



# AGXPLORE

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## 2016 IRRIGATED CORN TRIALS

**FIELD:** B - NE 1/4 **GRAHAM ELECTRIC PLANTING DATE:** 4/27/2016  
**POPULATION:** 34K **HARVEST DATE:** 10/17/2016  
**VARIETY:** Go3A50-5122

### APPLICATION DATE

**DMI STRIP-TILL:** (Analysis) 16.4 - 8.2 - 1.3 - 4.7 s  
 applied 10 gal./ac. @ 4" and 13 gal./ac. @ 10" 3/17/2016

**2x2 STARTER FERTILIZER:** (Analysis) 15.7 - 8.9 - 2.6 s - .047 Zn  
 @ 18 gal./ac. 4/27/2016

**THROUGH REINKE SPRINKLER:** 28 - 0 - 0 - 5 @ 4 gal./ac. 6/10/2016  
 28 - 0 - 0 - 5 @ 4 gal./ac. 6/21/2016  
 28 - 0 - 0 - 5 @ 4 gal./ac. 7/7/2016  
 28 - 0 - 0 - 5 @ 4 gal./ac. 7/11/2016  
 28 - 0 - 0 - 5 @ 4 gal./ac. 7/13/2016  
 28 - 0 - 0 - 5 @ 6 gal./ac. 7/18/2016  
 28 - 0 - 0 - 5 @ 6 gal./ac. 7/22/2016  
 28 - 0 - 0 - 5 @ 6 gal./ac. 7/26/2016

**APPLIED WATER:** 9.23 inches

**RAINFALL:** 11.92 inches

**GROUND SPRAY APPLICATIONS:** ACURON @ 2.5 qt. / ac.  
 + ROUNDUP WEATHERMAX @ 32 oz. / ac.  
 + AMS @ 1 qt. / 100 gal. + NIS @ 1 qt. / 100 gal. 5/4/2016

PROTOCOL	R E P #	MOISTURE	AVERAGE BUSHELS PER ACRE	TREATMENT AVERAGE	
<u>NITROULTRA</u> @ 32 oz./ac. APPLIED 5/30/2016	1	12.2	232.7	12.2	214.9
	2	12.0	207.0		
	3	12.4	212.6		
	4	12.4	207.3		

<b>PROTOCOL</b>	<b>R E P #</b>	<b>MOISTURE</b>	<b>AVERAGE BUSHEL PER ACRE</b>	<b>TREATMENT AVERAGE</b>	
<b><u>CHARGE</u></b>  @ 32 oz./ac.  APPLIED 5/30/2016	1	12.2	<b>206.5</b>	<b>12.3</b>	<b>207.8</b>
	2	12.1	<b>207.3</b>		
	3	12.5	<b>208.7</b>		
	4	12.3	<b>208.7</b>		
<b><u>CHALLENGER</u></b>  @ 32 oz./ac.  APPLIED 5/30/2016	1	12.1	<b>208.8</b>	<b>12.3</b>	<b>209.6</b>
	2	12.1	<b>211.0</b>		
	3	12.6	<b>209.4</b>		
	4	12.3	<b>209.3</b>		
<b><u>CORNSCIENCE</u></b>  @ 64 oz./ac.  APPLIED 5/30/2016	1	12.1	<b>211.7</b>	<b>12.3</b>	<b>213.1</b>
	2	12.1	<b>212.8</b>		
	3	12.5	<b>215.6</b>		
	4	12.5	<b>212.3</b>		
<b>CONTROL UNTREATED</b>	1	12.1	<b>190.8</b>	<b>12.2</b>	<b>203.3</b>
	2	12.2	<b>202.6</b>		
	3	12.4	<b>209.3</b>		
	4	12.3	<b>210.7</b>		

*Weather, daytime temperatures and other factors affect data results, as in any year.  
The Irrigation Research Foundation strives to record and control these factors where possible.  
Not all of these factors are measurable or recognized.  
[For weather information please go to www.coagmet.com](http://www.coagmet.com), monthly summaries, select the month, year and the Yuma station.*