

## 2016 IRRIGATED CORN TRIALS

<b>FIELD:</b>	D	<b>GRAHAM ELECTRIC PLANTING DATE:</b> <u>4/23/2016</u>
<b>POPULATION:</b>	34K	<b>HARVEST DATE:</b> 10/10/2016
<b>BULK VARIETY:</b>	DKC 53 - 68	<b>APPLICATION DATE</b>
<b>DMI STRIP-TILL:</b>	(Analysis) 16.4 - 8.2 - 1.3 - 4.7 s applied 10 gal./ac. @ 4" and 13 gal./ac. @ 10"	3/17/2016
<b>2x2 STARTER FERTILIZER:</b>	(Analysis) 15.7 - 8.9 - 2.6 s - .047 Zn @ 18 gal./ac. (Per Protocol)	4/23/2016
<b>THROUGH REINKE SPRINKLER:</b>	28 - 0 - 0 - 5 @ 10 gal./ac.	6/12/2016
	28 - 0 - 0 - 5 @ 10 gal./ac.	7/5/2016
	28 - 0 - 0 - 5 @ 10 gal./ac.	7/12/2016
	28 - 0 - 0 - 5 @ 5 gal./ac.	7/18/2016
	28 - 0 - 0 - 5 @ 5 gal./ac.	7/22/2016
	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
<b>APPLIED WATER:</b>	7.75 inches	<b>RAINFALL:</b> 11.95 inches
<b>GROUND SPRAY APPLICATIONS:</b>	ACURON @ 2.5 qt. / ac. + ROUNDUP WEATHERMAX @ 32 oz. / ac. + AMS @ 1 qt. / 100 gal. + NIS @ 1 qt. / 100 gal.	4/24/2016
	STATUS @ 5 oz./ac.	6/30/2016

<b>PROTOCOL</b>	<b>R E P</b>	MOISTURE		AVERAGE BUSHELS PER ACRE		<b>R E P</b>	MOISTURE		AVERAGE BUSHELS PER ACRE		<b>TRIAL AVERAGE</b>	
		MOISTURE	AVERAGE BUSHELS PER ACRE	MOISTURE	AVERAGE BUSHELS PER ACRE		MOISTURE	AVERAGE BUSHELS PER ACRE	MOISTURE	AVERAGE BUSHELS PER ACRE		
# 1  <b>N-TRUZI</b> @ 4.5 gal./ac. applied IN-FURROW NO 2x2	1	13.8	<b>205.8</b>	4	13.6	<b>223.3</b>	<b>14.1</b>	<b>225.2</b>				
	2	14.2	<b>225.8</b>	5	14.1	<b>241.1</b>						
	3	14.5	<b>224.7</b>	6	14.4	<b>230.4</b>						
	<i>AVERAGE</i>		<i>AVERAGE</i>									
	14.2	<b>218.8</b>	14.0	<b>231.6</b>								
# 2  <b>6 - 24 - 6</b> @ 4.5 gal./ac. + <b>MICRO PAC</b> @ 0.5 gal./ac. applied IN-FURROW NO 2x2	1	13.9	<b>199.9</b>	4	15.1	<b>220.8</b>	<b>14.3</b>	<b>224.2</b>				
	2	14.1	<b>222.7</b>	5	14.1	<b>238.0</b>						
	3	14.3	<b>223.9</b>	6	14.2	<b>239.7</b>						
	<i>AVERAGE</i>		<i>AVERAGE</i>									
	14.1	<b>215.5</b>	14.5	<b>232.8</b>								
#3  <b>6 - 24 - 6</b> 4.5 gal./ac. applied IN-FURROW NO 2x2	1	14.5	<b>222.7</b>	4	15.1	<b>239.4</b>	<b>14.3</b>	<b>228.5</b>				
	2	14.2	<b>214.3</b>	5	14.0	<b>233.2</b>						
	3	14.0	<b>226.8</b>	6	14.0	<b>234.6</b>						
	<i>AVERAGE</i>		<i>AVERAGE</i>									
	14.2	<b>221.3</b>	14.4	<b>235.7</b>								
# 4  <b>6 - 24 - 6</b> @ 4.5 gal./ac. + <b>MICRO PAC</b> @ 0.5 gal./ac. + <b>VITRAN</b> @ 6 oz./ac. applied IN-FURROW NO 2x2	1	14.4	<b>231.2</b>	4	15.2	<b>252.9</b>	<b>14.2</b>	<b>233.6</b>				
	2	14.0	<b>218.7</b>	5	13.7	<b>231.6</b>						
	3	14.1	<b>229.1</b>	6	14.2	<b>237.8</b>						
	<i>AVERAGE</i>		<i>AVERAGE</i>									
	14.1	<b>226.4</b>	14.4	<b>240.8</b>								

PROTOCOL	R E P #			R E P #			TRIAL AVERAGE	
		MOISTURE	AVERAGE BUSHELS PER ACRE		MOISTURE	AVERAGE BUSHELS PER ACRE	MOISTURE	AVERAGE BUSHELS PER ACRE
# 5 <u>6 - 24 - 6</u> @ 4.5 gal./ac. + <b>MICRO PAC</b> @ 0.5 gal./ac. + <b>N CAPSULATE</b> @ 1 gal./ac. applied IN-FURROW NO 2x2	1	14.1	<b>224.3</b>	4	14.8	<b>240.9</b>	14.3	<b>231.8</b>
	2	14.4	<b>223.1</b>	5	14.1	<b>236.4</b>		
	3	14.2	<b>227.7</b>	6	14.2	<b>238.4</b>		
	TRIAL AVERAGE		TRIAL AVERAGE					
		<b>14.2</b>	<b>225.0</b>	<b>14.4</b>	<b>238.6</b>			
#6 <u>10 - 34 - 0</u> @ 5 gal./ac. applied IN-FURROW NO 2x2	1	14.1	<b>217.9</b>	4	14.6	<b>241.5</b>	14.3	<b>229.1</b>
	2	14.3	<b>224.2</b>	5	14.3	<b>238.1</b>		
	3	14.2	<b>219.0</b>	6	14.3	<b>233.6</b>		
	AVERAGE		AVERAGE					
		<b>14.2</b>	<b>220.4</b>	<b>14.4</b>	<b>237.7</b>			
#7 CONTROL WATER @ 4.5 gal./ac. applied IN-FURROW NO 2x2	1	14.2	<b>220.6</b>	4	14.8	<b>230.3</b>	14.6	<b>225.0</b>
	2	14.4	<b>221.4</b>	5	14.7	<b>220.6</b>		
	3	14.7	<b>223.3</b>	6	14.7	<b>233.7</b>		
	TRIAL AVERAGE		TRIAL AVERAGE					
		<b>14.4</b>	<b>221.8</b>	<b>14.7</b>	<b>228.2</b>			
# 8 <b>CAPTURE LFR</b> @ 8.5 oz./ac. + <b>VGR</b> @ 5 gal./ac. + <u>6 - 24 - 6</u> @ 4.5 gal./ac. applied IN-FURROW NO 2x2	1	14.4	<b>218.3</b>	4	14.6	<b>237.3</b>	14.3	<b>226.6</b>
	2	14.5	<b>222.2</b>	5	13.8	<b>237.9</b>		
	3	14.2	<b>212.4</b>	6	14.1	<b>231.3</b>		
	AVERAGE		AVERAGE					
		<b>14.4</b>	<b>217.6</b>	<b>14.2</b>	<b>235.5</b>			
# 9 <b>ETHOS XB</b> @ 0.066 gal./ac. + <u>6 - 24 - 6</u> @ 4.5 gal./ac. applied IN-FURROW NO 2x2	1	14.4	<b>226.4</b>	4	14.8	<b>240.7</b>	14.4	<b>231.8</b>
	2	14.4	<b>227.7</b>	5	14.1	<b>231.2</b>		
	3	14.1	<b>229.1</b>	6	14.4	<b>235.5</b>		
	AVERAGE		AVERAGE					
		<b>14.3</b>	<b>227.7</b>	<b>14.4</b>	<b>235.8</b>			
# 10 <b>N-TRUZI</b> @ 9 gal./ac. + <u>32 - 0 - 0</u> @ 9 gal./ac. applied 2x2 NO IN-FURROW	1	13.8	<b>231.5</b>	4	14.2	<b>253.9</b>	14.0	<b>240.2</b>
	2	13.9	<b>238.5</b>	5	13.9	<b>242.1</b>		
	3	14.3	<b>231.2</b>	6	13.8	<b>243.8</b>		
	AVERAGE		AVERAGE					
		<b>14.0</b>	<b>233.7</b>	<b>14.0</b>	<b>246.6</b>			
# 11 STANDARD IRF 2x2 @ 18 gal./ac. NO IN-FURROW	1	13.8	<b>227.9</b>	4	14.7	<b>246.0</b>	14.1	<b>232.8</b>
	2	14.5	<b>219.9</b>	5	13.9	<b>241.7</b>		
	3	13.9	<b>225.2</b>	6	13.9	<b>236.3</b>		
	AVERAGE		AVERAGE					
		<b>14.1</b>	<b>224.4</b>	<b>14.2</b>	<b>241.3</b>			

PROTOCOL	R E P #			R E P #			TRIAL AVERAGE	
		MOISTURE	AVERAGE BUSHELS PER ACRE		MOISTURE	AVERAGE BUSHELS PER ACRE	MOISTURE	AVERAGE BUSHELS PER ACRE
# 12  <b>N CAPSULATE</b> @ 1 gal./ac. + STANDARD IRF 2x2 @ 18 gal./ac. NO IN-FURROW	1	14.0	<b>222.8</b>	4	14.7	<b>237.0</b>	<b>14.1</b>	<b>230.9</b>
	2	14.2	<b>228.2</b>	5	13.8	<b>233.2</b>		
	3	13.8	<b>230.0</b>	6	13.9	<b>234.1</b>		
	AVERAGE		AVERAGE					
		<b>14.0</b>	<b>227.0</b>		<b>14.1</b>	<b>234.8</b>		
# 13  <b>VITRAN</b> @ 10 oz./ac. + STANDARD IRF 2x2 @ 18 gal./ac. NO IN-FURROW	1	14.0	<b>225.5</b>	4	14.4	<b>241.0</b>	<b>14.1</b>	<b>230.7</b>
	2	13.9	<b>225.8</b>	5	13.8	<b>226.1</b>		
	3	14.3	<b>229.6</b>	6	14.2	<b>236.2</b>		
	AVERAGE		AVERAGE					
		<b>14.1</b>	<b>227.0</b>		<b>14.2</b>	<b>234.4</b>		
# 14 STANDARD IRF 2x2 @ 18 gal./ac. NO IN-FURROW FOLIAR <b>TOGGEL</b> @ 0.3125 gal./ac. APPLIED6/8/2016	1	13.8	<b>229.9</b>	4	14.0	<b>243.4</b>	<b>13.9</b>	<b>232.1</b>
	2	13.9	<b>234.0</b>	5	13.8	<b>238.6</b>		
	3	13.9	<b>212.9</b>	6	13.8	<b>233.8</b>		
	AVERAGE		AVERAGE					
		<b>13.9</b>	<b>225.6</b>		<b>13.9</b>	<b>238.6</b>		
# 15 STANDARD IRF 2x2 @ 18 gal./ac. NO IN-FURROW FOLIAR <b>FLASHGUARD</b> @ 0.25 gal./ac. APPLIED6/8/2016	1	13.7	<b>233.1</b>	4	13.9	<b>238.7</b>	<b>13.8</b>	<b>231.7</b>
	2	13.8	<b>233.3</b>	5	13.8	<b>244.5</b>		
	3	13.8	<b>216.4</b>	6	13.8	<b>224.1</b>		
	AVERAGE		AVERAGE					
		<b>13.8</b>	<b>227.6</b>		<b>13.8</b>	<b>235.7</b>		
# 16 STANDARD IRF 2x2 @ 18 gal./ac. NO IN-FURROW FOLIAR <b>SMART QUATRO</b> @ 0.25 gal./ac. APPLIED6/8/2016	1	14.2	<b>222.7</b>	4	13.9	<b>241.0</b>	<b>13.9</b>	<b>228.5</b>
	2	13.9	<b>228.0</b>	5	13.8	<b>234.0</b>		
	3	14.0	<b>217.2</b>	6	13.9	<b>228.1</b>		
	AVERAGE		AVERAGE					
		<b>14.0</b>	<b>222.6</b>		<b>13.9</b>	<b>234.3</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.