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TILL-IT®

WIRED™ SULFUR MAX

Season-Long Sulfur
Fast Dispersion and Activation with Sulfur & Humic Acid

What is it?

- Provides sulfur and enhances the rhizosphere at the same time with extracted, available humic acid.
- PURIC technology-releases sulfur faster
- Provides season-long sulfur by converting elemental sulfur to plant-available sulfate.

Benefits

- 1 85% elemental sulfur + 4% humic acid packed into a high-quality homogenous pastille
- 2 Increase porosity and soil structure with humic carbon
- 3 Enhance nutrient use efficiency and provide soil sulfur
- 4 Promotes protein and oil content

GUARANTEED ANALYSIS

Sulfur (S)85.00%

DERIVED FROM: Elemental Sulfur.

ALSO CONTAINS NON-PLANT FOOD INGREDIENT:
4.00% Humic Acids derived from Sub-Bituminous Coals.

F2544

Product Description



- TILL-IT WIRED SULFUR MAX is sulfur bentonite, loaded with extracted humic carbon for FAST release, making a 0-0-0-85S with 4% HA in homogenous pastilles. It is OMRI listed.
- Contains PURIC Technology – The equiv. of 40 gallons of PURIC MAX per ton

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Value Proposition

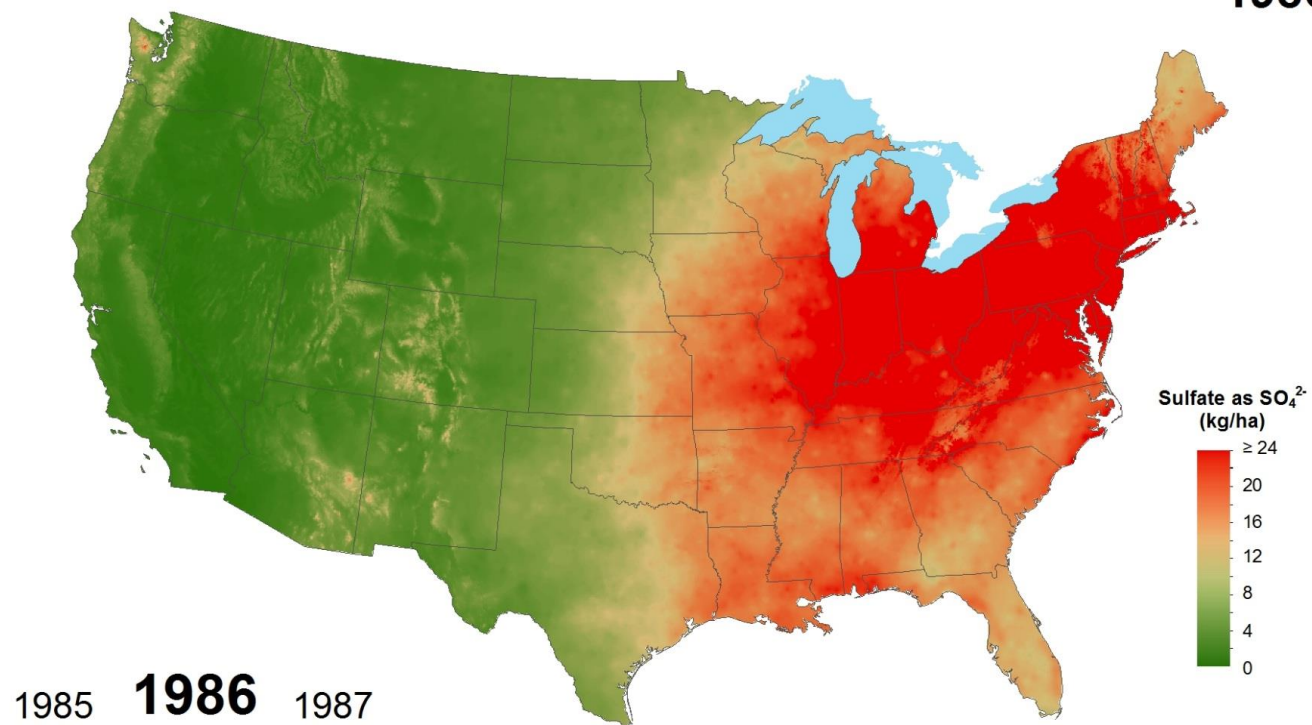


Product Overview



- Sulfur is a continuous need, and will be required more in the future
- Immediate release: better nutrient uptake & charge the rhizosphere
- Elemental sulfur is slowly available – with PURIC, it releases faster, creating more surface area and availability for *Thiobacillus*, the bacteria creating SO_4
- Sulfur needs are increasing every year as deposits from energy production are cleaned up. That means your crop needs are increasing, too, every year and all season long. **TILL-IT® WIRED™ SULFUR MAX** provides sulfur and enhances the rhizosphere at the same time with extracted, available humic acid.

Sulfate ion wet deposition 1986

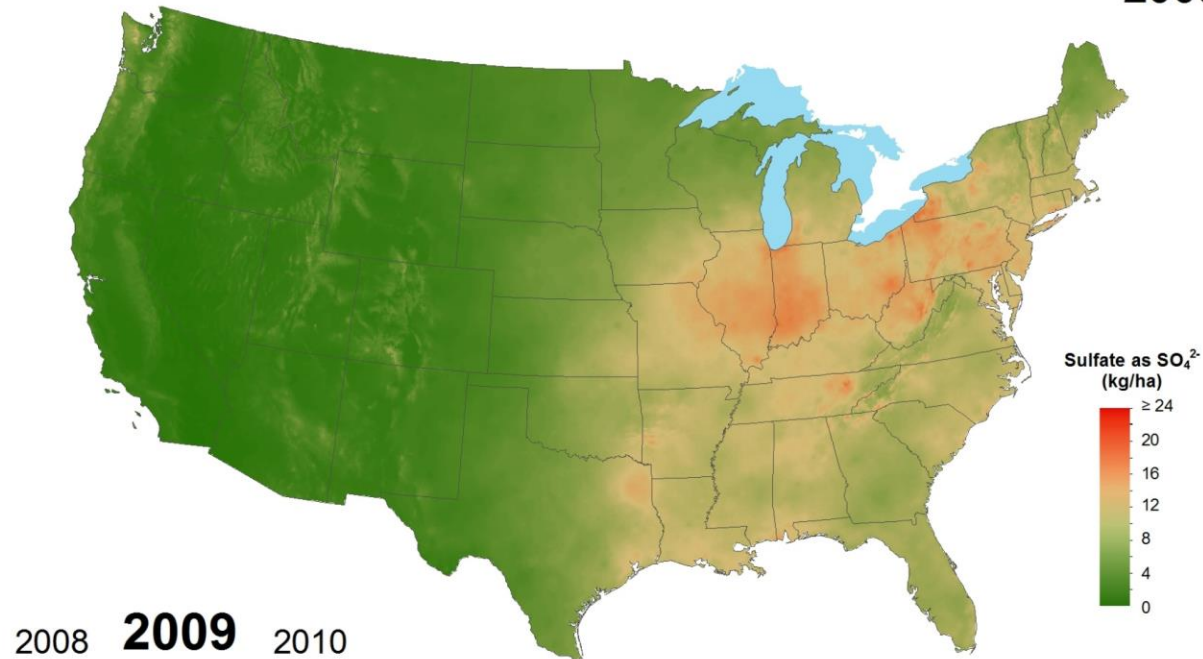


Sulfur Deposits

In some areas, fields could receive over 20 lbs. per acre of sulfur each year thanks to atmospheric deposits

National Atmospheric Deposition Program/National Trends Network
<http://nadp.isws.illinois.edu>

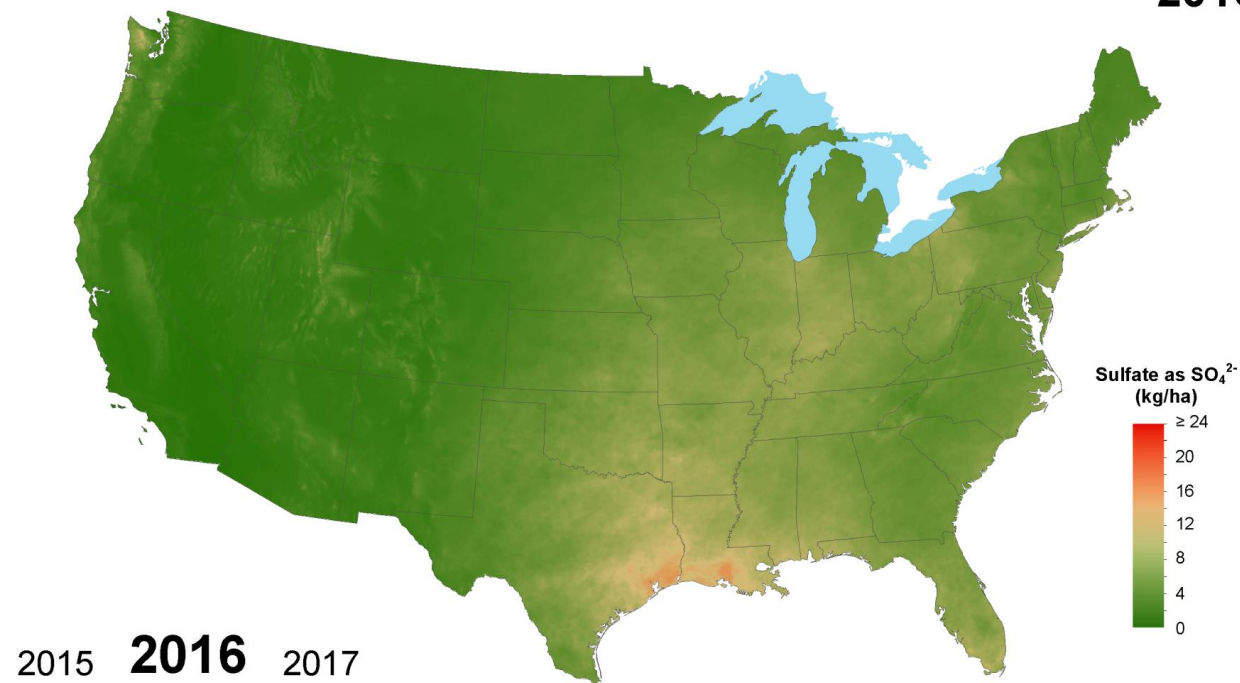
Sulfate ion wet deposition 2009



National Atmospheric Deposition Program/National Trends Network
<http://nadp.isws.illinois.edu>

As we cleaned up fuels, energy sources, and powerplants the amount of sulfur deposited dropped significantly.

Sulfate ion wet deposition 2016



National Atmospheric Deposition Program/National Trends Network
<http://nadp.srh.wisc.edu>

Soils with less than 4% OM, that are well drained or very poorly drained, will generally respond to sulfur applications

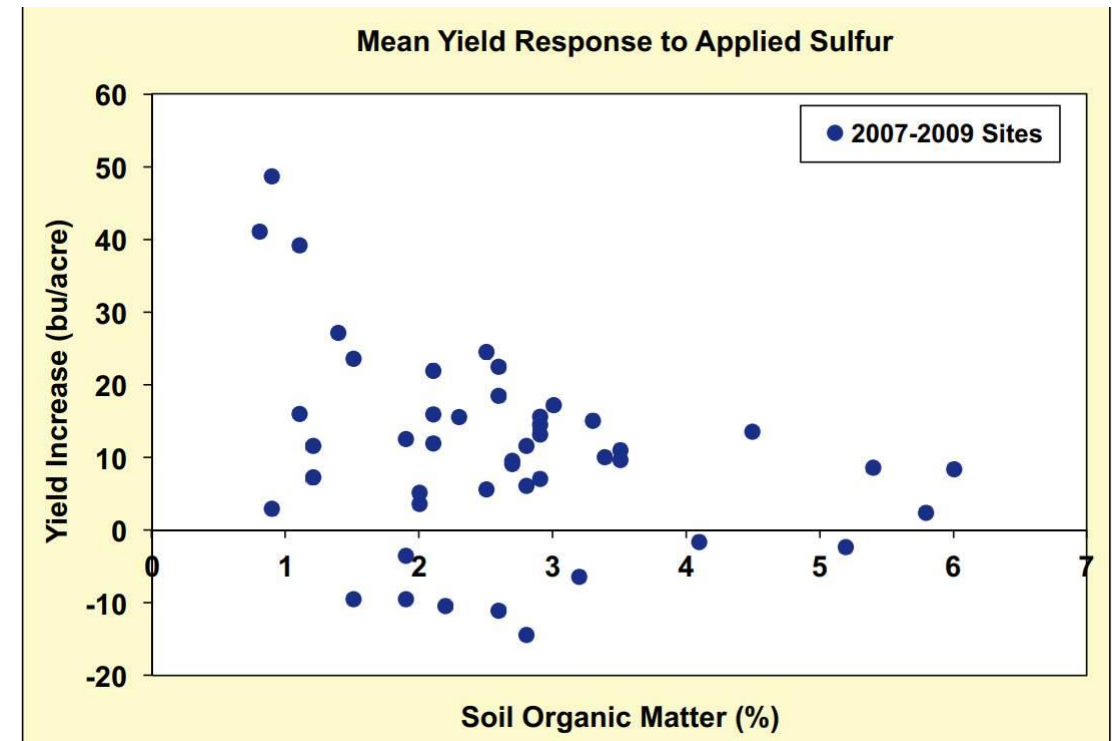
These same soils will benefit from humic acid applications.

Going forward, there will be a sulfur deficit on most fields with growing higher yields, better hybrids, and more sources of clean energy. This is our opportunity for guidance.

Assessing Sulfur Needs



- Soil Type and OM%, Manure applications
 - 1% OM will release 3-6 lbs. of sulfur a year
 - CS ratio of 400:1 will immobilize S in the soil, while 200:1 releases it
- Water quality – Can contain SO_4
- Soil Test is unreliable – Tissue testing is best
 - In-season assessments



Value Proposition



Benefits and Applications	
Replace AMS & Fall applied soil sulfur	Benefits of Humic Acid Carbon
Build the rhizosphere with both sulfur and humic acid carbon.	High CEC – 300-600 meq
Faster release into the soil than other elemental sulfur products	Modify soil structure
Can replace cake sulfur, sulfur bentonite, and pre-plant AMS with a premium carbon-based homogenous pastille.	Increase water holding capacity
This application is similar to how we apply phosphate	Enhance rhizosphere and microbial growth
	Drive the C:N & C:S ratio, in the rhizosphere
	Augment and enhance soil amendments ability

Positioning



- Positioning here
- Top 3 Call Outs

Data



Focus Crops



- Row Crops

When should it be used?

- **Preplant or Early Season as a Broadcast or Band**
 - What are the sulfur needs of the crop? Is this for S, or an amendment?
- **Continuous use like NPK**
 - Replace S taken off by crops

How to use?

- **Use prior experience, tissue test, and soil type**
 - Yearly applications are best, preplant.
 - 1% OM will release 3-6 lbs. of sulfur a year, and a CS ratio of 400:1 will immobilize S in the soil, while 200:1 releases it.

Packaging



- BULK LB – 268118
- 2000 LB – 268119

Support Materials



[Product Webpage >](#)



TILL-IT® SERENE™-S

TILL-IT® SERENE™-S provides sulfur balanced with UAN & the nutrient use fluency of fulvic acid, ensuring your nitrogen stays where your crops need it most.

FEATURES

- Clear formation for sight gauge visibility
- Added sulfur to maximize nitrogen efficiency for protein production
- Contains PURIC carbon technology, which increases nutrient uptake, root mass, soil buffering capacity, water holding capacity, and, most importantly, potential yield
- Apply TILL-IT SERENE-S in a broadcast, band, dribble, Y-drop, or through fertigation (Wilbur-Ellis recommends incorporation within 3 days when applying TILL-IT SERENE-S)

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