



**IT'S ALL ABOUT  
THE PLUS**

**SUL4R-PLUS® Fertilizer**  
**Additional 2019 Field Trial Results**



# Morse, Louisiana 2019 Rice Trials



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- SUL4R-PLUS treated area (46 acres) out yielded the Grower Standard by 40 bu/acre and the competitor product by 59 bu/acre.



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## **Honey Crisp Apples**

Yield increase of ` 40.4 ton per acre versus the grower standard of 32.2 ton per acre with decreased incident of bitter pit, increased fruit brix (sugar), increase fruit pressure (better storage), slight decrease in fruit size, increases in leaf nutrient content.

## **Almond**

Initial reports indicate an increase in yield of approximately 300 lbs per acre versus the grower standard and material increase in nut size

## **Sugar Beet**

Increase in marketable yield of 2.7 tons per acre with increased fruit quality (sugar content).

## **Potato**

Increase in marketable yield by 22 cwt per acre and increase in storage quality through 10% decrease in Hollow Heart.

## **Tomato**

Increase in marketable yield with increase of nutrient levels in developing fruit.

# SUL4R-PLUS®: FIELD TRIAL

R&D: 3<sup>rd</sup> Party 2019

Honeycrisp Apples



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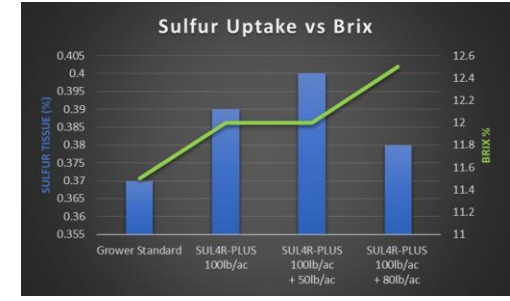
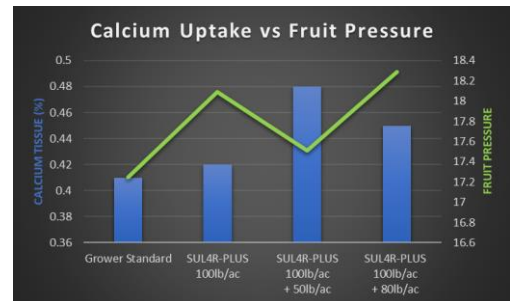
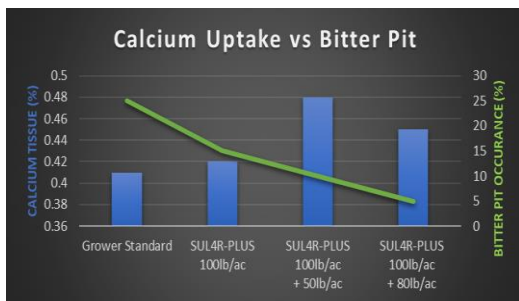
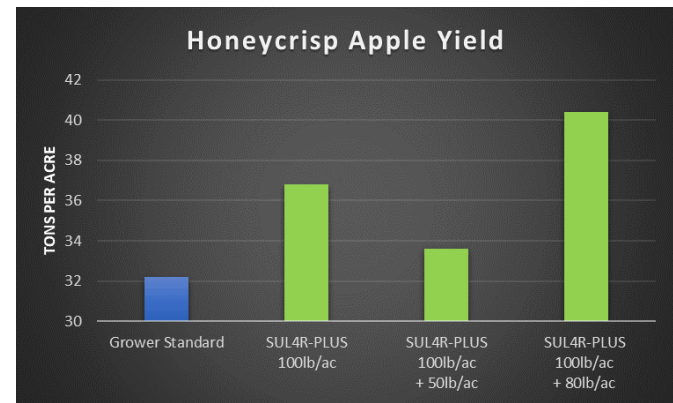


Grower Standard

Sul4R Plus 100 lb/a

Sul4R Plus 100 lb/a  
+ 80 lb/a

Sul4R Plus 100 lb/a  
+ 50 lb/a



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R&D: 3<sup>rd</sup> Party 2019

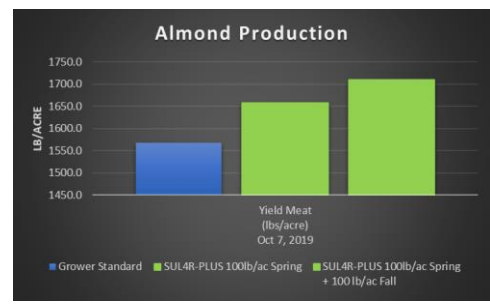
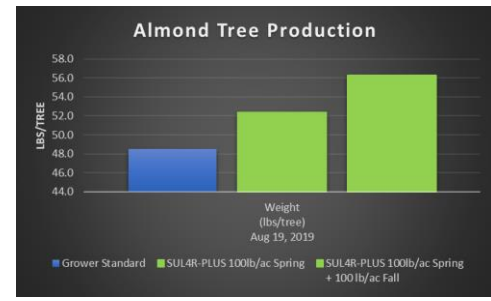
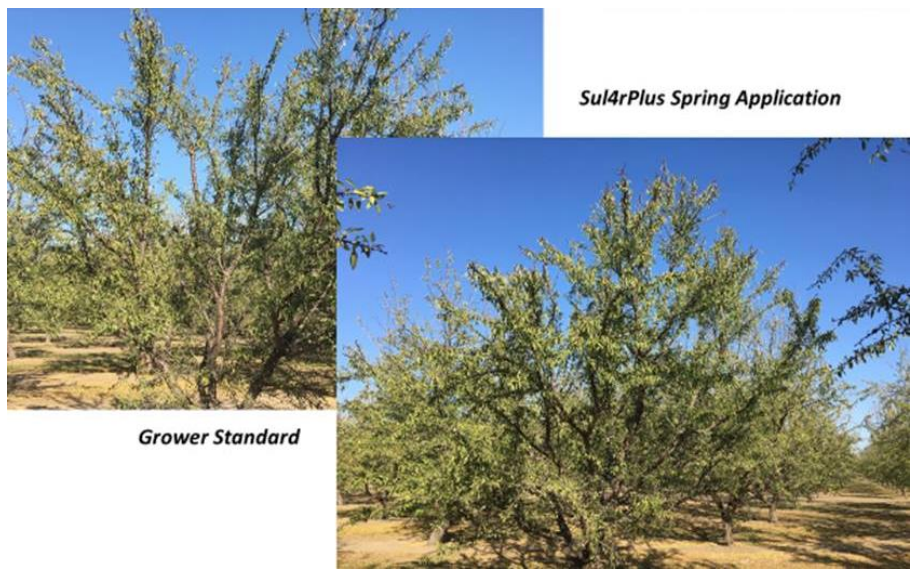
Almonds



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- Yield increase of 300 lb/acre
- 7-8% increase in shoot length and flush



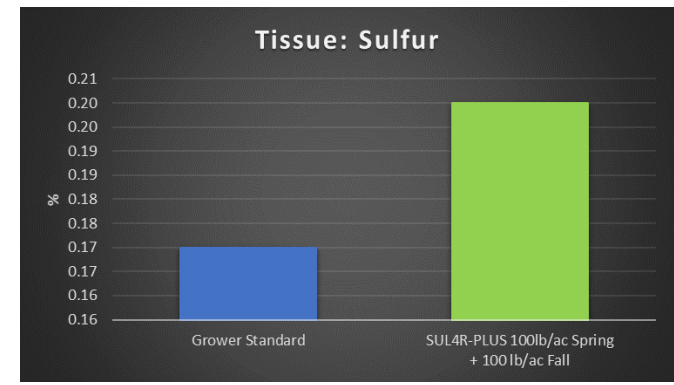
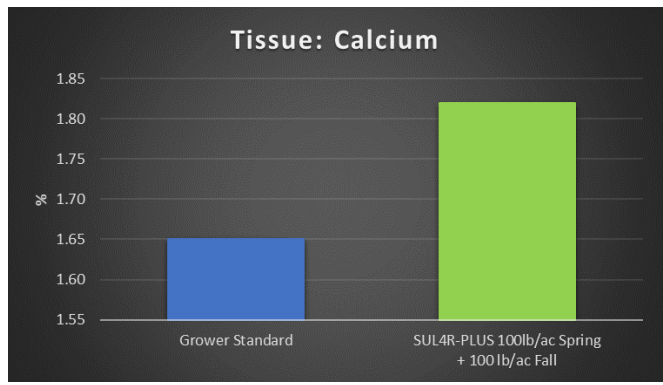
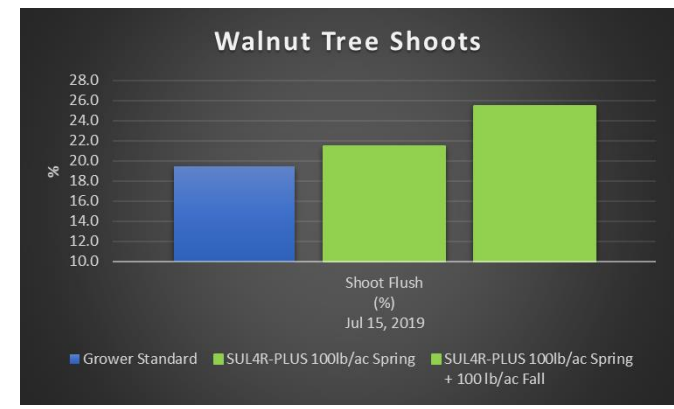
# SUL4R-PLUS®: FIELD TRIAL

R&D: 3<sup>rd</sup> Party 2019

Walnuts



- 10% increase in shoot length
- 30% increase in shoot flush
  
- Increase in Calcium and Sulfur uptake



# SUL4R-PLUS®: FIELD TRIAL

R&D: 3<sup>rd</sup> Party 2019

Potato



Grower Standard  
AMS base  
14% Hollow Heart



SUL4R-PLUS®  
5% Hollow Heart



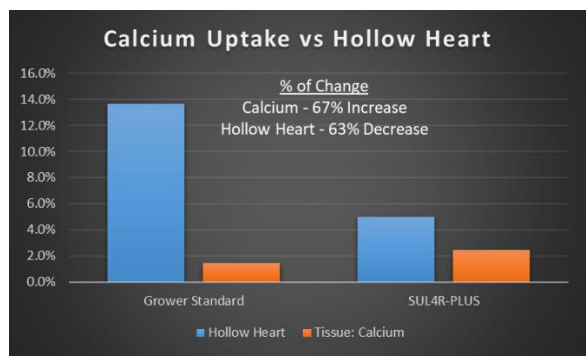
## 2019 Idaho Rexburg

32 cwt Increase



## 2019 Idaho Russet Burbank

22 cwt Increase



# SUL4R-PLUS®: FIELD TRIAL

R&D: 3<sup>rd</sup> Party 2019

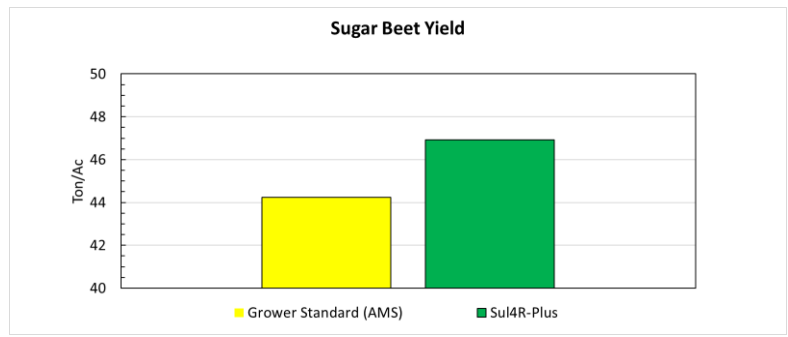
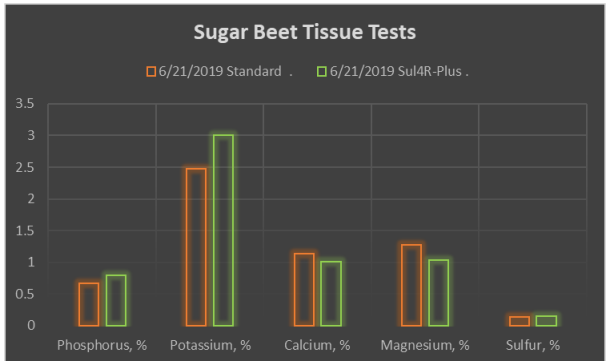
Sugar Beet



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- Yield increase of 2.7 ton/acre
- **Sugar Content-** 14.3% in GS vs 14.7% in SUL4R-PLUS
- Increase in P & K tissue





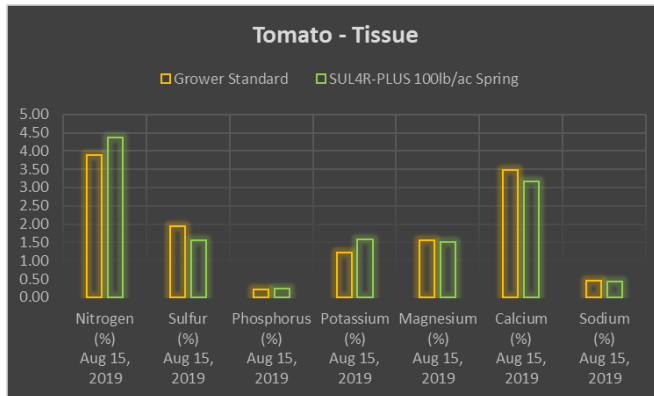
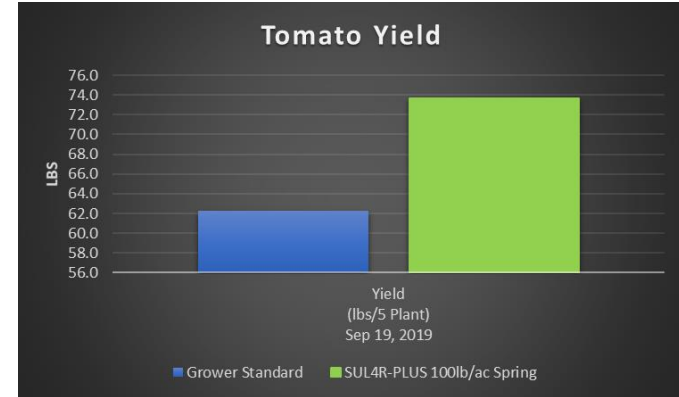
# SUL4R-PLUS®: FIELD TRIAL

R&D: 3<sup>rd</sup> Party 2019

Tomato



- Yield increase of 2.28 b/plant
- Increased Fruit Set
- Increase in N, P, & K tissue



# SUL4R-PLUS®: FIELD TRIAL

R&D: 3<sup>rd</sup> Party 2019

Alfalfa

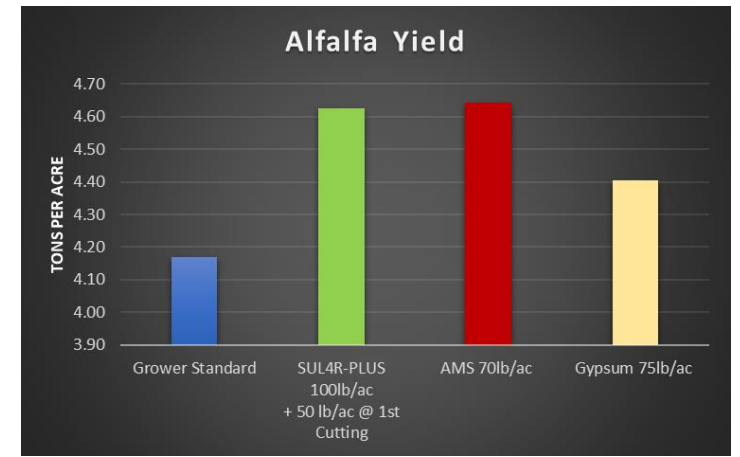


- Low Sulfur field
- New alfalfa setting
- Picture of 1<sup>st</sup> Cutting

Trt No.	Type	Treatment Name	Form Type	Description	Rate	Rate Unit	Appl Code	Appl Description
1	FERT	GS (12-14-14-7Mg)	G	12-14-14-7 Mag	420	lb/a	A	At Planting
2	FERT	GS (12-14-14-7Mg)	G	12-14-14-7 Mag	420	lb/a	A	At Planting
	FERT	Sul4Plus	G		100	lb/a	A	At Planting
	FERT	Sul4Plus	G		50	lb/a	B	After First Cutting
3	FERT	GS (12-14-14-7Mg)	G	12-14-14-7 Mag	420	lb/a	A	At Planting
	FERT	Sulfate 21-0-0-24	G		70	lb/a	A	At Planting
4	FERT	GS (12-14-14-7Mg)	G	12-14-14-7 Mag	420	lb/a	A	At Planting
	FERT	Gypsum	G		75	lb/a	A	At Planting



**Grower Standard**     
 **Grower Standard & 100 lbs. Sul4rPlus**     
 **Grower Standard & 75 lbs. AMS**     
 **Grower Standard & 75 lbs. Gypsum**



# SUL4R-PLUS®: FIELD TRIAL

R&D: 3<sup>rd</sup> Party 2019

Sugar Cane



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AMS



SUL4R-PLUS