



Biocatalyst  
Technology

# TITAN<sup>®</sup>

## XC

**Fertilizer biocatalyst  
specifically formulated for use  
with dry fertilizer blends**

*Release More Nutrition. Expect More Results.*

### **BENEFITS:**

- **Increases nutrient availability and uptake**
- **Enhances nutrient use efficiency**
- **Promotes better root growth and development**

## **Get More from Every Dry Fertilizer Application**

Titan XC is an innovative fertilizer biocatalyst that is specifically formulated for impregnation on dry fertilizer blends. It contains concentrated biochemistry that helps growers get more out of their applied P & K fertilizers by increasing nutrient availability and enhancing root growth and function.

## **Maximize Nutrient Availability and Uptake**

By accelerating the breakdown of treated dry fertilizers and helping to convert organic nutrients into inorganic, plant-available forms, Titan XC makes nutrients more available for plant uptake and utilization, leading to increased plant and root growth and providing outstanding ROI. Growers who incorporate Titan XC into their programs often see improved yield responses and increased fertilizer efficiency, year after year.

Titan XC is effective across a broad range of plant and soil types and can be easily incorporated into any conventional production practice that employs dry fertilizers, without requiring product-specific equipment or a special trip across the field.

## Unlock Applied Nutrients

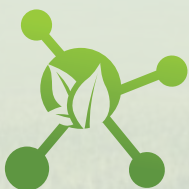
Titan XC changes the way that dry fertilizer responds to soil. By “unlocking” applied nutrients, it makes them available more quickly, so that more of them get absorbed by plant roots.



## **Innovative Biocatalyst Technology from Loveland Products**

Titan XC is distributed by Loveland Products through Nutrien Ag Solutions. Please visit [lovelandproducts.com](http://lovelandproducts.com) or speak to your local Nutrien Ag Solutions branch for more information or to purchase this technology.

### **Fertilizer Biocatalyst Technology**



Biocatalyst  
**Technology**

Titan XC is a biocatalyst that increases fertilizer availability, promotes nutrient mineralization to increase existing nutrient availability, and supports root growth through biochemical reactions with the plant.

# How It Works

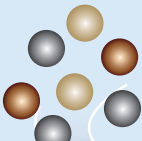
## Untreated Dry Fertilizer

## Dry Fertilizer Treated with

**TITAN<sup>®</sup>**  
XC

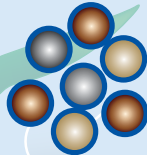
1

Untreated fertilizer applied to soil



1

Dry fertilizer treated with Titan XC applied to soil



2

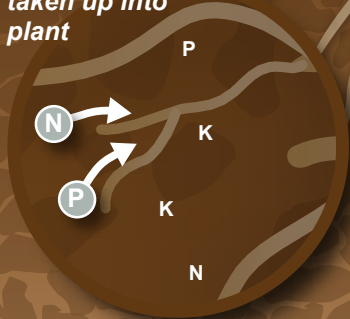
Titan XC accelerates the breakdown of dry fertilizer

Less breakdown of dry fertilizer

2

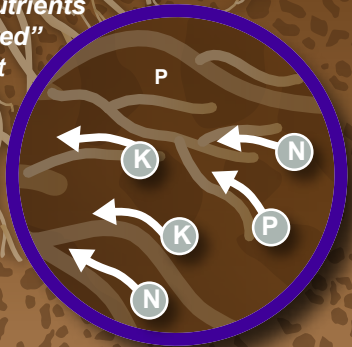
3

Fewer nutrients taken up into plant



4

More nutrients "captured" by plant



3

More nutrients available sooner



## At a Glance

Application	<ul style="list-style-type: none"><li>• Dry fertilizer impregnation</li></ul>
Target nutrients	<ul style="list-style-type: none"><li>• Broad spectrum</li></ul>
Functioning components	<ul style="list-style-type: none"><li>• Concentrated biochemistry</li></ul>
Primary mode of action	<ul style="list-style-type: none"><li>• Increases mineralization and availability of nutrients in dry fertilizer blends</li></ul>
Features	<ul style="list-style-type: none"><li>• Effective in a wide variety of soil types &amp; across different crops</li><li>• Compatible with P &amp; K fertilizers, MESZ, MES, pell lime, sulfate of potash, ammonium sulfate &amp; gypsum</li><li>• Shelf stable</li></ul>



## Uses and Rates

Dry Fertilizer	Recommended Rate
Phosphate (MAP 11-52-0, DAP 18-46-0, MES, MESZ) blends, potassium blends, sulfate of potash (SOP), ammonium sulfate (AMS), pell lime, gypsum and blends with urea	16-32 oz/ton

## Contact Your Nutrien Ag Solutions Retailer

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