



**IT'S ALL ABOUT
THE PLUS**

2018 SUL4R-PLUS® Trial Results
Highlighted Summary - SOYBEANS



SUL4R-PLUS®



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Macronutrients



Micronutrients



Delivers Calcium, Sulfur, Zinc,
Boron, and other nutrients

100% plant-available nutrients
when crops need them

Every granule contains the nutrients

Uniform particle size and density
for consistent blending and spread

120' spread capability

More granules per square foot for
even feeding

Dust free handling

Low salt index

Phosphorus free

Formulation flexibility

Lower operating costs

Free sample

SUL4R-PLUS.COM



SUL4R-PLUS® Fertilizer:

Delivers Calcium, Sulfur with
options for Zinc, Boron, and
other nutrients

100% plant-available nutrients
when crops need them

Every granule contains the nutrients

Uniform particle size and density
for consistent blending and spread

120' spread capability

More granules per square foot
for even feeding

Dust free handling

Low salt index

Phosphorus free

Formulation flexibility

Lower operating costs



It's all about the PLUS.



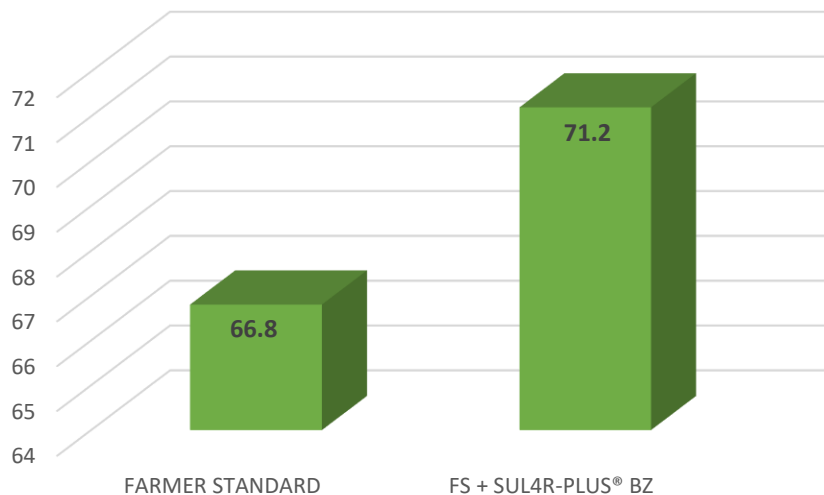
2018 SUL4R-PLUS® Soybean Trial Results



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WILLIAMSBURG, IN 2018 SOYBEAN TRIAL
YIELD BU/AC



Key Points:

- Addition of Calcium, Sulfur, Boron and Zinc contribute to yield and increased gross revenue per acre.
 - SUL4R-PLUS® B+Z – **\$39.60** more per acre.
- SUL4R-PLUS® Fertilizer advantages:
 - Homogeneous granule.
 - Superior spread and dust free.

Treatment	Yield Bushels/Acre	Gross \$/AC @ \$9.00/BU	Gross \$/AC Difference
FARMER STANDARD	66.8	\$ 601.20	
FS + SUL4R-PLUS® BZ	71.2	\$ 640.80	\$ 39.60

Date	Treatment	Ca %	S %	B ppm	Zn ppm
6/25/2018	CK-FS	0.99	0.27	36	25
6/25/2018	FS+SUL4R-PLUS® BZ	1.05	0.3	43	31
8/20/2018	CK-FS	2.5	0.23	44	33
8/20/2018	FS+SUL4R-PLUS® BZ	2.81	0.24	43	43

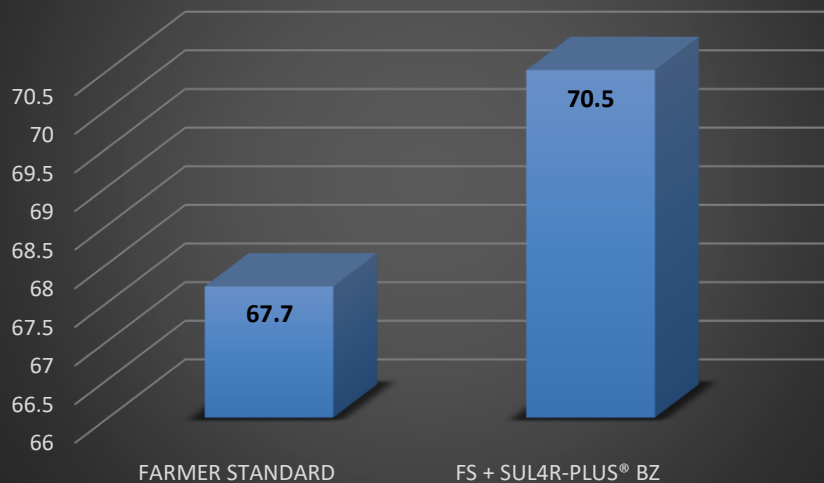
2018 SUL4R-PLUS® Soybean Trial Results



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LARUE COUNTY, KY 2018 SOYBEANS TRIAL YIELD BU/AC



Key Points:

- Addition of Calcium, Sulfur, Boron and Zinc contribute to yield and increased gross revenue per acre.
 - SUL4R-PLUS® B+Z – \$25.20 more per acre.
 - Additional margin potential \$5.00 to \$10.00 per acre—results from added cost of AMS, foliar nutrients and additional application charges.
- SUL4R-PLUS® Fertilizer advantages:
 - Homogeneous granule.
 - Superior spread—Dust Free.
 - Tissue sampling on 8-23 at R6 (full reproductive) stage demonstrated the importance of even timely feeding of micronutrients—demonstrated in yield and verified by tissue analysis.
 - Good fertility in field, due to proper grower management—replacing AMS and foliar micronutrients—did not surpass the attributes of applying SUL4R-PLUS® B+Z.

2018 Soybean Tissue Analysis

Date	Treatment	Ca %	S %	B ppm	Zn ppm
8/23/2018	CK-FS + AMS	2.33	0.27	57	37
8/23/2018	FS+SUL4R-PLUS® BZ	2.29	0.29	62	40

Treatment	Yield Bushels/Acre	Gross \$/AC @ \$9.00/BU	Gross \$/AC Difference
FARMER STANDARD	67.7	\$ 609.30	
FS + SUL4R-PLUS® BZ	70.5	\$ 634.50	\$ 25.20



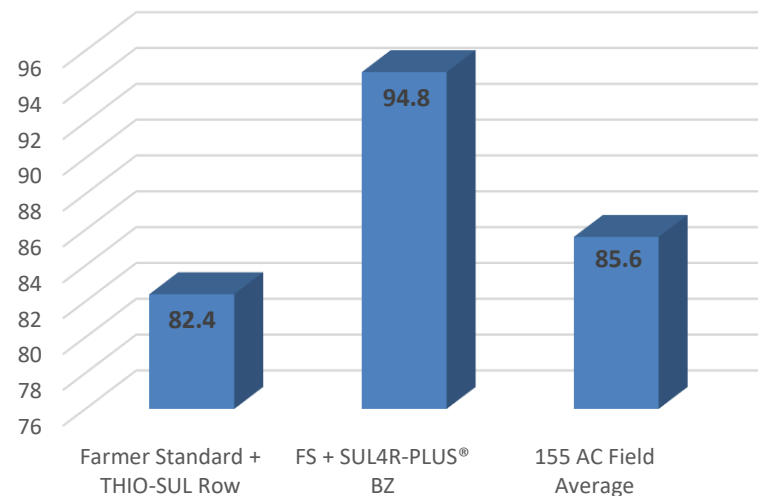
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Key Points:

- Addition of Calcium, Sulfur, Boron and Zinc contribute to yield and increased gross revenue per acre.
 - SUL4R-PLUS® B+Z – **\$111.60** more per acre.
 - Plant Population—110,000 per acre.
 - 155 Acre Field Average—85.6 BU/AC.
- SUL4R-PLUS® Fertilizer advantages:
 - Homogeneous granule.
 - Superior spread, dust free and ease of use.

NORTHEAST INDIANA 2018 SOYBEAN TRIAL
YIELD BU/AC



2018 SOYBEAN Tissue Analysis

Date	Treatment	Ca %	S %	B ppm	Zn ppm
6/11/2018	CK-FS-THIO-SUL Row	1.11	0.38	35	66
6/11/2018	FS+SUL4R-PLUS® BZ	1.39	0.35	34	79
8/20/2018	CK-FS-THIO-SUL Row	1.35	0.29	31	26
8/20/2018	FS+SUL4R-PLUS® BZ	1.5	0.32	39	34

PRODUCT	YIELD BU/AC	GROSS \$/AC @ \$9.00/BU	GROSS \$/AC DIFFERENCE
Farmer Standard + THIO-SUL Row	82.4	\$ 741.60	
Farmer Standard + SUL4R-PLUS® BZ	94.8	\$ 853.20	\$ 111.60
154 AC Field AVERAGE YIELD	85.6	\$ 770.40	\$ 28.80



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Wallonia, KY Soybean Trial

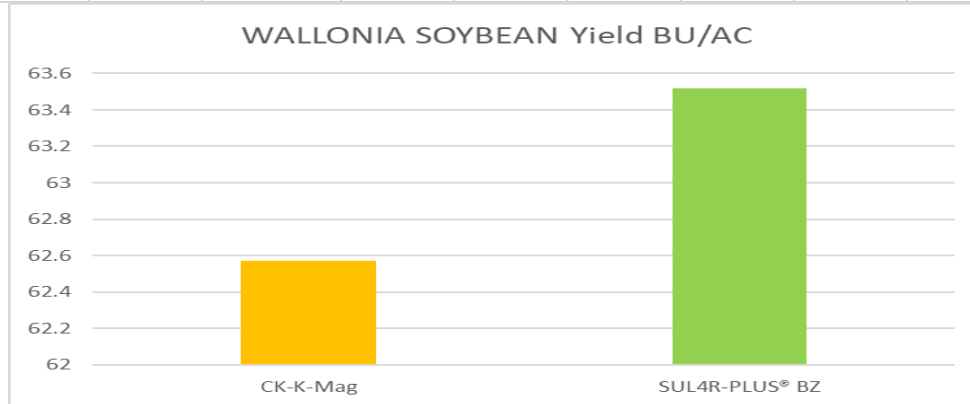
Key Points:

- **SUL4R-PLUS® B+Z vs K-Mag.**
 - Both SUL4R-PLUS® B+Z & K-Mag applied in October 2017.
 - 8 replications-alternating 90' swaths.
 - Tissue analysis reveals nutrient availability during growing season after fall application of SUL4R-PLUS® B+Z.
 - 1 bushel yield difference.
 - Notice the increase in Potassium (K) uptake with SUL4R-PLUS® B+Z vs K-Mag; a K nutrient supplier.

- **SUL4R-PLUS® Fertilizer advantages:**
 - Homogeneous granule.
 - Superior spread, dust free and ease of use.
 - Additional margin potential \$5.00 to \$10.00 per acre—results from added cost of K-Mag.

Wallonia Tissue Analysis

DATE	PLOT	CROP STAGE	N %	K %	Ca %	S %	Mg %	B ppm	Zn ppm
6/19/2018	CK	R5	5.46	1.5	1.24	0.33	0.5	45	52
6/19/2018	BZ	R5	6.13	1.66	1.31	0.37	0.49	49	54
7/31/2018	CK	R5	5.92	1.39	1.69	0.37	0.48	39	47
7/31/2018	BZ	R5	6.7	1.47	1.38	0.39	0.36	45	38



PLOT	YIELD BU./AC	GROSS \$/AC @ \$9.00/BU	GROSS \$/AC DIFFERENCE
CK	62.57	\$ 563.13	
BZ	63.52	\$ 571.68	\$ 8.55

SUL4R-PLUS® Field Success



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SUL4R-PLUS® Product Engineered to maximize the value of your crop.

New SUL4R-PLUS product is an innovative, in-demand pelletized sulfate proven to enhance soil quality and increase crop yields.

- High solubility for immediate impact
- Maximizes nutrient uptake for stronger crops
- Spreads evenly in one pass, saving time and money
- Market leader in quality and consistency

Growers everywhere are talking about the next big thing in nutrient optimization—SUL4R-PLUS product.

Proven to
increase
crop yields