



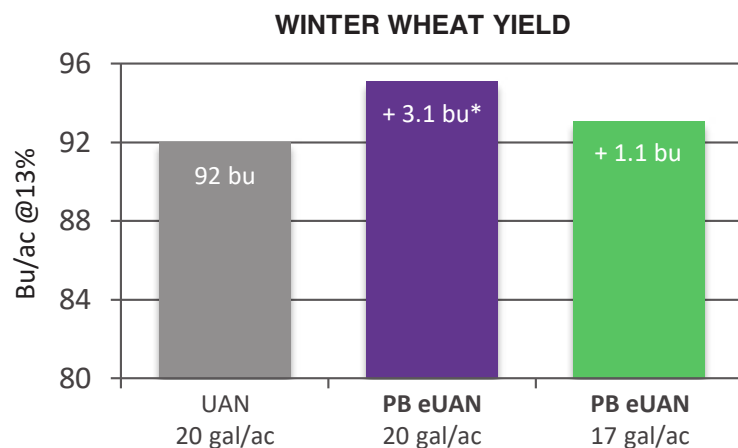
Research Focuses on Nutrient Use Efficiency

NEWS RELEASE

September 20, 2017 – For Immediate Release, Plant City, FL:

Pathway Biologic announces a new focus that is very much in line with the goals of the biological sector and agriculture at large. Recent research in strawberry and vegetable production has indicated that Pathway's current product line of plant growth promoting rhizobacteria have great potential to reduce the total nitrogen levels currently recommended for optimum fruit and vegetable production. Early studies have indicated reductions of 20% of total N may be possible when fertigation is employed with the addition of Pathway's product BioPath®.

Pathway builds products from pure cultures of Bacillus strains that have demonstrated superior genetic potential for the production of key enzymes, organic acids and metabolites. Utilizing pure culture strains removes much of the potential for variability associated with microbial products in the market place. Recent research in the Midwest on winter wheat shows significantly greater yield with Pathway Biologic enhanced UAN applied at a grower standard rate, and yield was maintained at a 15% reduced rate of PB eUAN.



Agri-Tech Consulting, Whitewater, WI – 2017. Planted: 10/15/16. All treatments received grower standard granular fertilizer 04/22/17. PB eUAN at 17 gal/ac equivalent to 15% reduced rate of UAN. Treatments applied topdress 04/20/17. Harvested 08/14/17. *Data significantly different vs. untreated at $P \leq 0.10$.

Research focus in 2018 will be to further validate potential N reduction capabilities of BioPath® and Pathway's next generation of products. Also, Pathway's Research and Development team will continue efforts on strain selection for increasing P availability. Improved nutrient use efficiency will allow for the reduction of fertilizer applications: important for the environment and the bottom line of producers.

###

Media Contact: Mandy Wettstein: mwettstein@pathwaybiologic.com, 352.406.0422

Smart Science,
Logical Results.

www.PathwayBioLogic.com
813.719.7284