



Soil Applied

The Accomplish® line of products are innovative biochemical fertilizer catalysts designed for use with both liquid and dry fertility programs, significantly increasing fertilizer availability and improving overall plant performance. **Titan® PBA is specifically formulated for use with dry blends.**

TITAN PBA AND MICROESSENTIALS® SZ™ FEATURES AND BENEFITS:

- Improved nutrient availability and uptake, leading to increased yield potential
- Uniform nutrient distribution
- Enhanced nutrient use efficiency
- Better root growth and development
- Improved plant performance

Corn Seedling Study – Auburn University (2011)

MESZ = MicroEssentials SZ (12-40-0-10S-1Zn)

| Treatment | N (%) | P (%) | K (%) | Ca (%) | Mg (%) | S (%) |
|------------------|-------|-------|-------|--------|--------|-------|
| MESZ + Titan PBA | 3.82 | 0.78 | 0.85 | 0.85 | 1.35 | 0.31 |
| MESZ | 3.78 | 0.76 | 0.82 | 0.78 | 1.31 | 0.30 |

| Treatment | B (ppm) | Cu (ppm) | Fe (ppm) | Mn (ppm) | Na (ppm) | Zn (ppm) |
|------------------|---------|----------|----------|----------|----------|----------|
| MESZ + Titan PBA | 5.42 | 5.13 | 129.99 | 91.29 | 98.78 | 86.32 |
| MESZ | 4.46 | 4.19 | 185.62 | 75.50 | 85.18 | 83.08 |

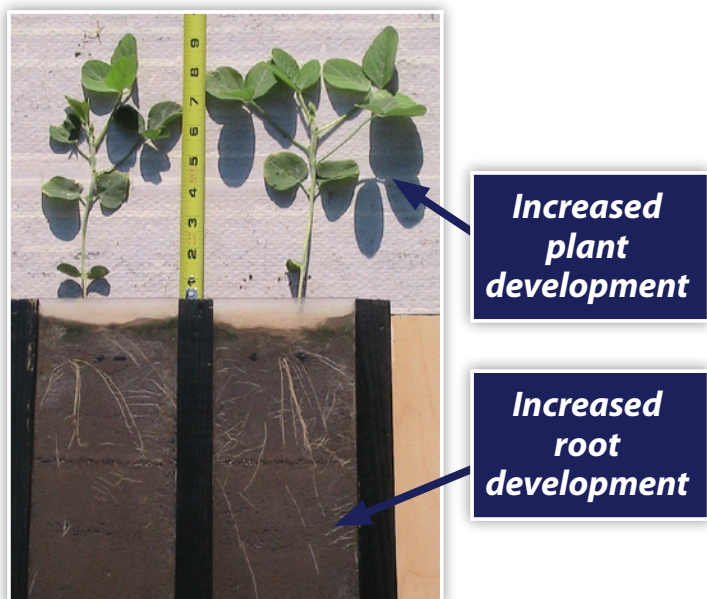
Root Analysis Comparison – Auburn University (2011)

MESZ = MicroEssentials SZ (12-40-0-10S-1Zn)

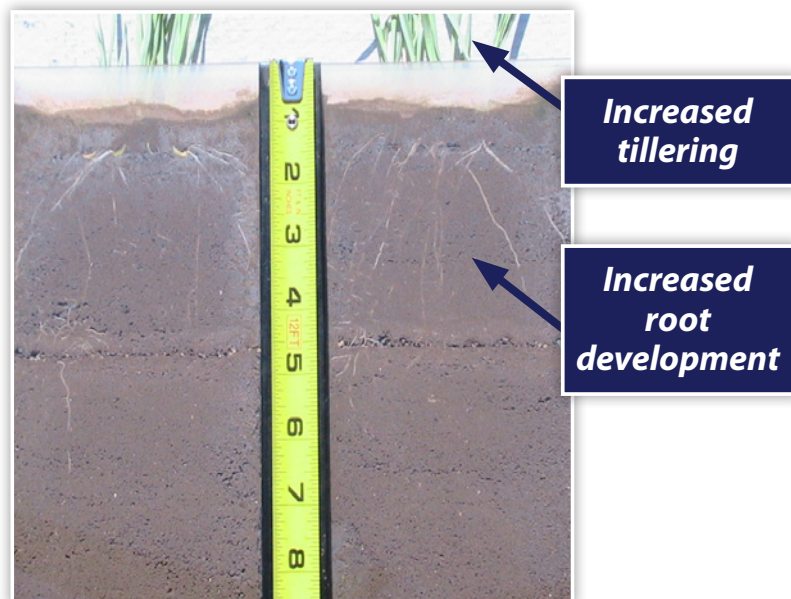
| Treatment | Dry Shoot wt (g) | Dry Root wt (g) | Root Length (cm) | Number of Root Tips |
|---------------------|------------------|-----------------|------------------|---------------------|
| MESZ + Titan PBA | 5.41 a | 0.91 a | 1134.7 a | 3304.2 a |
| MESZ | 5.42 a | 0.85 a | 951.7 b | 2338.9 b |
| LSD _{0.05} | 1.09 | 0.21 | 148.2 | 818.4 |

Titan PBA on Soybean and Wheat

Soybean – Rhizobox Study, Agricen (2011)



Wheat – Rhizobox Study, Agricen (2011)



Corn – University of Illinois (2012)

Titan PBA applied at 1 gallon per ton with 150 lbs MESZ (60 lbs P₂O₅) per acre

