



Wheat Trial Data

UAS

Unified Ag Solutions





PhycoTerra®

Wheat ROI

Proven by 3rd Party (CRO/University) Trials

Location and Details	Southern Plains (Spring Wheat)	Glyndon, MN (Spring Wheat)	Toronto, SD (Spring Wheat)	Pomeroy, WA (Spring Wheat)	Colfax, WA (Winter Wheat)	Grangeville, ID (Winter Wheat)	Hassel, NC (Winter Wheat)*	Kenansville, NC (Winter Wheat)*	Burgaw, NC (Winter Wheat)*
Soil Type	Unknown	Loam	Clay Loam	Silt Loam	Silt Loam	Silt Loam	Sandy Loam	Sandy Loam	Sandy Loam
Rate per Application (oz/CWT)	1	2	2	4	4	4	5	5	5
# of Applications	1	1	1	1	1	1	1	1	1
Additional Marketable Yield (bu/acre)	+2.6	+6.0	+1.7	+3.0	+7.8	+5.7	+4.5	+2.0	+7.0
Additional Value (\$/acre)	+\$13.65	+\$51.04	+\$6.31	+\$24.42	+\$63.22	+\$46.51	+\$22.24	+\$9.84	+\$34.44
ROI	17:1	31:1	5:1	4:1	22:1	16:1	4:1	2:1	6:1

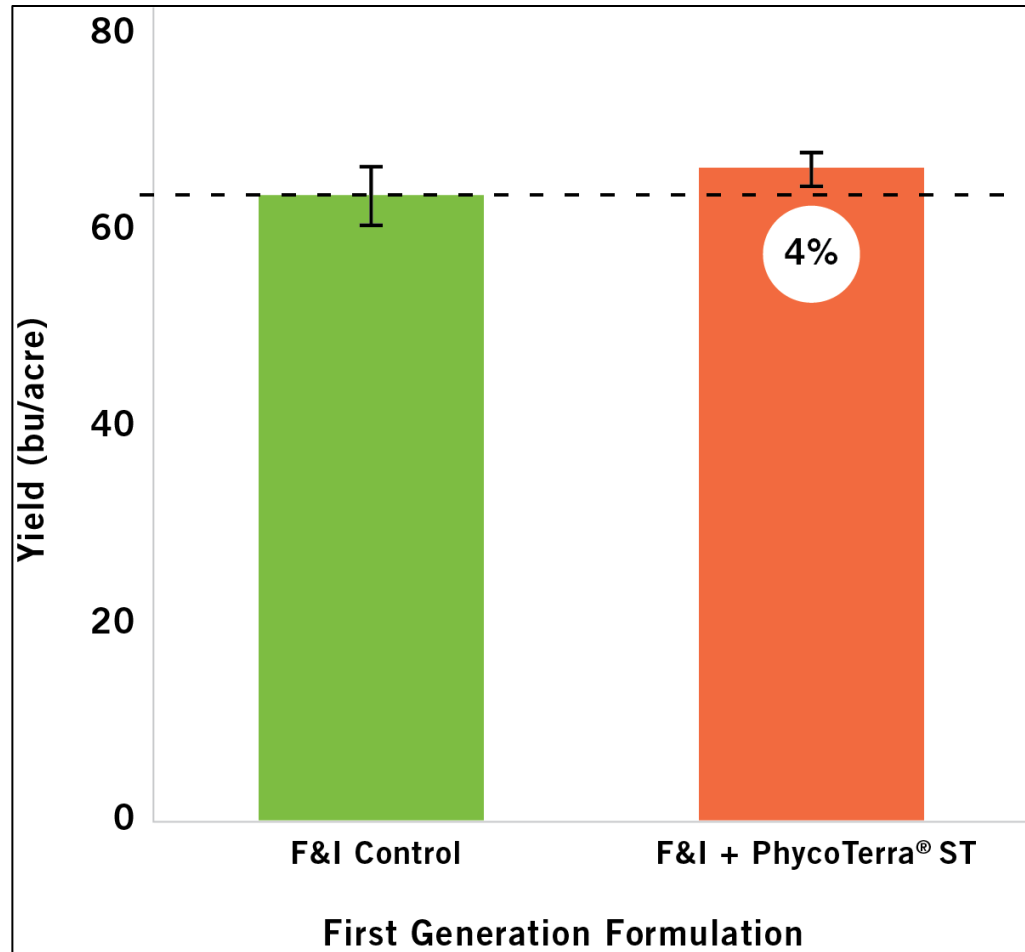
*Grower trial



PhycoTerra® **ST**

Spring Wheat

Trial Location: **Southern Plains**



SOIL TYPE:

Unknown

APPLICATION RATE:

PhycoTerra® ST (1 fl oz/CWT)

ORGANIC MATTER:

Unknown

APPLICATION TIMING:

Applied in seed coating

VARIETY:

Croplan

TRIAL INFO:

3rd Party CRO

PLANTING/HARVEST INFO

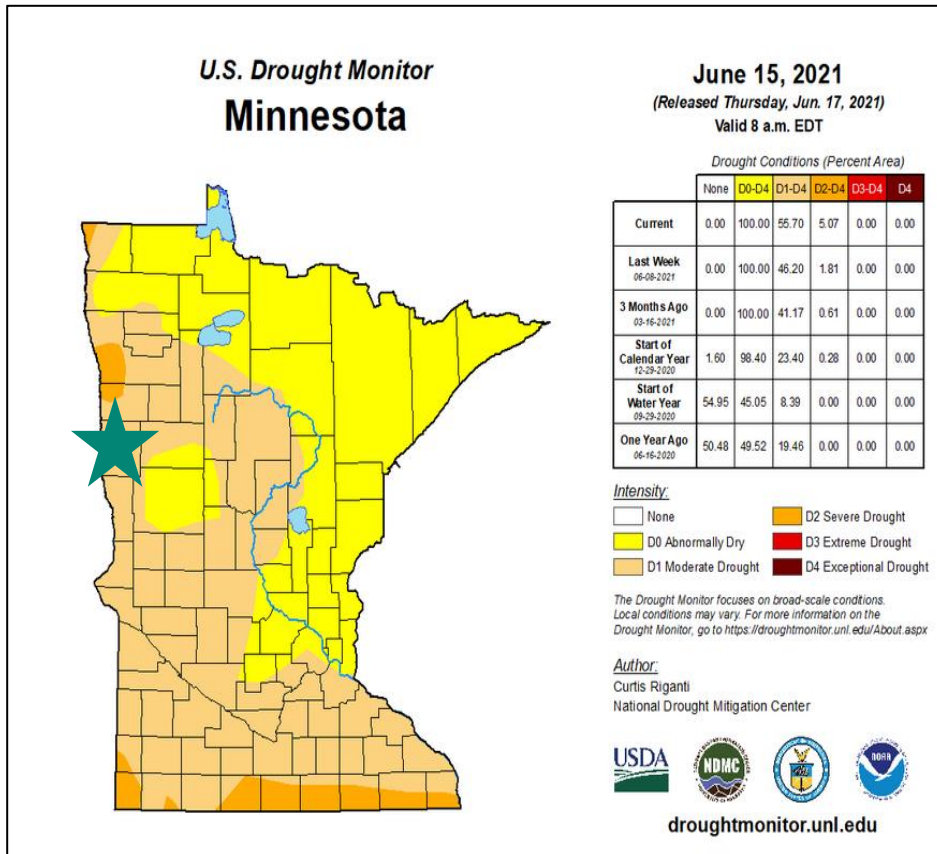
Unknown

*Error bars represent 90% Confidence Interval, Significance tested using LSMeans Dunnett ($\alpha=0.1$)

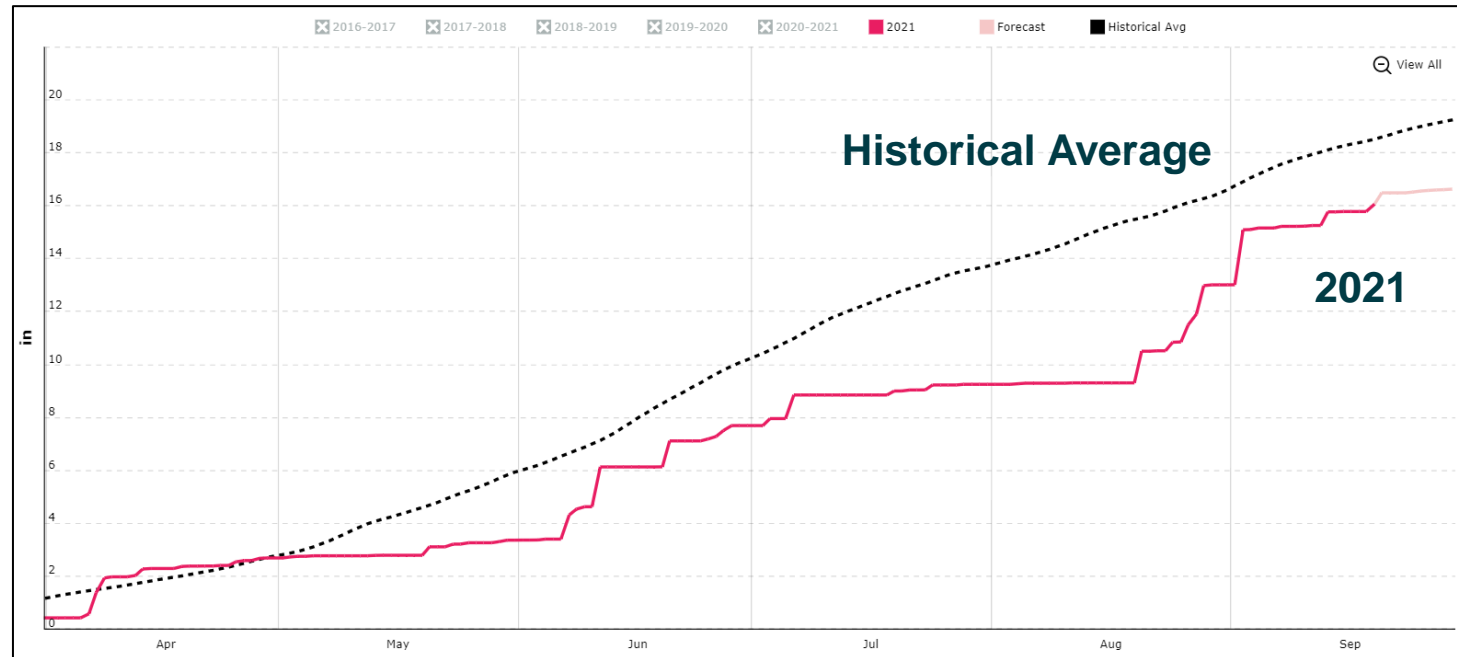
Spring Wheat

Trial Location: **Glyndon, MN**

Drought Severity



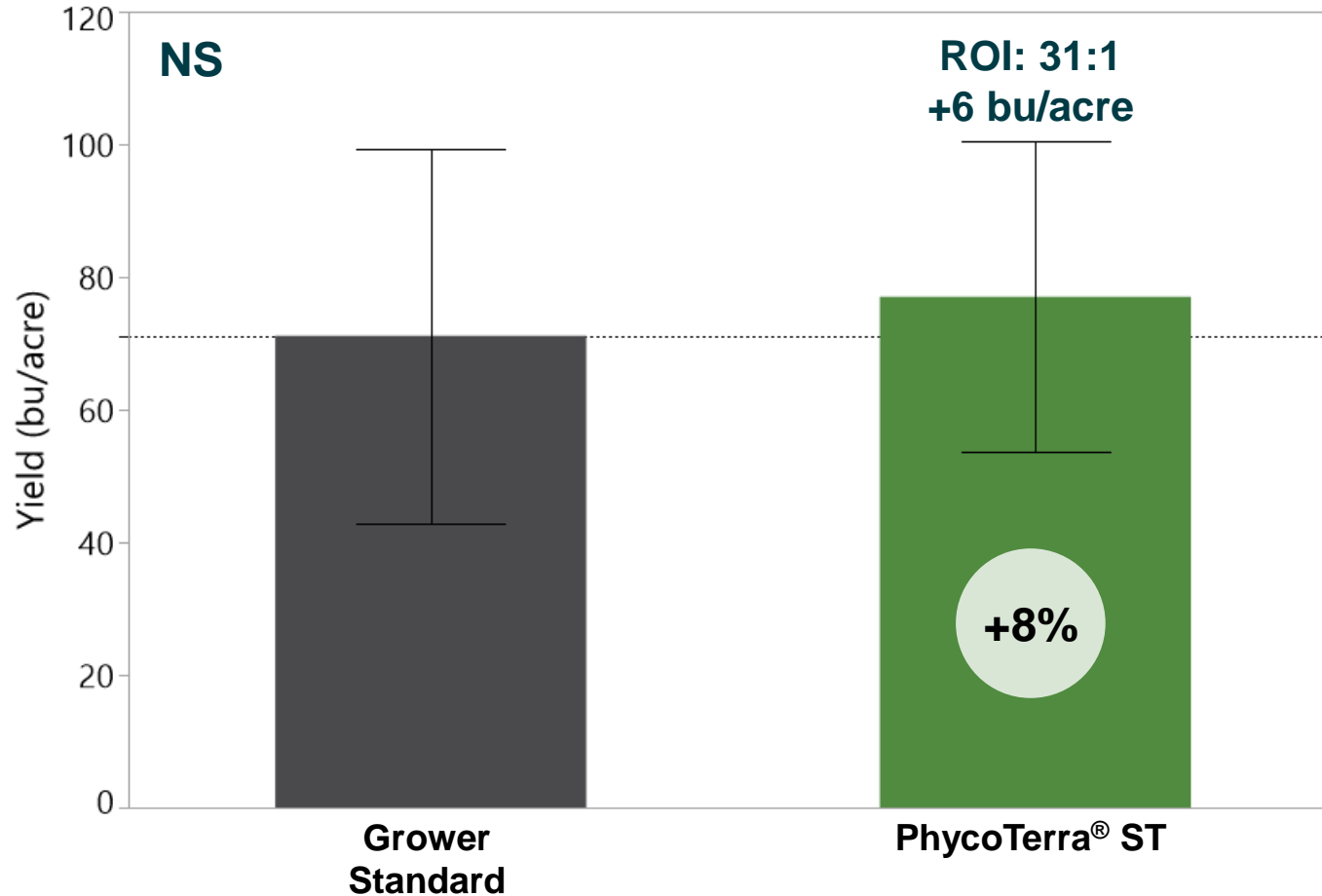
Rainfall Deficit





Spring Wheat

Trial Location: *Glyndon, MN*



SOIL TYPE:
Glyndon Loam

APPLICATION RATE:
PhycoTerra[®] ST (2 fl oz/CWT)

ORGANIC MATTER:
3%

APPLICATION TIMING:
Applied in seed coating

VARIETY:
SY Ingmir

TRIAL INFO:
3rd Party CRO

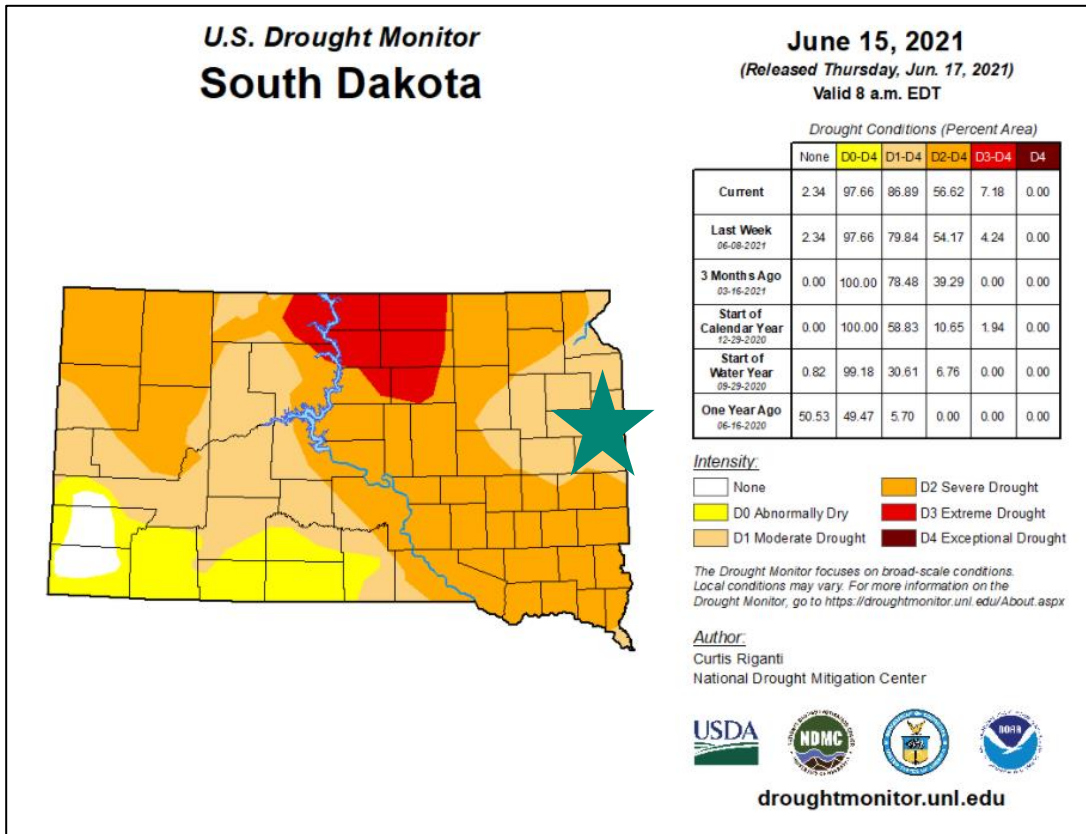
PLANTING/HARVEST INFO:
Fall planting/Summer Harvest

*Error bars represent 90% Confidence Interval, Significance tested using LSMeans Dunnett ($\alpha=0.1$)

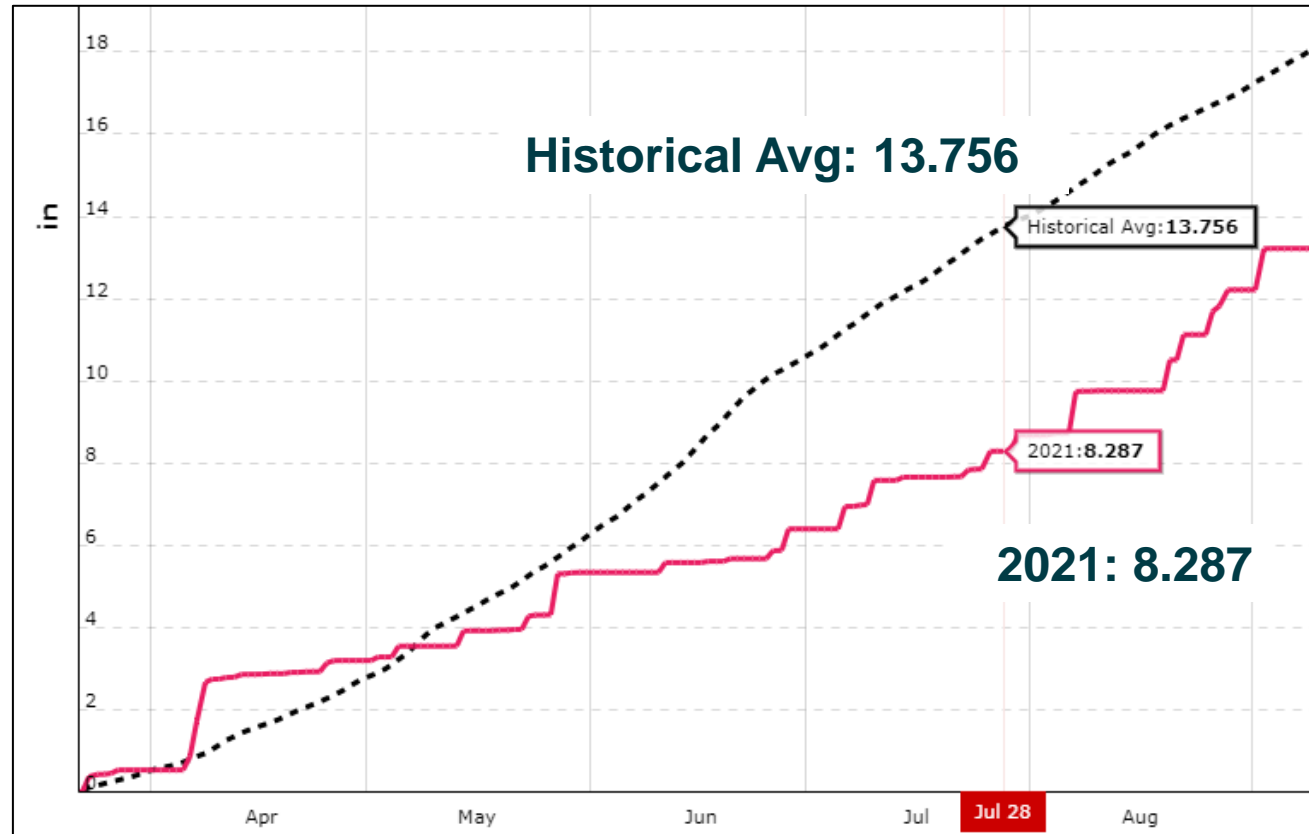
Spring Wheat

Trial Location: *Toronto, SD*

Drought Severity



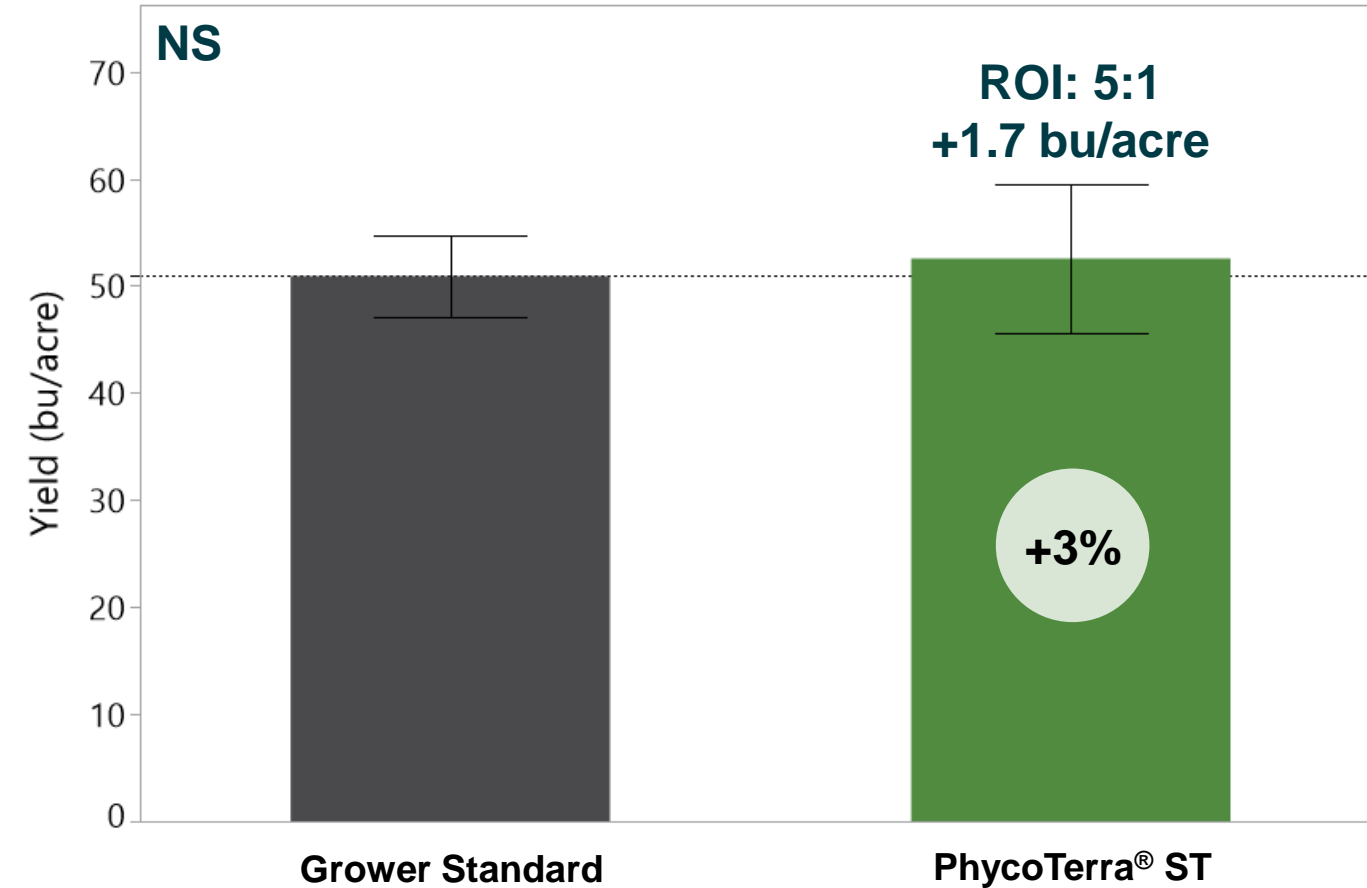
Rainfall Deficit





Spring Wheat

Trial Location: *Toronto, SD*



SOIL TYPE:

Clay Loam

ORGANIC MATTER:

3.6%

VARIETY:

Driver

TRIAL INFO:

3rd Party CRO

PLANTING/HARVEST INFO:

Spring planting/Summer harvest

APPLICATION RATE:

PhycoTerra[®] ST (2 fl oz/CWT)

APPLICATION TIMING:

Applied in seed coating

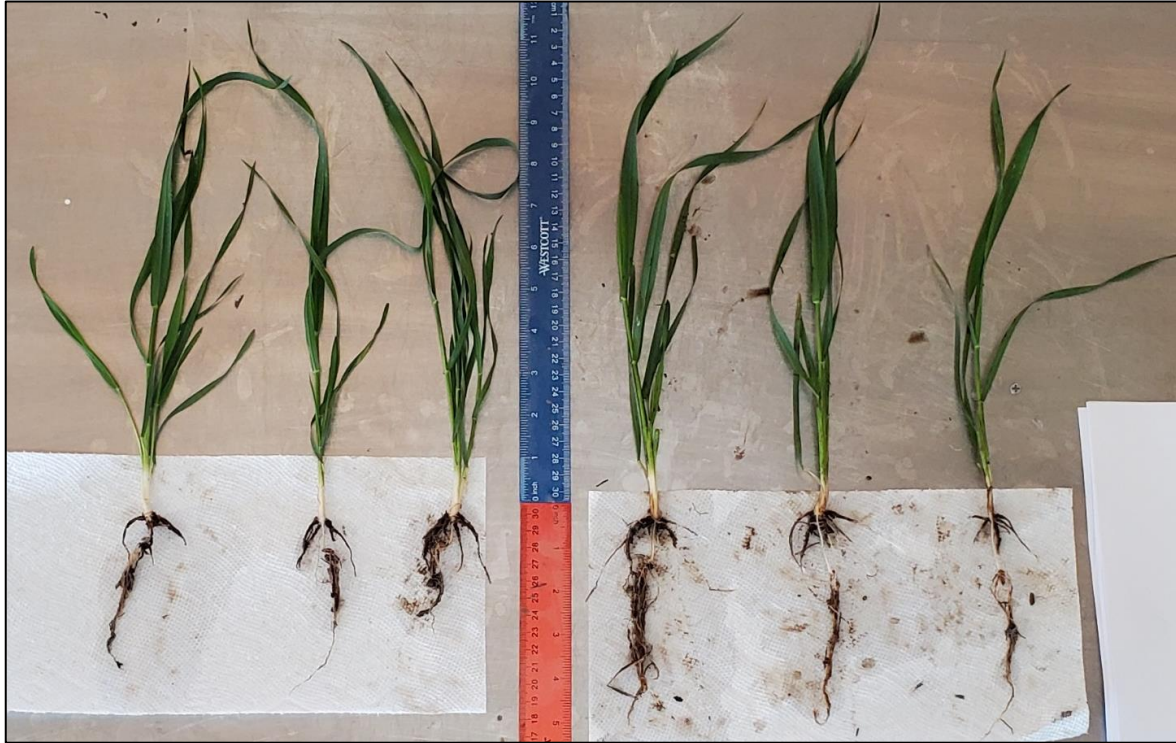
*Error bars represent 90% Confidence Interval, Significance tested using LSMeans Dunnett ($\alpha=0.1$)



PhycoTerra® **ST**

Spring Wheat

Trial Location: Toronto, SD



**Grower
Standard**

**PhycoTerra® ST
(2 fl oz/CWT)**



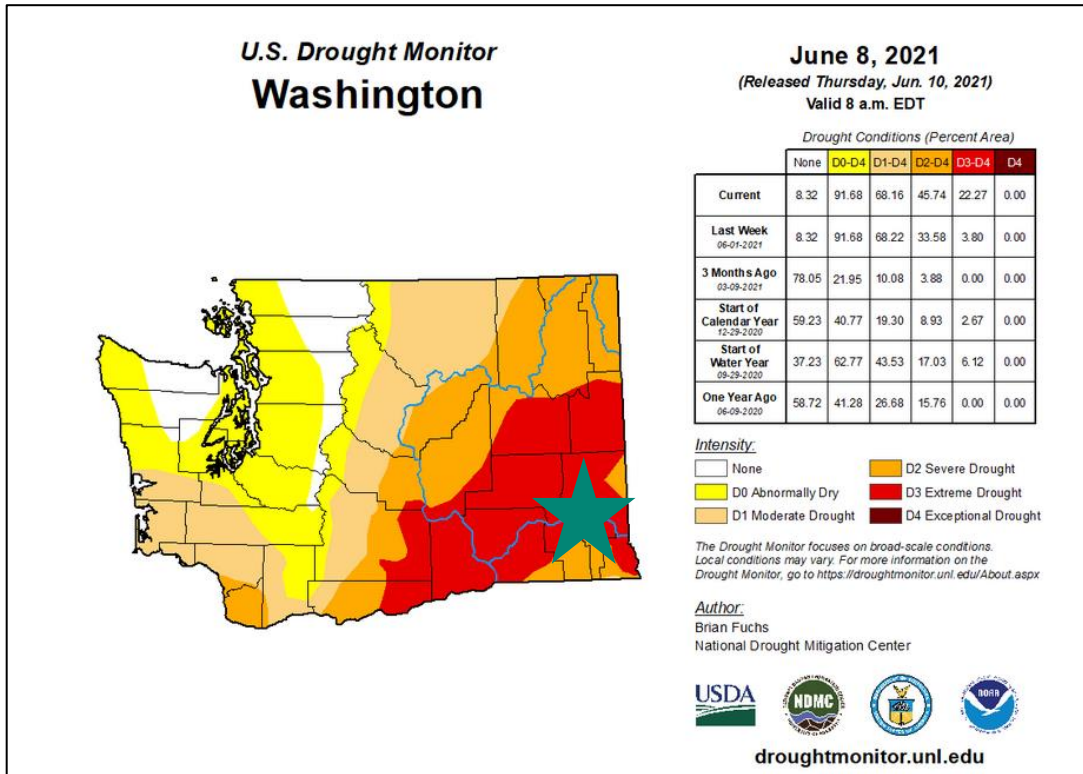
**Grower
Standard**

**PhycoTerra® ST
(2 fl oz/CWT)**

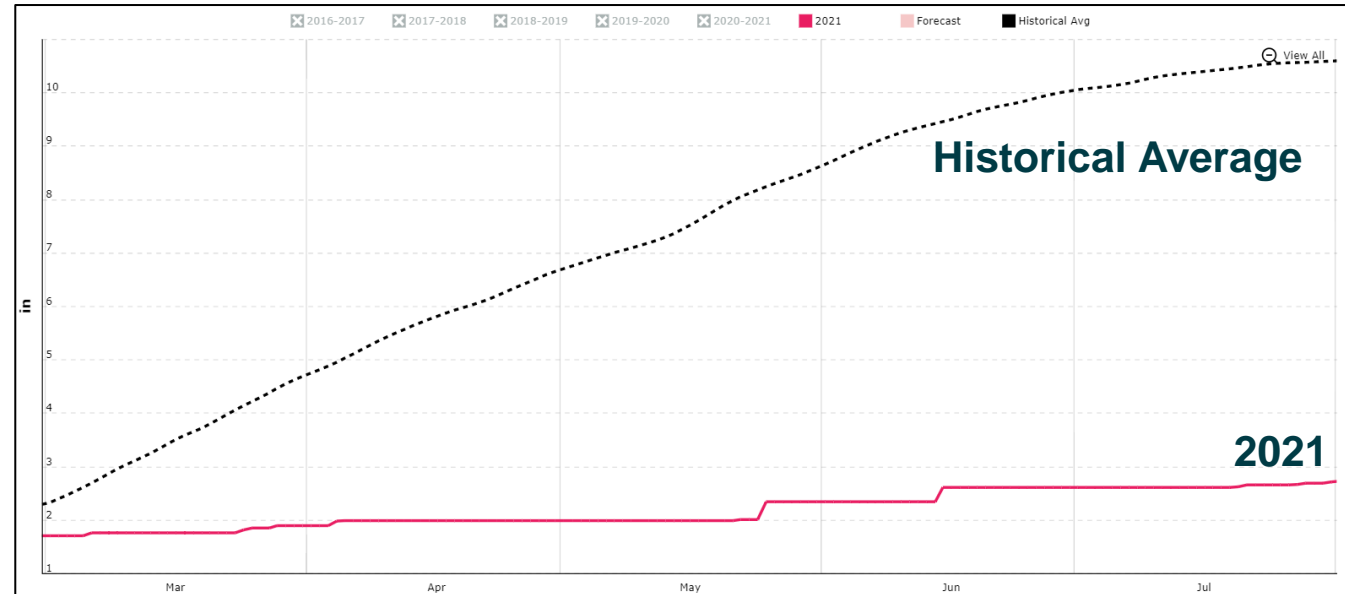
Spring Wheat

Trial Location: *Pomeroy, WA*

Drought Severity



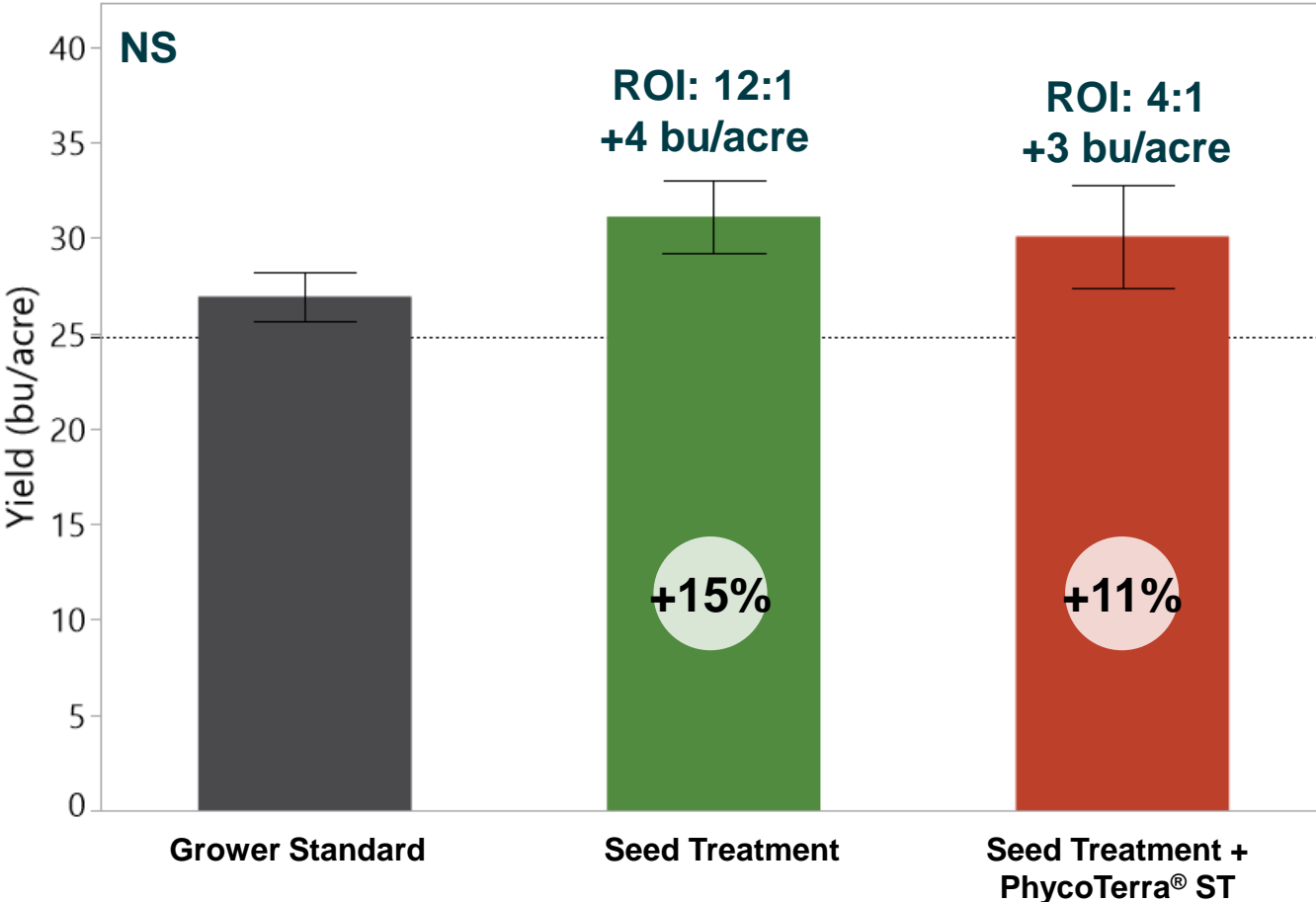
Rainfall Deficit





Spring Wheat

Trial Location: *Pomeroy, WA*



SOIL TYPE:

Silt Loam

ORGANIC MATTER:

3%

VARIETY:

SeaHawk

TRIAL INFO:

3rd Party CRO

PLANTING/HARVEST INFO:

Spring planting/Summer harvest

APPLICATION RATE:

PhycoTerra[®] ST (4 fl oz /CWT)

APPLICATION TIMING:

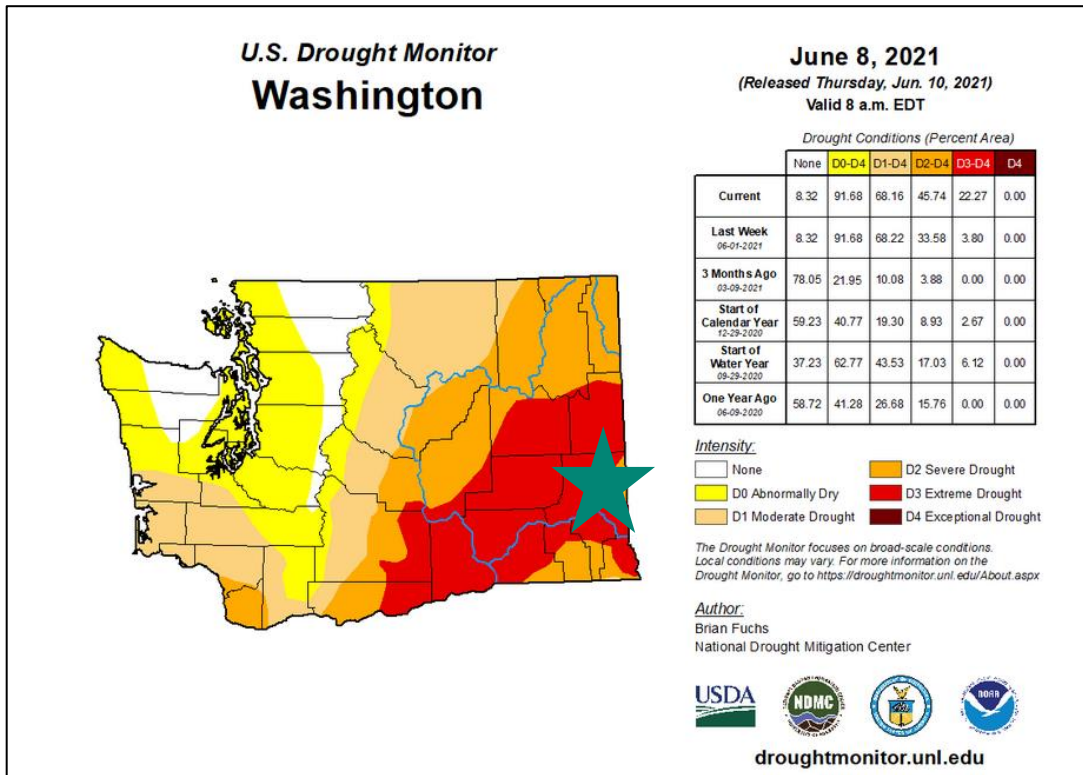
Applied in seed coating with standard fungicide (sedaxane, difenoazonazole, mefenoxam) & insecticide (thiamethoxam) seed treatment

*Error bars represent 90% Confidence Interval, Significance tested using LSMeans Dunnett ($\alpha=0.1$)

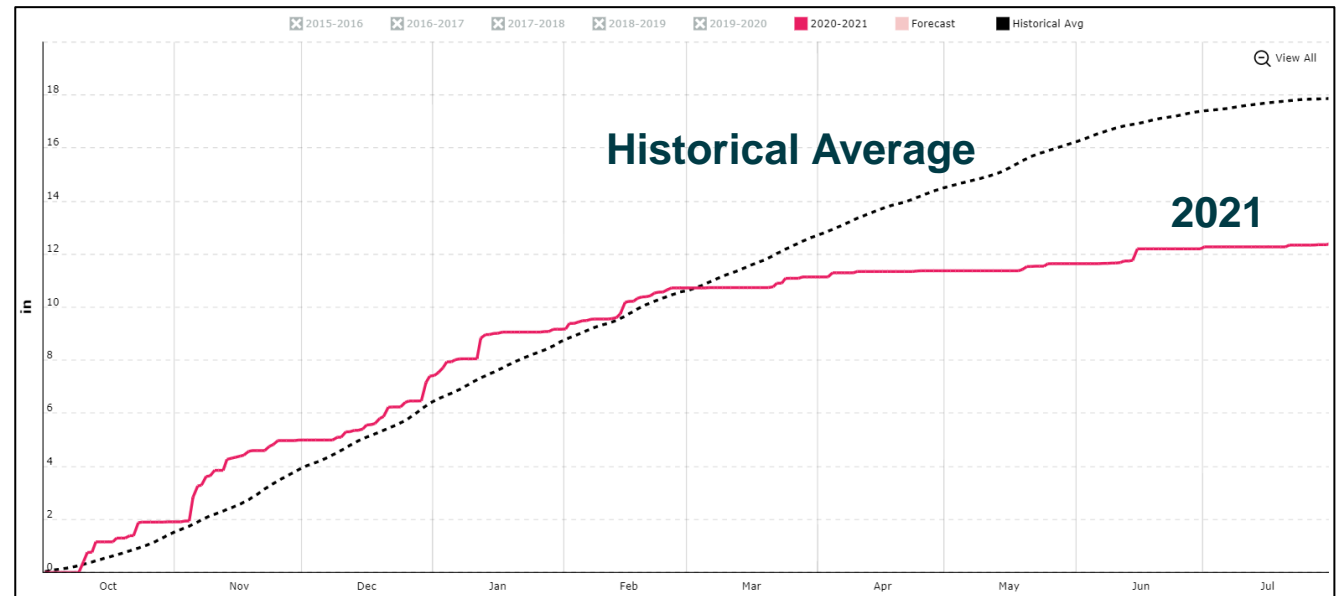
Winter Wheat

Trial Location: **Colfax, WA**

Drought Severity



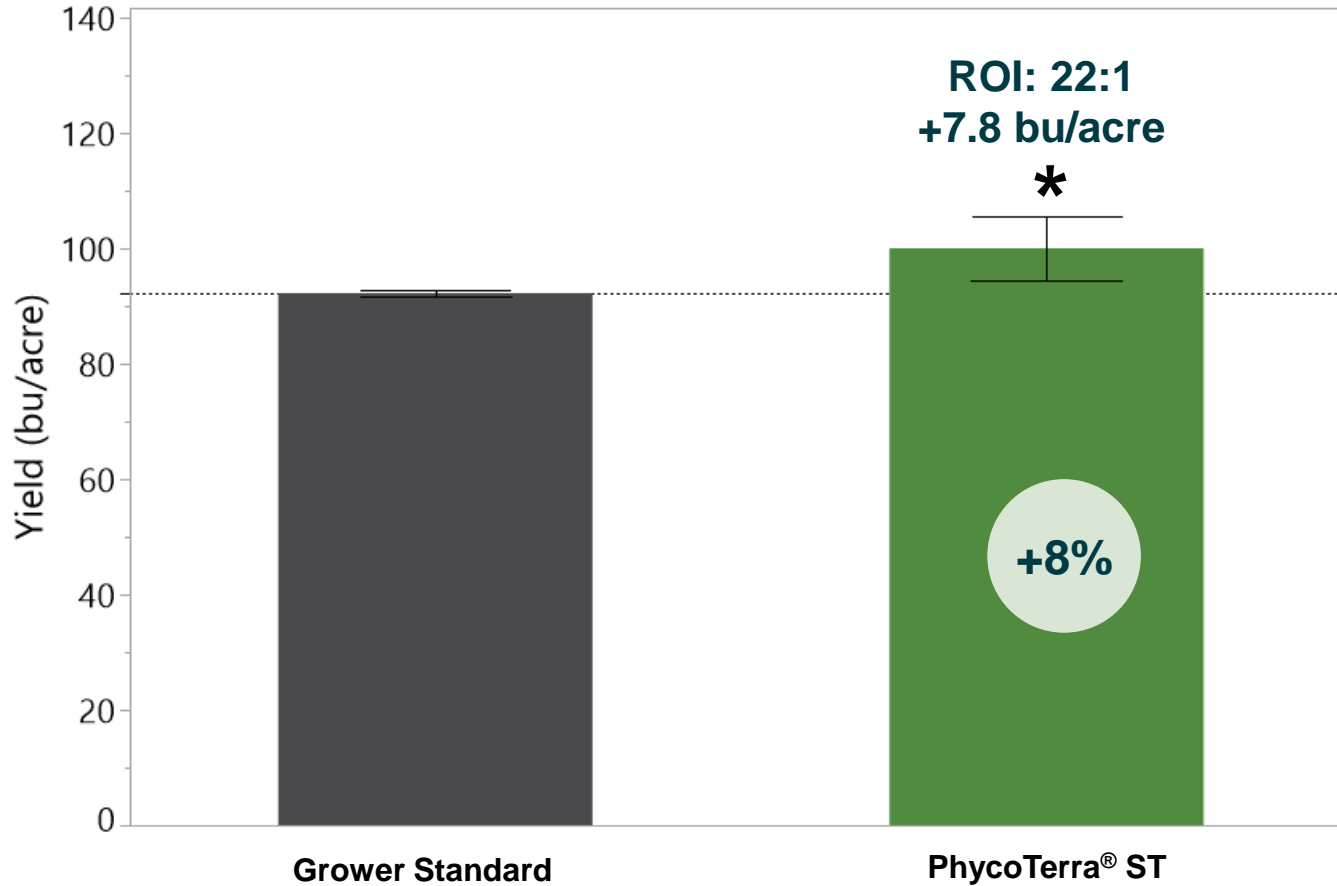
Rainfall Deficit





Winter Wheat

Trial Location: **Colfax, WA**



SOIL TYPE:

Silt Loam

APPLICATION RATE:

PhycoTerra[®] ST (4 fl oz /CWT)

ORGANIC MATTER:

3.5%

APPLICATION TIMING:

Applied in seed coating with standard fungicide (sedaxane) & insecticide (thiamethoxam) seed treatment

VARIETY:

M-idas

TRIAL INFO:

3rd Party CRO

PLANTING/HARVEST INFO:

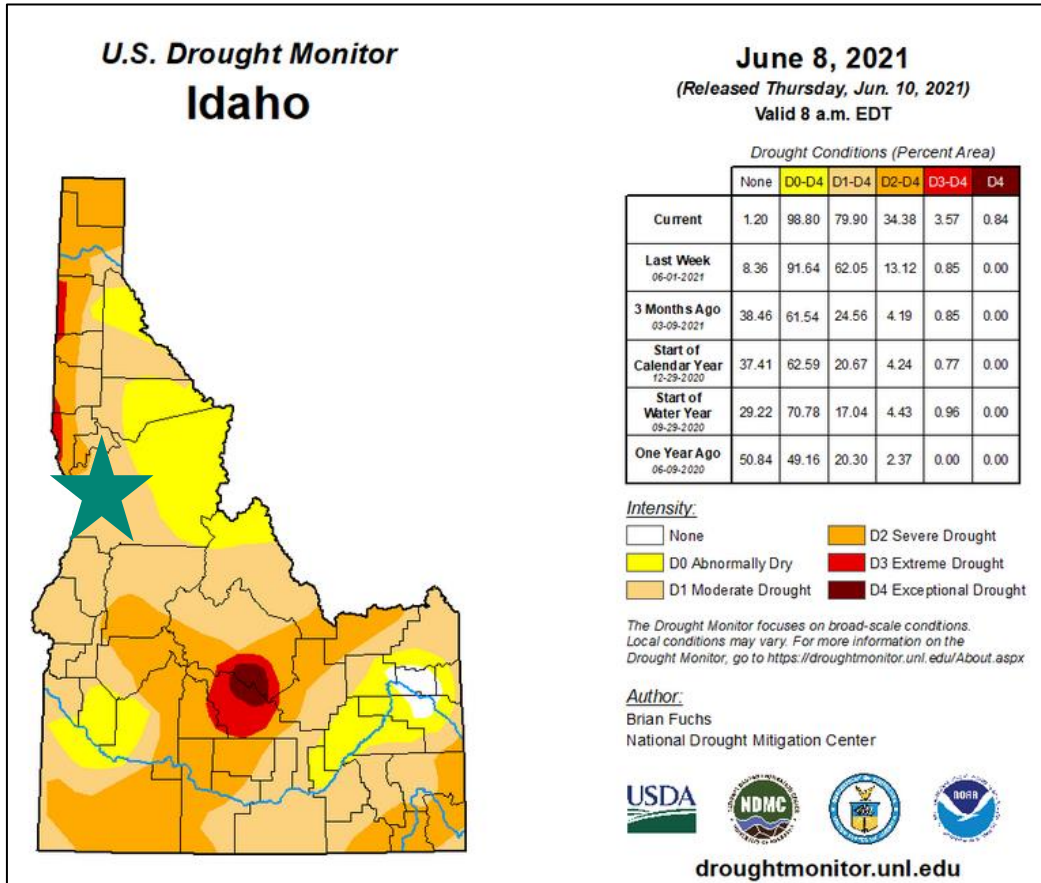
Fall planting/Summer harvest

*Error bars represent 90% Confidence Interval, Significance tested using LSMeans Dunnett ($\alpha=0.1$)

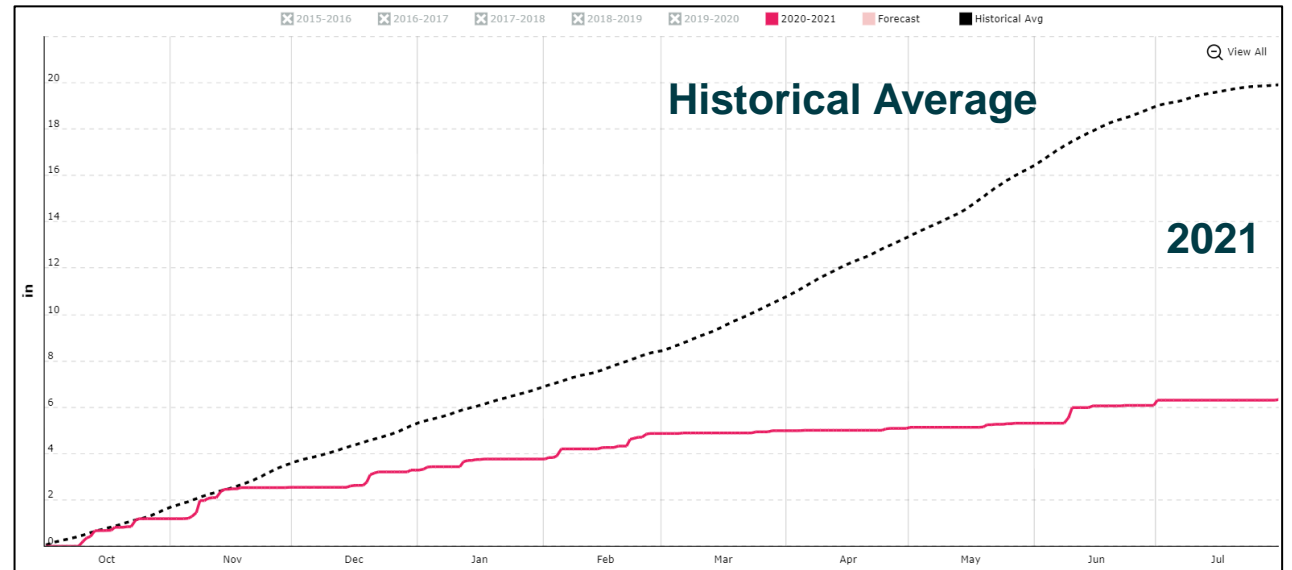
Winter Wheat

Trial Location: **Grangeville, ID**

Drought Severity



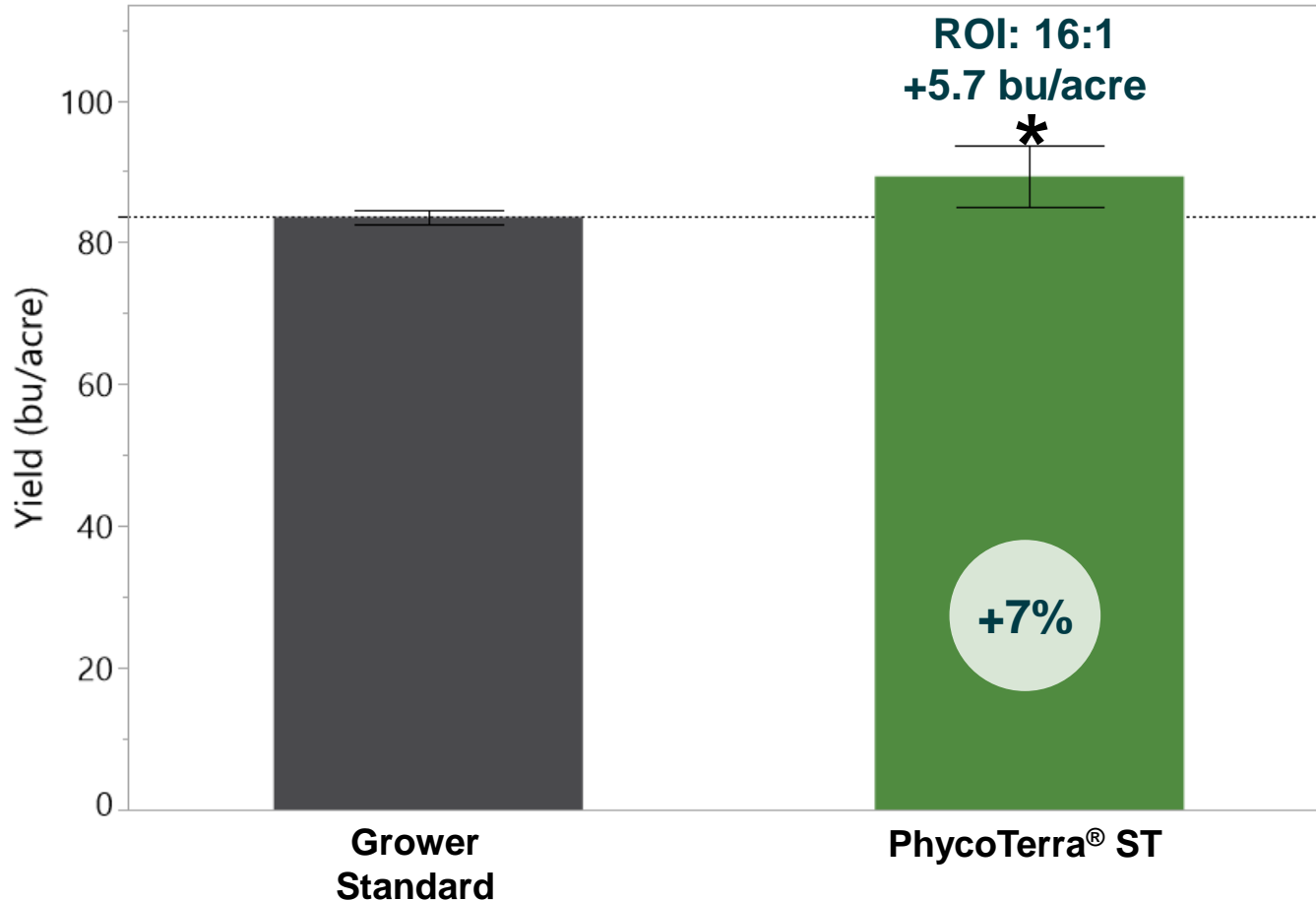
Rainfall Deficit





Winter Wheat

Trial Location: *Grangeville, ID*



SOIL TYPE:

Silt Loam

ORGANIC MATTER:

6%

VARIETY:

M-idas

TRIAL INFO:

3rd Party CRO

PLANTING/HARVEST INFO:

Unknown

APPLICATION RATE:

PhycoTerra[®] ST (4 fl oz/CWT)

APPLICATION TIMING:

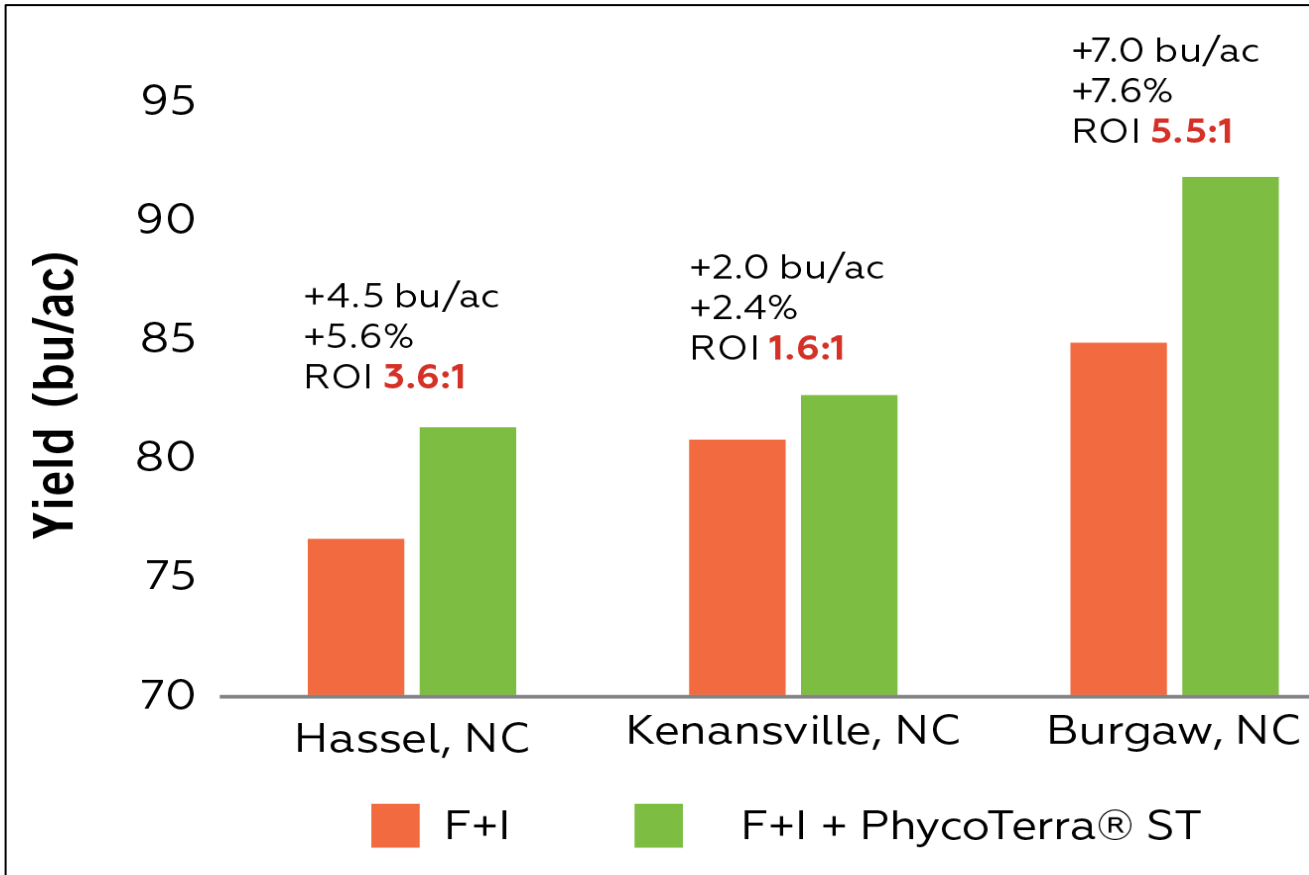
Applied in seed coating with standard fungicide (sedaxane) & insecticide (thiamethoxam) seed treatment

*Error bars represent 90% Confidence Interval, Significance tested using LSMeans Dunnett ($\alpha=0.1$)



Winter Wheat

Trial Location: *Hassel, Kenansville & Burgaw, NC***



SOIL TYPE:

Sandy loam

APPLICATION RATE:

PhycoTerra® ST (5 fl oz/CWT)

ORGANIC MATTER:

Unknown

APPLICATION TIMING:

Applied in seed coating

VARIETY:

Croplan

TRIAL INFO:

Grower trial

PLANTING/HARVEST INFO:

Fall planting/Summer Harvest

**Grower trial



PhycoTerra[®] ST

Winter Wheat

Trial Location: *Hassel, Kenansville & Burgaw, NC***



NOTABLE RESULTS:
Tiller improvement

***Grower trial*



Winter Wheat

Trial Location: *Hassel, Kenansville & Burgaw, NC***



NOTABLE RESULTS:
Root & stem improvement

***Grower trial*



Winter Wheat

Trial Location: *Hassel, Kenansville & Burgaw, NC***



NOTABLE RESULTS:
Grain head improvement

***Grower trial*