

CROP  
NUTRIENT

# M-STRUCT

YOUR BELOW GROUND PHOSPHOROUS USE EFFICIENCY SOLUTION  
➔ STRONG ROOTS NOW = STRONG YIELDS LATER ➔

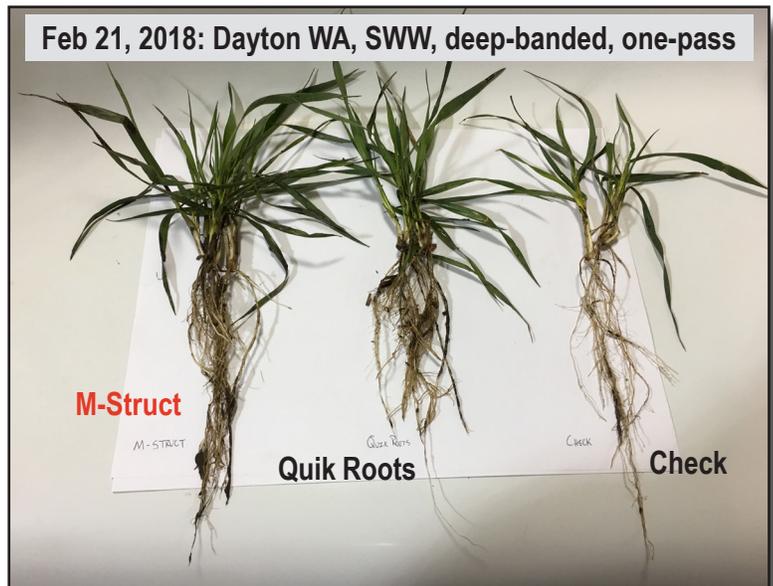
**M-Struct** is a McGregor exclusive blend of amino, humic and fulvic acids combined with highly refined carbon sources.

**M-Struct** was developed to meet the unique needs of crops grown in the Pacific Northwest.

**M-Struct** improves phosphorous input efficiency by providing a place for P to bind that remains plant available - preventing tie-up in extreme pHs & cool soil temps.

**M-Struct** gets crops off to a quick and robust start with unmatched positive visual and yield responses.

**M-Struct** is an EXCELLENT foundation product to build high performance blends tailored to maximize yield goals on your farm.



## M-Struct

by the numbers:

Over last **3** years...  
in **15** locations...  
...across **25** trials

average *yield increase* of

# 5+ bu/ac

Data collected 2015-2017 comparing treatments with varying M-Struct and phosphorous rates while all other nutrients held to the same rates; applied in furrow and deep banded.

TMC Product Information



The McGregor Company - 401 Colfax Airport Rd - PO Box 740 - Colfax, WA 99111  
800-873-8666 - [www.mcgregor.com](http://www.mcgregor.com)

Oct-2018

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**Q: How does the proprietary blend of organic acids in M-Struct protect phosphorous?**

A: The organic acids provide  $P_2O_5$  a place to bind that remains plant available instead of tying up on clay particles.

**Q: What forms of phosphorous fertilizer can M-Struct be used with?**

A: Any liquid poly, ortho, or blended phosphorous source will gain from the addition of M-Struct.

**Q: What are the recommended application methods?**

A: M-Struct improves efficiency of P-uptake and is recommended anytime P is applied. Apply directly in-furrow, deep-banded, or with additional P fertilizers to create a high performance blend.

**Q: Why does soil pH matter to phosphorous use efficiency?**

A: In soil pH levels under 6.0, phosphorous gets tied up by aluminum and iron. In soil pH levels above 8.0, phosphorous ties up with calcium. M-Struct provides phosphorous a place to bind that remains plant available.

**Q: When are the critical demand periods for phosphorous?**

A: Phosphorous is required throughout the growing season for early season root and shoot growth and also for late season grain fill and quality. P and Zn are the nutrients required most by the crop in early season; getting crops off to a fast start with a solid root foundation.

## DIRECTIONS FOR USE:

**M-Struct** should be soil applied.

**M-Struct** is seed safe and can be applied in-furrow (direct or close contact with seed).

**M-Struct** is well suited for deep banded, knifed, Ripper-Shooter, no-till-drill & in-furrow applications.

**8-24-0**

### Guaranteed Analysis

Total Nitrogen (N).....	8.00%
8.00% Ammoniacal Nitrogen	
Available Phosphate ( $P_2O_5$ ).....	24.00%
Zinc (Zn).....	0.25%
0.25% Chelated Zinc	

Derived from: Ammonium Phosphate, Urea, Ammonium Nitrate, Zinc EDTA, Molasses

**Density: (68°F) 11.00 lbs/gal**

## USE RATES AND GUIDELINES:

Minimum Use Rate: 0.5 gal/acre

Maximum Use Rate: 10 gal/acre

**Recommended Use Rate: 1 to 2 gal/acre**

*Always jar test new mixes for compatibility.*



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