# Slingshot™

**A LIQUID CONSORTIUM OF 15 P/K-UNLOCKING, STRESS-MITIGATING, AND SOIL-BUILDING MICROBES FOR THE LIQUID PROGRAM – UNLOCKING 15-20% MORE OF THE PHOSPHORUS AND POTASSIUM ALREADY IN YOUR SOIL BY PROTECTING NEW FERTILIZER FROM TIE-UP AND MINING FROM PAST APPLICATIONS.**

Slingshot is the phosphorus-and-potassium play in the Pharmgrade portfolio – biology that protects fertilizer P and K from tie-up, activates soil-locked nutrients, and mines nutrients from previous applications for a 15-20% gain in fertilizer efficiency.

MICROBIALS

M

IMPROVES PHOSPHORUS AND POTASSIUM FERTILIZER EFFICIENCY

HGS






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## GUARANTEED ANALYSIS

### CONTAINS BENEFICIAL SUBSTANCES

Bacillus amyloliquefaciens.....1.26 x $10^6$ CFU/mL
Bacillus licheniformis.....7.20 x $10^5$ CFU/mL
Bacillus megaterium.....1.80 x $10^5$ CFU/mL
Bacillus pumilus.....5.40 x $10^7$ CFU/mL
Bacillus subtilis.....1.80 x $10^7$ CFU/mL
Bacillus polymyxa.....5.40 x $10^5$ CFU/mL
Bacillus mucilaginosus.....7.20 x $10^5$ CFU/mL
Bacillus firmus.....7.20 x $10^6$ CFU/mL
Lactobacillus acidophilus.....9.00 x $10^5$ CFU/mL
Lactobacillus casei.....1.62 x $10^6$ CFU/mL
Saccharomyces cerevisiae.....1.26 x $10^6$ CFU/mL
Trichoderma harzianum.....1.26 x $10^8$ CFU/mL
Trichoderma koningii.....5.40 x $10^8$ CFU/mL
Trichoderma viride.....1.80 x $10^5$ CFU/mL

## APPLICATION RATE

3 gal/ac

Enhances P&K Program: Microbial biology protects nutrients from tying up, activates soil- and fertilizer-bound phosphorus and potassium, and mines historically locked nutrients – delivering 15-20% improvement in fertilizer availability.

Multiple Secondary Benefits: The full consortium improves soil health, builds root zone colonization, reduces abiotic stress, and supports organic matter mineralization across the growing season.

Fits Any Dry Fertilizer Program: Formulated to be blended in dry fertilizer applications with no additional pass required.

## MICROBIAL PACKAGES

### MICROBIAL CONSORTIUM PACKAGE

**Composition: Multi-strain beneficial microbes**
**Definition: Fixes nitrogen, solubilizes phosphorus and potassium, and drives root development for improved nutrient availability and plant growth.**

## CROPS

Fits any crop program.

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