

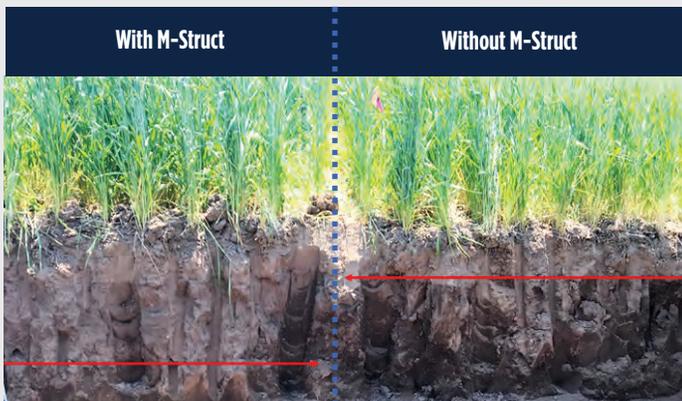


# Strong Roots Now = Strong Yields Later

PHOSPHORUS FERTILIZER ENHANCEMENT ADDITIVE

Keep applied phosphorus more plant available longer

- A blend of exclusive complexing agents designed to help protect applied phosphorus fertilizers and drive nutrient use efficiency.
- M-Struct™ improves nutrient efficiency, establishes larger roots earlier, and ultimately increases access to soil moisture.
- Specialized and diverse organic acids stimulate root growth and generate striking positive visual and yield responses, both in research and on the farm.



Increased phosphorus uptake early leads to larger roots and deeper mining for soil moisture.

## 6-8% average yield increase

Data collected comparing treatments with varying M-Struct and phosphorus rates as compared to Regional Standards; applied in furrow and deep banded.



M-Struct: 114 potatoes, 55 lbs

Regional Standards: 100 potatoes, 50 lbs



1 gal M-Struct + liquid fertilizer mix fall-applied on Alfalfa

Regional Standards

START. FEED. FINISH



# YIELD 3D™

Your pathway to optimal farm profitability

# FREQUENTLY ASKED QUESTIONS

## What causes phosphorus applications not to be accessible by crops?

There are two major forms of phosphorus in the soil – organic and inorganic. PNW soils tend to have low levels of the organic phosphorus that is produced from decaying plant materials. Supplementing with inorganic phosphorus is initially plant available, however, ammonium phosphate in soil rapidly disassociates by binding, or tying up with clay particles and other elements.

## How does M-Struct improve phosphorus use efficiency?

An estimated 60-80% of phosphorus is bound or tied up with clay particles and other elements like aluminum, manganese, iron, and calcium. M-Struct protects and maximizes your phosphorus investment by providing a place for phosphorus to bind that remains plant available longer.

## What are the critical demand periods for phosphorus?

Phosphorus needs to be available very early in the crop's life to ensure maximum yield gains and returns on your fertilizer investment, but it remains critical to the plant throughout the entire growing season. Early in the season phosphorus enhances root and shoot growth, while later in the season phosphorus impacts grain fill and quality. Access to well-placed phosphorus is one of the best ways to see improvements in fall tillering, winter hardiness and deep fibrous root growth.

## What are the results of using M-Struct?

Yield gains have ranged from 5-15 bu/ac in dryland wheat depending on the current phosphorus management strategies in place. In both research and on the farm, results show a striking visual early season response in increased root growth, plant vigor, and spring green-up.

### Guaranteed Analysis

Total Nitrogen (N)	8%	Ammoniacal Nitrogen
Available Phosphate (P O )	24%	
Sulfur (S)	1%	
Zinc (Zn)	0.25%	Chelated Zinc
<i>Derived from: Ammonium Phosphate, Ammonium Sulfate, Zinc EDTA, Molasses</i>		

Notes

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The power of **M⚡STRUCT** is striking

Premium Plant Nutrition



[www.mcgregor.com](http://www.mcgregor.com)