



Next Generation biological for phosphorus use efficiency

OVERVIEW

BiOHP® is a microbial inoculant containing bioactives of PGPR – Plant Growth Promoting Rhizobacteria – that increases the availability of phosphorus and uptake of other key nutrients. It is formulated to be blended with liquid fertilizer or tank-mixed and applied in-furrow, sidedress or topdress.

FEATURES & BENEFITS

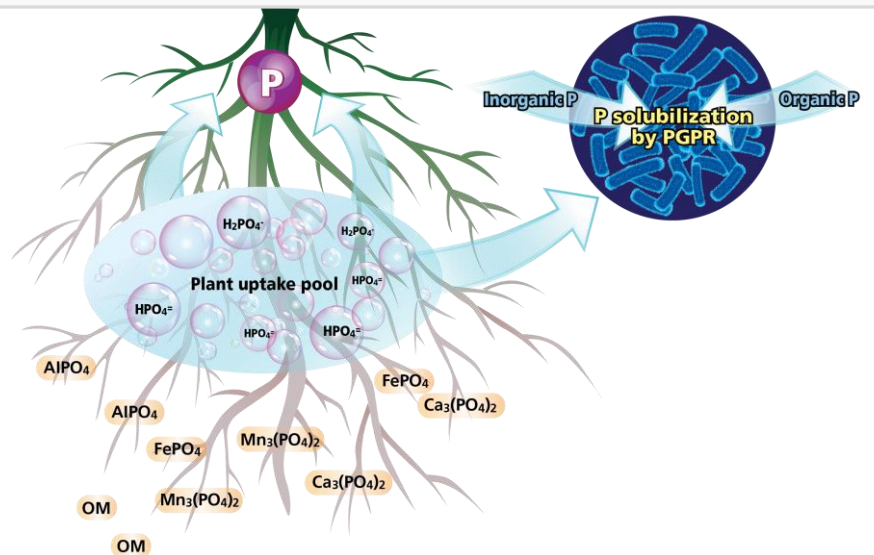
Benefits of Using BiOHP® in Crop Production:

- Increases bio-available Phosphorus level in the soil and improves nutrient uptake
- Optimizes conditions for plant growth and vigor
- Improves yield potential
- Improves ROI from fertilizer inputs
- Ease of application – tank-mix compatible with crop protectants and nutrient solutions

TECHNOLOGY AT WORK

How BiOHP® Technology Works:

1. The bioactives in BiOHP – *Bacillus tequilensis* and *Bacillus velezensis* – produce organic acids and enzymes that transform insoluble P to soluble forms that are plant accessible.
2. Increases in bioavailable phosphorus can provide expanded root volume, improving nutrient uptake.
3. This ultimately enables optimal plant growth and improved yield potential.





Product Profile

Mode of Action	<ul style="list-style-type: none"> Phosphorus solubilization and availability of other key nutrients.
Fertilizer Compatibility	<ul style="list-style-type: none"> Effective with a wide range of fertility solutions to include UAN, starter fertilizers and blends. Contact a Plant Response representative for a complete list of compatible fertilizers.
Active Ingredients – Proprietary PGPR strains	<ul style="list-style-type: none"> Bacillus <i>tequilensis</i> (5×10^7 cfu/mL) Bacillus <i>velezensis</i> (5×10^7 cfu/mL)
Formulation	<ul style="list-style-type: none"> Water based
Packaging	<ul style="list-style-type: none"> 2 x 2.5 gal case, 275 gal tote
Shelf life	<ul style="list-style-type: none"> 18 months from date of manufacture

Stand Alone Application

Starter	16 to 32 oz/acre
Sidedress or Topdress	16 to 32 oz/acre

Ingredient Solution

UAN @ 20 GPA	0.5% by volume
UAN @ 10 GPA	1% by volume
Starter @ 5 GPA	2% by volume
Starter @ 3 GPA	3.5% by volume