

**2016 IRRIGATED SOYBEAN TRIALS**

<b>FIELD:</b>	Lateral South	<b>GRAHAM ELECTRIC PLANTING DATE:</b>	5/25/2016
<b>VARIETY:</b>	S24-K2	<b>HARVEST DATE:</b>	9/19/2016
<b>POPULATION:</b>	120K		
<b>AVERAGE TEST WEIGHT:</b>	57.2	<b>APPLICATION DATE</b>	
<b><u>DMI STRIP-TILL:</u></b>	(Analysis) 16.4 - 8.2 - 1.3 - 4.7 s applied 10 gal./ac. @ 4" and 13 gal./ac. @ 10"		3/16/2016
<b>SOIL DETOXIFIER:</b>	OVERHAUL @ 32 oz./ac.		3/22/2016
<b>INOCULANT:</b>	<u>MICROSURGE DRY</u>		5/25/2016
<b>2x2 STARTER FERTILIZER:</b>	(Analysis) 15.7 - 8.9 - 2.6 s - .047 Zn @ 12.5 gal./ac.		5/25/2016
<b><u>THROUGH REINKE SPRINKLER:</u></b>	28-0-0-5 @ 10 gal./ac.		7/8/2016
	QUILT XCEL @ 10.5 oz./ac. + ENDIGO ZCX @ 3.5 oz./ac.		7/14/2016
	28-0-0-5 @ 6 gal./ac.		7/16/2016
	28-0-0-5 @ 6 gal./ac.		7/21/2016
<b>APPLIED WATER:</b>	6.82 inches		
<b><u>RAINFALL:</u></b>	10.15 inches		
<b>GROUND SPRAY APPLICATIONS:</b>	ROUNDUP WEATHERMAX @ 32 oz. / ac. + AMS @ 1 qt. / 100 gal. + NIS @ 1 qt. / 100 gal. + BOUNDARY @ 1.5 pt. / ac.		5/28/2016
	FUSILADE @ 6 oz. / ac. + ROUNDUP WEATHERMAX @ 32 oz. / ac. + 10 - 34 - 0 @ 2 pt. / ac. + NIS @ 1 qt. / 100 gal.		6/8/2016
	FUSILADE @ 6 oz. / ac. + ROUNDUP WEATHERMAX @ 32 oz. / ac. + SEQUENCE @ 2.5 pt. / ac. + 10 - 34 - 0 @ 1 qt. / ac. + NIS @ 1 qt. / 100 gal.		7/8/2016

<b>PROTOCOL</b> RANDOMIZED REPLICATED	<b>REP # 1</b>		<b>REP # 2</b>		<b>REP # 3</b>		<b>REP # 4</b>	
	MOISTURE	AVERAGE BUSHELS PER ACRE	MOISTURE	AVERAGE BUSHELS PER ACRE	MOISTURE	AVERAGE BUSHELS PER ACRE	MOISTURE	AVERAGE BUSHELS PER ACRE
<b><u>MICROSURGE DRY w/TALC</u></b> seed treatment	9.5	<b>37.2</b>	9.2	<b>36.9</b>	9.6	<b>40.8</b>	9.2	<b>37.4</b>
<b><u>MICROSURGE LIQUID</u></b> seed treatment	9.5	<b>36.0</b>	9.4	<b>36.6</b>	9.3	<b>37.9</b>	9.2	<b>37.1</b>
<b><u>MICRO TALC</u></b> seed treatment	9.5	<b>37.6</b>	9.1	<b>33.2</b>	9.3	<b>41.4</b>	9.2	<b>37.0</b>
<b><u>PSB-IF @ 1 pt./ac.</u></b> w/WATER @ 3 gal./ac. applied IN-FURROW	9.4	<b>33.8</b>	9.4	<b>35.4</b>	9.3	<b>40.1</b>	8.8	<b>34.5</b>
<b><u>PSB-ST LIQUID</u></b> seed treatment	9.3	<b>34.9</b>	9.2	<b>36.6</b>	9.4	<b>40.2</b>	9.0	<b>35.0</b>
<b>CONTROL NO TALC</b>	9.3	<b>31.2</b>	9.8	<b>29.8</b>	8.7	<b>34.4</b>	8.7	<b>30.3</b>

**IRF SPECIAL DISCLOSURE:**

Due to what we believe to be a lightning strike on the Lateral early in the season, causing a reboot and reset of the system to factory settings, the amount of actual applied water was much less than the programmed applied water, resulting in a 'less than satisfactory' yield. The applied water on this results page is the actual applied water to this project.

*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.**