizing enzymes and organic acids. This availability of key nutrients encourages optimal plant growth which can lend to greater leaf area, canopy development, and increased chlorophyll content.

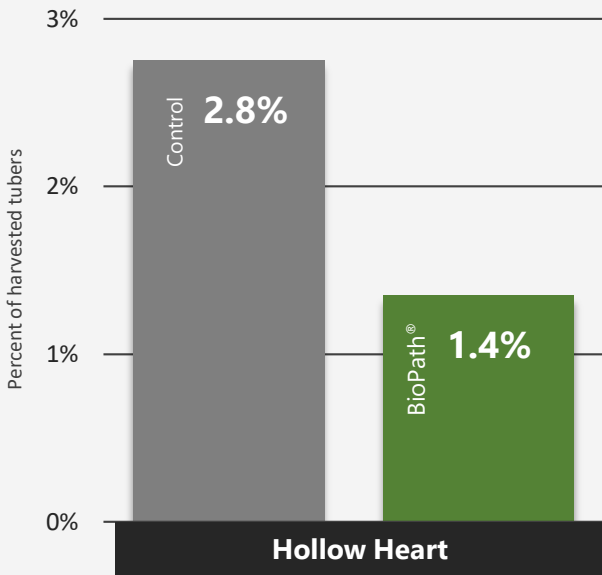
By improving fertilizer utilization and enhancing plant growth an exceptional ROI is realized – not just from the product itself, but with crop production inputs as a whole. As a result, growers optimize yield potential and are positioned to be more profitable.

BioPath optimizes yield potential



Results reflect average percent yield increase of 11 potato, 2 alfalfa and 4 dry bean independent third party research trials and grower demos conducted in Northeast, Midwest, and Pacific Northwest United States from 2015 to 2017. All treatments received grower standard fertility.

Improved crop quality



Results obtained from 2 potato (Russet var.) independent third party research trials conducted in Colorado and Wisconsin in 2016 and 2017. All treatments received grower standard fertility.

HOW BIOPATH® TECHNOLOGY WORKS

The bioactives in BioPath – *Bacillus subtilis*, *Bacillus methylotrophicus* and *Bacillus licheniformis* – produce enzymes and organic acids that improve the solubilization of fertilizer into plant available forms, and release bound nutrients.

Bioactives in BioPath also promote a more robust root system and plant vigor, improving nutrient and water uptake.

These combined modes of action provide consistent plant growth and nutrient use, lending to not only improved yield potential but harvest quality as well.

USE RECOMMENDATIONS

BioPath can be applied in-furrow, sidedress, topdress, broadcast or blended with liquid fertilizer. It is tank-mix compatible with most pesticides and nutrient solutions. Contact your distributor or Pathway BioLogic for a complete list of compatible products.

Crop	Starter / At Plant	Season
Potato	16 to 32 oz/ac	16 oz/ac at row closure
Alfalfa	16 to 32 oz/ac in spring	16 oz/ac after 1 st and 3 rd cuts
Dry Beans	32 oz/ac at plant	16 oz/ac 30 days after emergence
Sugar beets	16 oz/ac at plant or emergence	16 oz/ac at row closure

For more information about BioPath® and other Pathway microbial solutions visit our website at www.PathwayBioLogic.com or contact us direct:

Email: info@pathwaybiologic.com | Phone: 813-719-7284

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