

FertiCoat

THE ULTIMATE FERTILIZER COATING

- ▼ Improve fertilizer efficiency
- ▼ Reduce dust
- ▼ Reduce leaching
- ▼ Coat trace elements on to fertilizer



Omnia Specialties, Inc.
2255 Sheridan Blvd, Ste 209,
Edgewater, CO. 80214



 omniausa.org

 +1 800 760-8402

What is FertiCoat

A high concentrate of humic acid derived from Australian leonardite, blended with seaweed (*Durvillaea potatorum*) and proprietary polymers.

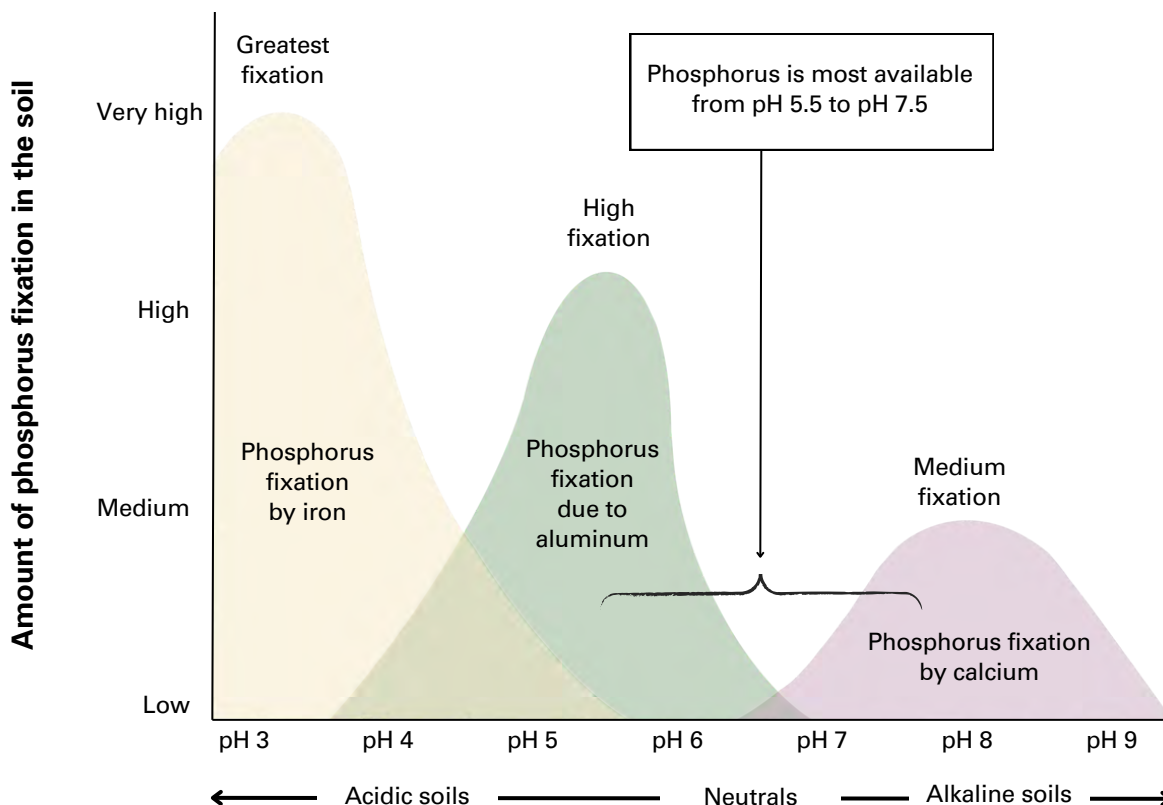
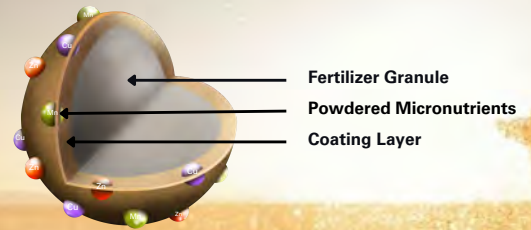
FertiCoat differentiates and adds value to the quality of fertilizers in addition to:

- ▶ Improving nutrient use efficiency
- ▶ Reducing caking in storage
- ▶ Rapid drying on to fertilizer
- ▶ Adhering micronutrients uniformly to every fertilizer granule

Why FertiCoat

- ▶ **Improves nutrient use efficiency by:**
 - Increasing nutrient retention
 - Reducing fixation of phosphorus
 - Reducing the volatilization of nitrogen by coating urea (the negative charges on the carboxyl groups of the HA can bind to NH_3^+ leading to slower release of ammonium)
- ▶ **Improves root growth**
- ▶ **Improves yield**

Coating micronutrients on granular fertilizers



Adapted from the Soil Fertility Manual, 23rd Edition. The Fertilizer Institute, 2019.

- At high pH, humic acids complex with soil Ca, and P remains available in the soil solution.
- At low pH, humic acids protect P from retention with Fe & Al.



How to apply FertiCoat:

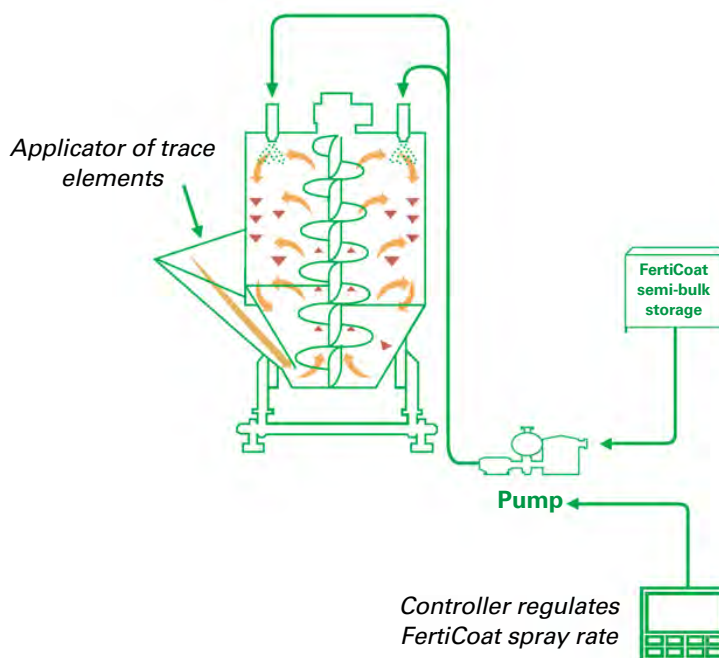
FertiCoat can be applied to granules with a variety of fertilizer equipment, for example:

- Screw auger or conveyor
- Drum granulator and drier
- Vertical drum blender
- Ribbon blender
- Horizontal drum blender

Available in 265 gal shuttle or liquid bulk disposable bladders.

The FertiCoat application system

Double spray jets for good coverage

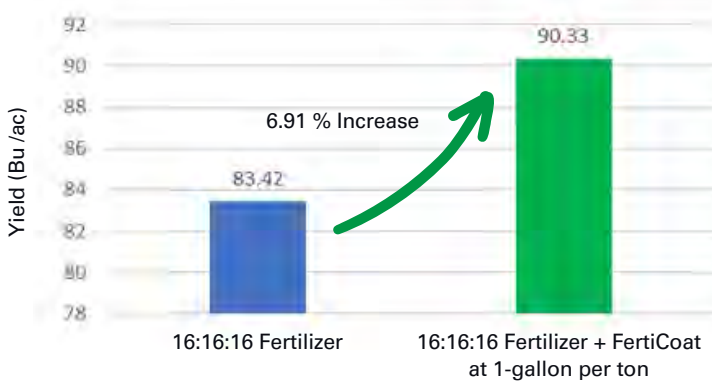


Caution: FertiCoat should not be applied to fertilizers containing high levels of nitrate. (Please discuss with an Omnia representative).

Trials

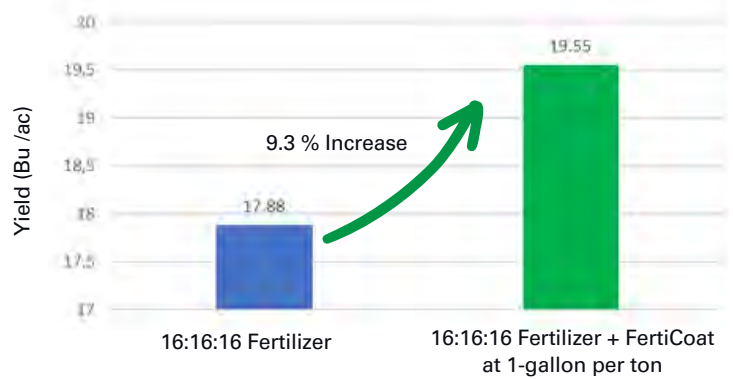


Wheat Yield Assesment with FertiCoat Study by Deepak at MACS Pune (ARI), India



Wheat trial in India: The yield increased by 6.91 % with wheat treated with the fertilizer 16:16:16 coated with FertiCoat at 1 gal / ton.

Onion Yield Assesment with FertiCoat Study by Deepak at NHRDF, Nasic



Onion trial in India: The yield increased by 9.3 % with onion treated with the fertilizer 16:16:16 coated with FertiCoat at 1 gal / ton.



Untreated Urea



Treated Urea



Untreated 16:16:16



Treated 16:16:16



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