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# ARMSTRONG SEED, LLC.

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# 2018

## SECOND YEAR MANURE APPLIED IRRIGATED CORN TRIALS

FARMREIGN PRECISION PLANTER PLANTING DATE: 5/1/2018

HARVEST DATE: 10/22/2018

FIELD:	A NW 1/4	
VARIETY:	G03C84-5122	
POPULATION:	34K	
PREVIOUS CROP:	Corn	APPLICATION DATE
2018 MANURE SPREAD:	ARMSTRONG LLC. duplicated VARIABLE RATE APPLICATION	3/29/2018
2017 MANURE SPREAD:	ARMSTRONG LLC. applied variable rates	3/15/2017
2018 DMI STRIP-TILL:	(Analysis) 4 - 8 - 1 - 4.6s - VARIABLE RATE APPLICATION	
	100% - applied at 10 gal./A @ 4" and 13 gal./A @ 10"	3/30/2018
	50% - applied at 5 gal./A @ 4" and 6.5 gal./A @ 10"	3/30/2018
	0 - NO STRIP-TILL FERTILIZER	
2017 DMI STRIP-TILL:	(Analysis) 9.6 - 17 - 3s applied 10 gal./ac. @ 4" and 13 gal./ac. @ 10"	
	Same rate was applied to entire trial.	3/23/2017
2018 2x2 STARTER FERTILIZER:	(Analysis) 16 - 9 - 3 - 2.6s - .1zn - VARIABLE RATE APPLICATION	
	100% - applied at 18 gal./A	5/1/2018
	50% - applied at 9 gal./A	5/1/2018
	0 - NO 2 x 2 STARTER FERTILIZER	
2017 2x2 STARTER FERTILIZER:	(Analysis) 16 - 9 - 0 - 3 s - .1 Zn @ 18 gal./ac.	
	Same rate was applied to entire trial.	5/2/2017
THROUGH REINKE SPRINKLER:	28 - 0 - 0 - 5 @ 10 gal./A	5/26/2018
	28 - 0 - 0 - 5 @ 10 gal./A	6/15/2018
	28 - 0 - 0 - 5 @ 10 gal./A	7/2/2018
	28 - 0 - 0 - 5 @ 10 gal./A	7/12/2018
FUNGICIDE APPLIED:	TRIVAPRO A @ 4.1 oz./ac. + TRIVAPRO B @ 10.5 oz./ac.	7/20/2018
APPLIED WATER:	13.0 inches	RAINFALL: 14.26 inches
RAINFALL by MONTH:	May - 4.27", June - 5.91", July - .63", August - 1.89", September - .47", October - 1.09"	
GROUND SPRAY APPLICATIONS:	ACURON @ 1.5 qt./A + ROUNDUP POWERMAX @ 32 oz./A + AMS @ 1 qt./100 gal. + NIS @ 1 qt./100 gal.	5/9/2018
	HALEX GT @ 2.6 pt./A + ROUNDUP POWERMAX @ 32 oz./A + AMS @ 1 qt./100 gal. + NIS @ 1 qt./100 gal.	6/6/2018
SPECIAL SEASONAL NOTES:	HAIL EVENT: On June 6th the IRF experienced baseball sized hail with 3.19" of rainfall and 60 mph wind gusts resulting in significant crop injury, and loss of plant stand.	

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.



# SECOND YEAR MANURE APPLIED TRIAL

2018 manure applications were repeated from 2017 trials

PROTOCOL	NO MANURE		7.5 TONS OF MANURE		15 TONS OF MANURE	
	AVERAGE MOISTURE	AVERAGE BUSHEL PER ACRE	AVERAGE MOISTURE	AVERAGE BUSHEL PER ACRE	AVERAGE MOISTURE	AVERAGE BUSHEL PER ACRE
<b>2018 applied</b> <b>0 STRIP TILL &amp;</b> <b>0 2 x 2 STARTER FERTILIZERS</b> 2017 applied 100 % STRIP TILL & 100% 2 x 2 STARTER FERTILIZER	16.9	181.8	16.9	204.7	17.0	213.5
<b>2018 applied</b> <b>50% STRIP TILL &amp;</b> <b>50% 2 x 2 STARTER FERTILIZERS</b> 2017 applied 100 % STRIP TILL & 100% 2 x 2 STARTER FERTILIZER	16.8	213.9	16.7	228.2	16.8	228.7
<b>2018 applied</b> <b>100% STRIP TILL &amp;</b> <b>0 2 x 2 STARTER FERTILIZERS</b> 2017 applied 100 % STRIP TILL & 100% 2 x 2 STARTER FERTILIZER	17.2	218.3	17.1	237.6	17.2	236.0
<b>2018 applied</b> <b>100% STRIP TILL &amp;</b> <b>50% 2 x 2 STARTER FERTILIZERS</b> 2017 applied 100 % STRIP TILL & 100% 2 x 2 STARTER FERTILIZER	16.3	235.5	16.3	244.2	16.4	245.9
<b>2018 applied</b> <b>100% STRIP TILL &amp;</b> <b>100% 2 x 2 STARTER FERTILIZERS</b> 2017 applied 100 % STRIP TILL & 100% 2 x 2 STARTER FERTILIZER	16.6	233.6	16.5	244.4	16.6	247.0