

## Phosaxe Trial data from 2023:

Revolutionary Fertilizer Innovation: PhosAxe PUE Enhancer

### Product Overview:

PhosAxe represents a groundbreaking leap in fertilizer technology, specifically engineered for leveraging soil microbial functions to increase Phosphorus use efficiency or PUE. This innovative product uses the things phosphorous solubilizing microbes make to boost phosphorus uptake by an impressive 16%, at **half** the typical rate of starter phosphorus fertilizer. Known as Microbial metabolites, these chemistries can increase root growth and soluble phosphate in the rootzone right where the plant needs it when it needs it.

### Field Trial Results:

**Crop:** Potatoes

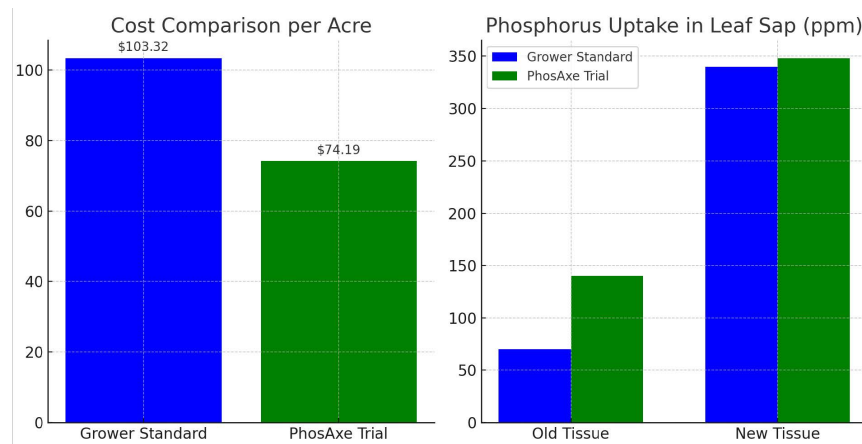
**Location:** Lethbridge, Alberta

**Plant Date:** April 28, 2023

**Test Date:** June 19, 2023, 50 DAP (Days After Planting)

### Outcomes:

- **Grower Standard:** 14 gallons per acre of 6-22-2 starter fertilizer, yielding leaf sap phosphorus levels of 70ppm in old tissue and 340ppm in new tissue, 50 DAP.
- **PhosAxe Treatment:** Only 7 gallons of 6-22-2 starter fertilizer combined with 1.385 Litres of PhosAxe per acre resulted in a remarkable increase in phosphorus absorption, with leaf sap phosphorus levels reaching 140ppm in old tissue and 348ppm in new tissue, 50 DAP.



The graphs above present a clear comparison between the traditional Grower Standard and the PhosAxe Trial in two key areas: financial costs and phosphorus uptake in leaf sap.

**Financial Impact: 2023 input pricing costs.**

- **Grower Standard Cost:** Using 14 gallons of 6-22-2 starter fertilizer incurs a cost of \$103.32 per acre.
- **PhosAxe Trial Cost:** A combination of 7 gallons of 6-22-2 starter fertilizer and 1.385 Litres of PhosAxe brings the total to just \$74.19 per acre.

**Savings:** This represents a substantial **28% cost saving per acre for 16% more phosphorus in the plant**, all while maintaining yields.

**Why Choose PhosAxe?**

- **Increased Efficiency:** PhosAxe's formula ensures that your crops utilize phosphorus more efficiently, leading to healthier growth and enhanced yield potential.
- **Cost-Effective:** By halving the need for starter fertilizer and adding PhosAxe, you not only improve your crop's health but also significantly reduce your fertilization costs.
- **Environmentally Friendly:** Lower volumes of fertilizer usage contribute to reduced environmental impact, aligning with sustainable farming practices.

**Get Ahead with PhosAxe:**

Don't miss out on the opportunity to transform your yields while saving on costs. PhosAxe is more than a fertilizer; it's an investment in your farm's future, leveraging scientific innovation for better crops and higher profits. Embrace the future of modern farming today with PhosAxe.

**Contact Us:**

For orders and more information, please contact our technical team at 1-888-959-8986.

**Note:** This sell sheet is for informational purposes only. Please consult with a Crop Growth Sciences representative for detailed application instructions and to confirm compatibility with your specific farming practices.