

# WESTERN KANSAS IRRIGATION

SEPTEMBER 26, 2025

WISH-119622

CUSTOMER : ALFALFA FARMS

2021 LINDSAY GEN II - 30

LEGAL : SW 1/4 23-26-37

9 TOWER - 1295.55 FT

P.O. NO. : INV170075

SYSTEM 600 GPM @ 30 PSI

SENNINGER UP3 I-WOB2

SENNINGER 10 PSI REGULATORS

NO ENDGUN

ELEVATION 0 FT UP, 0 FT DOWN

2729 WEST OKLAHOMA  
ULYSSES, KANSAS 67880

(620)353-1111

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WARRANTY

WATER APPLICATION UNIFORMITY OBTAINED WITH THIS SYSTEM CAN BE ADVERSELY AFFECTED BY MANY VARIABLES INCLUDING THE IMPROPER MAKEUP OR INSTALLATION OF THE SPRINKLER OR SPRAY NOZZLE PACKAGE, OBSTRUCTED NOZZLES, MAINTAINING INCORRECT PIVOT PRESSURE, UNFAVORABLE CLIMATIC CONDITIONS, TIGHT AND/OR SLOPING SOILS, IMPROPER END GUN ARC SETTINGS, ERRATIC AND IMPROPER OPERATING SPEED OF THE SYSTEM, POOR QUALITY OF WATER WITH ABRASIVES, CORROSIVES, AND/OR SOLIDS WHICH CAN CAUSE PLUGGING AND JAMMING, AS WELL AS INHERENT VARIABLES IN THE MANY COMPONENTS COMPRISING THE SYSTEM. THEREFORE WESTERN IRRIGATION SUPPLY HOUSE, INC., MAKES NO WARRANTY AS TO THE UNIFORMITY OF COVERAGE OBTAINED FROM THIS WATER APPLICATION PRINTOUT OTHER THAN ITS MATHEMATICAL ACCURACY.

IT IS THE RESPONSIBILITY OF THE END USER TO DETERMINE IF ANY INCOMPATIBILITY EXISTS BETWEEN THE WATER DISTRIBUTION DEVICES AND THE CROP, THE SOIL, AND THE PHYSICAL STRUCTURE OF THE MECHANICAL MOVE SYSTEM. WESTERN IRRIGATION SUPPLY HOUSE, INC., THEREFORE, DISCLAIMS ANY LIABILITY FOR DAMAGES DUE TO FAILURE OF THE SYSTEM TO PERFORM AS CONTEMPLATED.

FIGURES PRESENTED ON THIS COMPUTER PRINTOUT ARE BASED ON THE FOLLOWING:

1. DATA FURNISHED TO WESTERN IRRIGATION SUPPLY HOUSE, INC., ON PIPE LENGTH, DIAMETER, SURFACE FINISH, OUTLET SPACINGS, WATER FLOW, PIVOT PRESSURE AND ALL OTHER APPLICABLE INFORMATION.
2. THERE IS 100% WATER APPLICATION EFFICIENCY (ZERO WIND VELOCITY AND NO EVAPORATION).
3. PIVOT PRESSURE IS MEASURED ON THE MAIN HORIZONTAL DISTRIBUTION PIPE JUST AFTER THE LAST ELBOW.
4. MAIN PIPE PRESSURE IS CALCULATED AS IF THE PIVOT IS ALWAYS ON LEVEL GROUND.
5. SPRINKLER OR SPRAY NOZZLE BASE PRESSURE MAY BE LESS THAN MAIN LINE PIPE PRESSURE DUE TO THE USE OF PRESSURE REGULATORS. WHERE DROP PIPES ARE USED THE STATIC HEAD IS ADDED TO AND FRICTION LOSS IS SUBTRACTED FROM THE MAIN LINE PIPE PRESSURE TO DETERMINE INLET PSI. REGULATORS ARE CONSIDERED MOUNTED AT THE SAME HEIGHT AS THE SPRINKLING DEVICE UNLESS NOTED.

2021 LINDSAY GEN II - 30

SEPTEMBER 26, 2025

WISH-119622

DEALER

WESTERN KANSAS IRRIGATION  
2729 WEST OKLAHOMA  
ULYSSES, KANSAS 67880

IRRIGATOR

ALFALFA FARMS  
SW 1/4 23-26-37  
INV170075

TOTAL TARGET GPM	600.00	FRICTION FACTOR USED	138	SPANS	LENGTH	PIPE I.D.
TOP OF PIVOT PRESSURE	30.00	TOTAL LENGTH	1295.55	1	159.64	6.395
NO ENDGUN		NUMBER OF TOWERS	9	1	157.04	6.395
NUMBER OF OUTLETS	526	NUMBER OF SPRINKLERS	151	7	135.00	6.395

SENNINGER UP3 I-WOB2 - STANDARD ANGLE 9 GROOVE BLACK PADS

SENNINGER PSR-2 10 PSI SERIES REGULATORS

DROPS AVERAGE 10 FT OF .75 I.D. FLEXIBLE HOSE

ELEVATION IS 0 FT UP AND 0 FT DOWN

CAUTIONS AND WARNINGS

1. Over watering at beginning of system due to practical limitations on smallest nozzle sizes available and/or allowable for proper operation.
2. When using spray nozzles with five foot ground clearance or less, nozzle should travel between crop rows and spacing should not exceed 80 inches.

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
1		2.92	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	1
2		5.50	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	2
3		7.83	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	3
4		10.33	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	4
5		12.83	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	5
6		15.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6
7		17.67	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	7
8		20.17	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	8
9		22.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	9
10		25.01	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	10
11		27.51	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	11
12	29.93	29.93	0.50	0.85	29.28	11.40	I-WOB2 UP3 6 GOLD	1	SPSR2-10	
13		32.35	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	12
14		34.85	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	13
15		37.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	14
16		39.69	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	15
17		42.19	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	16
18	14.76	44.69	0.47	0.85	28.91	11.40	I-WOB2 UP3 6 GOLD	2	SPSR2-10	
19		47.02	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	17
20		49.51	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	18
21		51.84	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	19
22		54.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	20
23		56.84	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	21
24	14.57	59.26	0.62	0.85	28.63	11.40	I-WOB2 UP3 6 GOLD	3	SPSR2-10	
25		61.68	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	22
26		64.18	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	23
27		66.68	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	24
28		69.01	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	25
29		71.54	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	26
30	14.61	73.87	0.77	0.85	28.43	11.40	I-WOB2 UP3 6 GOLD	4	SPSR2-10	
31		76.37	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	27
32		78.87	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	28
33		81.29	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	29
34		83.71	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	30
35		86.21	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	31
36	14.76	88.63	0.93	1.00	28.32	11.40	I-WOB2 UP3 6.5 GOLD	5	SPSR2-10	
37		91.05	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	32
38		93.55	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	33
39		95.97	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	34
40		98.39	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	35
41		100.89	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	36
42	14.68	103.31	1.08	1.00	28.29	11.40	I-WOB2 UP3 6.5 GOLD	6	SPSR2-10	
43		105.73	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	37
44		108.23	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	38
45		110.73	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	39
46		113.06	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	40
47		115.54	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	41
48	14.56	117.87	1.23	1.16	28.34	11.40	I-WOB2 UP3 7 LIME	7	SPSR2-10	





OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
143		351.35	1.85	1.93	26.67	11.40	I-WOB2 UP3 9 GREY	25	SPSR2-10	
144		353.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	119
145		356.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	120
146	7.42	358.77	1.86	1.93	26.52	11.40	I-WOB2 UP3 9 GREY	26	SPSR2-10	
147		361.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	121
148		363.58	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	122
149	7.14	365.91	1.90	1.93	26.41	11.40	I-WOB2 UP3 9 GREY	27	SPSR2-10	
150		368.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	123
151		370.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	124
152	7.42	373.33	1.96	1.93	26.31	11.40	I-WOB2 UP3 9 GREY	28	SPSR2-10	
153		375.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	125
154		378.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	126
155	7.34	380.67	1.99	1.93	26.24	11.40	I-WOB2 UP3 9 GREY	29	SPSR2-10	
156		383.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	127
157		385.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	128
158	7.34	388.01	2.03	1.93	26.19	11.40	I-WOB2 UP3 9 GREY	30	SPSR2-10	
159		390.43	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	129
160		392.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	130
161	7.34	395.35	2.08	2.16	26.17	11.38	I-WOB2 UP3 9.5 GREY	31	SPSR2-10	
162		397.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	131
163		400.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	132
164	7.42	402.77	2.09	2.16	26.17	11.38	I-WOB2 UP3 9.5 GREY	32	SPSR2-10	
165		405.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	133
166		407.58	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	134
167	7.14	409.91	2.13	2.16	26.19	11.38	I-WOB2 UP3 9.5 GREY	33	SPSR2-10	
168		412.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	135
169		414.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	136
170	7.42	417.33	2.20	2.16	26.24	11.38	I-WOB2 UP3 9.5 GREY	34	SPSR2-10	
171		419.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	137
172		422.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	138
173	7.34	424.67	2.22	2.16	26.31	11.38	I-WOB2 UP3 9.5 GREY	35	SPSR2-10	
174		427.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	139
175		429.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	140
176	7.34	432.01	2.26	2.16	26.41	11.38	I-WOB2 UP3 9.5 GREY	36	SPSR2-10	
177		434.43	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	141
178		436.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	142
179	7.34	439.35	2.31	2.39	26.53	11.36	I-WOB2 UP3 10 TURQUOISE	37	SPSR2-10	
180		441.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	143
181		444.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	144
182	7.42	446.77	2.80	2.89	26.61	11.31	I-WOB2 UP3 11 YELLOW	38	SPSR2-10	
183		449.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	145
TOWER 3	135.00	451.68								
184		452.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	146
185		454.58	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	147
186	10.14	456.91	2.86	2.89	26.54	11.31	I-WOB2 UP3 11 YELLOW	39	SPSR2-10	
187		459.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	148
188		461.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	149
189	7.42	464.33	2.44	2.39	26.33	11.36	I-WOB2 UP3 10 TURQUOISE	40	SPSR2-10	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
190		466.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	150
191		469.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	151
192	7.34	471.67	2.47	2.39	26.12	11.36	I-WOB2 UP3 10 TURQUOISE	41	SPSR2-10	
193		474.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	152
194		476.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	153
195	7.34	479.01	2.51	2.39	25.93	11.36	I-WOB2 UP3 10 TURQUOISE	42	SPSR2-10	
196		481.43	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	154
197		483.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	155
198	7.34	486.35	2.56	2.63	25.77	11.34	I-WOB2 UP3 10.5 TURQUOISE	43	SPSR2-10	
199		488.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	156
200		491.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	157
201	7.42	493.77	2.56	2.63	25.63	11.34	I-WOB2 UP3 10.5 TURQUOISE	44	SPSR2-10	
202		496.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	158
203		498.58	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	159
204	7.14	500.91	2.60	2.63	25.52	11.34	I-WOB2 UP3 10.5 TURQUOISE	45	SPSR2-10	
205		503.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	160
206		505.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	161
207	7.42	508.33	2.67	2.63	25.43	11.34	I-WOB2 UP3 10.5 TURQUOISE	46	SPSR2-10	
208		510.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	162
209		513.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	163
210	7.34	515.67	2.70	2.63	25.37	11.34	I-WOB2 UP3 10.5 TURQUOISE	47	SPSR2-10	
211		518.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	164
212		520.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	165
213	7.34	523.01	2.74	2.63	25.33	11.34	I-WOB2 UP3 10.5 TURQUOISE	48	SPSR2-10	
214		525.43	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	166
215		527.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	167
216	7.34	530.35	2.79	2.89	25.31	11.31	I-WOB2 UP3 11 YELLOW	49	SPSR2-10	
217		532.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	168
218		535.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	169
219	7.42	537.77	2.79	2.89	25.32	11.31	I-WOB2 UP3 11 YELLOW	50	SPSR2-10	
220		540.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	170
221		542.58	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	171
222	7.14	544.91	2.83	2.89	25.35	11.31	I-WOB2 UP3 11 YELLOW	51	SPSR2-10	
223		547.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	172
224		549.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	173
225	7.42	552.33	2.91	2.89	25.41	11.31	I-WOB2 UP3 11 YELLOW	52	SPSR2-10	
226		554.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	174
227		557.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	175
228	7.34	559.67	2.93	2.89	25.48	11.31	I-WOB2 UP3 11 YELLOW	53	SPSR2-10	
229		562.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	176
230		564.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	177
231	7.34	567.01	2.97	2.89	25.59	11.31	I-WOB2 UP3 11 YELLOW	54	SPSR2-10	
232		569.43	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	178
233		571.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	179
234	7.34	574.35	3.02	2.89	25.72	11.31	I-WOB2 UP3 11 YELLOW	55	SPSR2-10	
235		576.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	180
236		579.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	181
237	7.42	581.77	3.65	3.73	25.80	11.23	I-WOB2 UP3 12.5 RED	56	SPSR2-10	





OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
332		7.14	814.91	4.23	4.34	24.14	11.17 I-WOB2 UP3 13.5 WHITE	87	SPSR2-10	
333			817.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	246
334			819.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	247
335		7.42	822.33	4.32	4.34	24.21	11.17 I-WOB2 UP3 13.5 WHITE	88	SPSR2-10	
336			824.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	248
337			827.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	249
338		7.34	829.67	4.34	4.34	24.31	11.17 I-WOB2 UP3 13.5 WHITE	89	SPSR2-10	
339			832.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	250
340			834.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	251
341		7.34	837.01	4.38	4.34	24.43	11.17 I-WOB2 UP3 13.5 WHITE	90	SPSR2-10	
342			839.43	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	252
343			841.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	253
344		7.34	844.35	4.44	4.34	24.58	11.17 I-WOB2 UP3 13.5 WHITE	91	SPSR2-10	
345			846.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	254
346			849.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	255
347		7.42	851.77	5.33	5.34	24.68	11.04 I-WOB2 UP3 15 DK BROWN	92	SPSR2-10	
348			854.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	256
TOWER 6		135.00	856.68							
349			857.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	257
350			859.58	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	258
351		10.14	861.91	5.39	5.34	24.65	11.04 I-WOB2 UP3 15 DK BROWN	93	SPSR2-10	
352			864.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	259
353			866.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	260
354		7.42	869.33	4.57	4.66	24.47	11.13 I-WOB2 UP3 14 BLUE	94	SPSR2-10	
355			871.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	261
356			874.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	262
357		7.34	876.67	4.58	4.66	24.28	11.13 I-WOB2 UP3 14 BLUE	95	SPSR2-10	
358			879.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	263
359			881.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	264
360		7.34	884.01	4.62	4.66	24.13	11.13 I-WOB2 UP3 14 BLUE	96	SPSR2-10	
361			886.43	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	265
362			888.93	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	266
363		7.34	891.35	4.69	4.66	23.99	11.13 I-WOB2 UP3 14 BLUE	97	SPSR2-10	
364			893.77	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	267
365			896.27	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	268
366		7.42	898.77	4.66	4.66	23.88	11.13 I-WOB2 UP3 14 BLUE	98	SPSR2-10	
367			901.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	269
368			903.58	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	270
369		7.14	905.91	4.70	4.66	23.80	11.13 I-WOB2 UP3 14 BLUE	99	SPSR2-10	
370			908.41	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	271
371			910.91	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	272
372		7.42	913.33	4.80	4.66	23.73	11.13 I-WOB2 UP3 14 BLUE	100	SPSR2-10	
373			915.75	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	273
374			918.25	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	274
375		7.34	920.67	4.82	4.66	23.70	11.13 I-WOB2 UP3 14 BLUE	101	SPSR2-10	
376			923.09	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	275
377			925.59	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	276
378		7.34	928.01	4.86	4.99	23.68	11.10 I-WOB2 UP3 14.5 BLUE	102	SPSR2-10	







OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
519		1275.97	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	371
520	7.34	1278.47	6.60	6.78	24.19	10.78	I-WOB2 UP3 17 DK GREEN	149	SPSR2-10	
521		1280.97	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	372
522		1283.30	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	373
523	7.33	1285.80	6.61	6.78	24.19	10.78	I-WOB2 UP3 17 DK GREEN	150	SPSR2-10	
524		1288.30	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	374
525		1290.80	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	375
526	7.50	1293.30	6.63	6.78	24.19	10.78	I-WOB2 UP3 17 DK GREEN	151	SPSR2-10	
OVERHANG		33.87	1295.55							

TOTAL GPM = 600.57

GPA = 4.95

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 15.00 PSI  
 WITH GRADUATED ELEVATION OF .00 FT THE INLET PRESSURE IS 27.06 PSI FOR SPRINKLER 129  
 THIS POSITION IS THE CLOSEST TO THE MINIMUM RECOMMENDED INLET PRESSURE

#### HYDRAULICS SUMMARY

TOWER NUMBER	ACRES UNDER SPAN	GPM NEED	ACTUAL GPM	PERCENT DEVIATION	GPM PER ACRE	AVERAGE IN. PER HR DELIVERED UNDER SPAN	AVERAGE IN. DELIVERED FOR REVOLUTION TIME		
							36 HR	48 HR	60 HR
1	1.84	9.09	10.08	11%	5.49	0.012	0.44	0.58	0.73
2	5.39	26.69	26.30	-1%	4.87	0.011	0.39	0.52	0.65
3	7.48	37.02	37.09	0%	4.96	0.011	0.39	0.53	0.66
4	10.11	50.03	49.80	0%	4.93	0.011	0.39	0.52	0.65
5	12.74	63.03	62.90	0%	4.94	0.011	0.39	0.52	0.65
6	15.37	76.04	76.29	0%	4.96	0.011	0.39	0.53	0.66
7	18.00	89.05	88.72	0%	4.93	0.011	0.39	0.52	0.65
8	20.63	102.06	102.27	0%	4.96	0.011	0.39	0.53	0.66
9	23.25	115.07	114.86	0%	4.94	0.011	0.39	0.52	0.65
OVERHANG	6.25	30.91	32.25	4%	5.16	0.011	0.41	0.55	0.68
TOTAL	121.05	599.00	600.57		4.96				

**SUMMARY OF SPRINKLERS**

4 I-WOB2 UP3 6 GOLD  
2 I-WOB2 UP3 6.5 GOLD  
1 I-WOB2 UP3 7 LIME  
1 I-WOB2 UP3 7.5 LIME  
4 I-WOB2 UP3 8.5 LAVENDER  
10 I-WOB2 UP3 9 GREY  
7 I-WOB2 UP3 9.5 GREY  
6 I-WOB2 UP3 10 TURQUOISE  
8 I-WOB2 UP3 10.5 TURQUOISE  
11 I-WOB2 UP3 11 YELLOW  
6 I-WOB2 UP3 11.5 YELLOW  
7 I-WOB2 UP3 12 RED  
7 I-WOB2 UP3 12.5 RED  
8 I-WOB2 UP3 13 WHITE  
8 I-WOB2 UP3 13.5 WHITE  
9 I-WOB2 UP3 14 BLUE  
8 I-WOB2 UP3 14.5 BLUE  
8 I-WOB2 UP3 15 DK BROWN  
10 I-WOB2 UP3 15.5 DK BROWN  
8 I-WOB2 UP3 16 ORANGE  
12 I-WOB2 UP3 16.5 ORANGE  
4 I-WOB2 UP3 17 DK GREEN  
2 I-WOB2 UP3 17.5 DK GREEN

**375 PLUGS****SUMMARY OF REGULATORS**

151 Senn PSR2 10 psi

**TOTAL OF 151 REGULATORS**

## NOZZLE POSITION CHART

I-WOB2 UP3 6 GOLD	1, 2, 3, 4
I-WOB2 UP3 6.5 GOLD	5, 6
I-WOB2 UP3 7 LIME	7
I-WOB2 UP3 7.5 LIME	8
I-WOB2 UP3 8.5 LAVENDER	9, 22, 23, 24
I-WOB2 UP3 9 GREY	10, 11, 12, 21, 25, 26, 27, 28, 29, 30
I-WOB2 UP3 9.5 GREY	13, 31, 32, 33, 34, 35, 36
I-WOB2 UP3 10 TURQUOISE	14, 15, 37, 40, 41, 42
I-WOB2 UP3 10.5 TURQUOISE	16, 20, 43, 44, 45, 46, 47, 48
I-WOB2 UP3 11 YELLOW	17, 18, 38, 39, 49, 50, 51, 52, 53, 54, 55
I-WOB2 UP3 11.5 YELLOW	19, 58, 59, 60, 61, 62
I-WOB2 UP3 12 RED	63, 64, 65, 66, 67, 68, 69
I-WOB2 UP3 12.5 RED	56, 57, 70, 71, 72, 73, 76
I-WOB2 UP3 13 WHITE	77, 78, 79, 80, 81, 82, 83, 84
I-WOB2 UP3 13.5 WHITE	74, 85, 86, 87, 88, 89, 90, 91
I-WOB2 UP3 14 BLUE	75, 94, 95, 96, 97, 98, 99, 100, 101
I-WOB2 UP3 14.5 BLUE	102, 103, 104, 105, 106, 107, 108, 109
I-WOB2 UP3 15 DK BROWN	92, 93, 112, 113, 114, 115, 116, 117
I-WOB2 UP3 15.5 DK BROWN	118, 119, 120, 121, 122, 123, 124, 125, 126, 127
I-WOB2 UP3 16 ORANGE	110, 130, 131, 132, 133, 134, 135, 136
I-WOB2 UP3 16.5 ORANGE	111, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147
I-WOB2 UP3 17 DK GREEN	148, 149, 150, 151
I-WOB2 UP3 17.5 DK GREEN	128, 129

# WESTERN KANSAS IRRIGATION

2729 WEST OKLAHOMA  
ULYSSES, KANSAS 67880

2021 LINDSAY GEN II - 30

SENNINGER UP3 I-WOB2

SENNINGER 10 PSI REGULATORS

.75 I.D. FLEXIBLE HOSE

NO ENDGUN

SEPTEMBER 26, 2025

WISH-119622

ALFALFA FARMS

SW 1/4 23-26-37

600 GPM @ 30 PSI

Rotation time at 100% = 15.92 Hours Or 955 minutes

## Installation Chart

Page 1

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg
1	PLUG				61	PLUG				56	PLUG				51	PLUG				37	10	PSR210	55	PLUG
2	PLUG				62	PLUG				57	19	11.5	PSR210		52	PLUG				TOWER 4				
3	PLUG				63	PLUG				58	PLUG				53	PLUG				1	PLUG			
4	PLUG				64	PLUG				59	PLUG				54	PLUG				2	PLUG			
5	PLUG				<b>TOWER 1</b>					60	PLUG				55	PLUG				3	PLUG			
6	PLUG				1	PLUG				61	PLUG				1	PLUG				4	PLUG			
7	PLUG				2	PLUG				62	PLUG				2	PLUG				5	PLUG			
8	PLUG				3	PLUG	10	9	PSR210	63	PLUG	20	10.5	PSR210		2	PLUG			6	PLUG			
9	PLUG				4	PLUG				64	PLUG				3	PLUG				7	PLUG			
10	PLUG				5	PLUG				<b>TOWER 2</b>					4	PLUG				8	PLUG			
11	PLUG				6	PLUG				1	PLUG				5	PLUG				9	PLUG			
12	1	6	PSR210		7	PLUG				2	PLUG				6	40	10	PSR210		10	PLUG			
13	PLUG				8	PLUG				3	PLUG	21	9	PSR210		7	PLUG			11	PLUG			
14	PLUG				9	PLUG	11	9	PSR210	4	PLUG				8	PLUG				12	PLUG			
15	PLUG				10	PLUG				5	PLUG				9	41	10	PSR210		13	PLUG			
16	PLUG				11	PLUG				6	PLUG	22	8.5	PSR210		10	PLUG			14	PLUG			
17	PLUG				12	PLUG				7	PLUG				11	PLUG				15	PLUG			
18	2	6	PSR210		13	PLUG				8	PLUG				12	42	10	PSR210		16	PLUG			
19	PLUG				14	PLUG				9	PLUG	23	8.5	PSR210		13	PLUG			17	PLUG			
20	PLUG				15	PLUG	12	9	PSR210	10	PLUG				14	PLUG				18	PLUG			
21	PLUG				16	PLUG				11	PLUG				15	43	10.5	PSR210		19	PLUG			
22	PLUG				17	PLUG				12	PLUG	24	8.5	PSR210		16	PLUG			20	PLUG			
23	PLUG				18	PLUG				13	PLUG				17	PLUG				21	PLUG			
24	3	6	PSR210		19	PLUG				14	PLUG				18	44	10.5	PSR210		22	PLUG			
25	PLUG				20	PLUG				15	PLUG	25	9	PSR210		19	PLUG			23	PLUG			
26	PLUG				21	PLUG	13	9.5	PSR210	16	PLUG				20	PLUG				24	PLUG			
27	PLUG				22	PLUG				17	PLUG				21	45	10.5	PSR210		25	PLUG			
28	PLUG				23	PLUG				18	PLUG	26	9	PSR210		22	PLUG			26	PLUG			
29	PLUG				24	PLUG				19	PLUG				23	PLUG				27	PLUG			
30	4	6	PSR210		25	PLUG				20	PLUG				24	46	10.5	PSR210		28	PLUG			
31	PLUG				26	PLUG				21	PLUG	27	9	PSR210		25	PLUG			29	PLUG			
32	PLUG				27	PLUG	14	10	PSR210	22	PLUG				26	PLUG				30	PLUG			
33	PLUG				28	PLUG				23	PLUG				27	47	10.5	PSR210		31	PLUG			
34	PLUG				29	PLUG				24	PLUG	28	9	PSR210		28	PLUG			32	PLUG			
35	PLUG				30	PLUG				25	PLUG				29	PLUG				33	PLUG			
36	5	6.5	PSR210		31	PLUG				26	PLUG				30	48	10.5	PSR210		34	PLUG			
37	PLUG				32	PLUG				27	PLUG				31	PLUG				35	PLUG			
38	PLUG				33	PLUG	15	10	PSR210	28	PLUG				32	PLUG				36	PLUG			
39	PLUG				34	PLUG				29	PLUG				33	49	11	PSR210		37	PLUG			
40	PLUG				35	PLUG				30	PLUG	30	9	PSR210		34	PLUG			38	PLUG			
41	PLUG				36	PLUG				31	PLUG				35	49	11	PSR210		39	PLUG			
42	6	6.5	PSR210		37	PLUG				32	PLUG				36	50	11	PSR210		40	PLUG			
43	PLUG				38	PLUG				33	PLUG	31	9.5	PSR210		37	PLUG			41	PLUG			
44	PLUG				39	PLUG	16	10.5	PSR210	34	PLUG				38	PLUG				42	PLUG			
45	PLUG				40	PLUG				35	PLUG				39	51	11	PSR210		43	PLUG			
46	PLUG				41	PLUG				36	PLUG	32	9.5	PSR210		40	PLUG			44	PLUG			
47	PLUG				42	PLUG				37	PLUG				41	52	11	PSR210		45	PLUG			
48	7	7	PSR210		43	PLUG				38	PLUG				42	53	11	PSR210		46	PLUG			
49	PLUG				44	PLUG				39	PLUG	33	9.5	PSR210		43	PLUG			47	PLUG			
50	PLUG				45	PLUG	17	11	PSR210	40	PLUG				44	PLUG				48	PLUG			
51	PLUG				46	PLUG				41	PLUG				45	53	11	PSR210		49	PLUG			
52	PLUG				47	PLUG				42	PLUG	34	9.5	PSR210		46	PLUG			50	PLUG			
53	PLUG				48	PLUG				43	PLUG				47	54	11	PSR210		51	PLUG			
54	8	7.5	PSR210		49	PLUG				44	PLUG	35	9.5	PSR210		48	PLUG			52	PLUG			
55	PLUG				50	PLUG	18	11	PSR210	46	PLUG				49	55	11	PSR210		53	PLUG			
56	PLUG				51	PLUG				47	PLUG				50	56	12.5	PSR210		54	PLUG			
57	PLUG				52	PLUG				48	PLUG	36	9.5	PSR210		51	PLUG			55	PLUG			
58	PLUG				53	PLUG				49	PLUG				52	57	12.5	PSR210		56	PLUG			
59	PLUG				54	PLUG				50	PLUG				53	58	11.5	PSR210		57	PLUG			
60	9	8.5	PSR210		55	PLUG				51	PLUG				54	59	11.5	PSR210		60	PLUG			

**TOWER 5**

# WESTERN KANSAS IRRIGATION

2729 WEST OKLAHOMA  
ULYSSES, KANSAS 67880

2021 LINDSAY GEN II - 30

SENNINGER UP3 I-WOB2

SENNINGER 10 PSI REGULATORS

.75 I.D. FLEXIBLE HOSE

NO ENDGUN

SEPTEMBER 26, 2025  
WISH-119622  
ALFALFA FARMS  
SW 1/4 23-26-37  
600 GPM @ 30 PSI

Rotation time at 100% = 15.92 Hours Or 955 minutes

Page 2

## Installation Chart

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	
3		75	14	PSR210	7	PLUG	8	PLUG		11	PLUG	12	114	15	PSR210	15	PLUG	133	16	PSR210
4	PLUG				9		95	14	PSR210	13	PLUG	14		PLUG	16	PLUG	17	PLUG		
5	PLUG		12.5	PSR210	10	PLUG	11	PLUG		15	PLUG	17	115	15	PSR210	18	PLUG	134	16	PSR210
6					12	PLUG	96	14	PSR210	16	PLUG	18		PLUG	19	PLUG	20	PLUG		
7	PLUG				13	PLUG	14	PLUG		17	PLUG	19	116	15	PSR210	21	PLUG	135	16	PSR210
8	PLUG				15	PLUG	97	14	PSR210	19	PLUG	20		PLUG	22	PLUG	23	PLUG		
9					16	PLUG	17	PLUG		21	PLUG	24		PLUG	25	PLUG	26	PLUG		
10	PLUG				18	PLUG	98	14	PSR210	22	PLUG	25	117	15	PSR210	27	PLUG	137	16.5	PSR210
11	PLUG				19	PLUG	20	PLUG		23	PLUG	26		PLUG	28	PLUG	29	PLUG		
12					21	PLUG	99	14	PSR210	25	PLUG	27	118	15.5	PSR210	30	PLUG	138	16.5	PSR210
13	PLUG				23	PLUG	22	PLUG		28	PLUG	30		PLUG	31	PLUG	32	PLUG		
14	PLUG				24	PLUG	100	14	PSR210	29	PLUG	32	120	15.5	PSR210	33	PLUG	139	16.5	PSR210
15					25	PLUG	26	PLUG		30	PLUG	35		PLUG	36	PLUG	37	PLUG		
16	PLUG				27	PLUG	101	14	PSR210	31	PLUG	37	121	15.5	PSR210	38	PLUG	140	16.5	PSR210
17	PLUG				28	PLUG	29	PLUG		33	PLUG	39		PLUG	40	PLUG	41	PLUG		
18					30	PLUG	102	14.5	PSR210	34	PLUG	42	122	15.5	PSR210	42	PLUG	142	16.5	PSR210
19	PLUG				31	PLUG	31	PLUG		35	PLUG	44		PLUG	45	PLUG	46	PLUG		
20	PLUG				32	PLUG	32	PLUG		36	PLUG	47	123	15.5	PSR210	48	PLUG	144	16.5	PSR210
21					33	PLUG	103	14.5	PSR210	37	PLUG	49		PLUG	50	PLUG	51	PLUG		
22	PLUG				34	PLUG	34	PLUG		38	PLUG	52	124	15.5	PSR210	52	PLUG	145	16.5	PSR210
23	PLUG				35	PLUG	35	PLUG		39	PLUG	53		PLUG	53	PLUG	54	PLUG		
24					36	PLUG	104	14.5	PSR210	40	PLUG	54	125	15.5	PSR210	55	PLUG	146	16.5	PSR210
25	PLUG				37	PLUG	37	PLUG		41	PLUG	56		PLUG	57	PLUG	58	PLUG		
26	PLUG				38	PLUG	38	PLUG		42	PLUG	59	126	15.5	PSR210	60	PLUG	147	16.5	PSR210
27					39	PLUG	105	14.5	PSR210	43	PLUG	60		PLUG	61	PLUG	62	PLUG		
28	PLUG				40	PLUG	41	PLUG		44	PLUG	63	127	15.5	PSR210	64	PLUG	148	17	PSR210
29	PLUG				42	PLUG	106	14.5	PSR210	46	PLUG	65		PLUG	66	PLUG	67	PLUG		
30					43	PLUG	43	PLUG		47	PLUG	68	128	17.5	PSR210	69	PLUG	149	17	PSR210
31	PLUG				44	PLUG	44	PLUG		48	PLUG	70		PLUG	71	PLUG	72	PLUG		
32	PLUG				45	PLUG	107	14.5	PSR210	49	PLUG	73	129	17.5	PSR210	74	PLUG	150	17	PSR210
33					46	PLUG	47	PLUG		50	PLUG	75		PLUG	76	PLUG	77	PLUG		
34	PLUG				48	PLUG	108	14.5	PSR210	52	PLUG	78	130	16	PSR210	79	PLUG	151	17	PSR210
35	PLUG				49	PLUG	49	PLUG		53	PLUG	80		PLUG	81	PLUG	82	PLUG		
36					50	PLUG	109	14.5	PSR210	55	PLUG	83	131	16	PSR210	84	PLUG	152	17	PSR210
37	PLUG				51	PLUG	51	PLUG		56	PLUG	85		PLUG	86	PLUG	87	PLUG		
38	PLUG				52	PLUG	52	PLUG		57	PLUG	88	132	16	PSR210	89	PLUG	153	17	PSR210
39					53	PLUG	53	PLUG		58	PLUG	90		PLUG	91	PLUG	92	PLUG		
40	PLUG				54	PLUG	54	PLUG		59	PLUG	93	133	16	PSR210	94	PLUG	154	17	PSR210
41	PLUG				55	PLUG	55	PLUG		60	PLUG	95		PLUG	96	PLUG	97	PLUG		
42					56	PLUG	56	PLUG		61	PLUG	98	134	16	PSR210	99	PLUG	155	17	PSR210
43	PLUG				57	PLUG	57	PLUG		62	PLUG	100		PLUG	101	PLUG	102	PLUG		
44	PLUG				58	PLUG	58	PLUG		63	PLUG	103		PLUG	104	PLUG	105	PLUG		
45					59	PLUG	59	PLUG		64	PLUG	106		PLUG	107	PLUG	108	PLUG		
46	PLUG				60	PLUG	60	PLUG		65	PLUG	109		PLUG	110	PLUG	111	PLUG		
47	PLUG				61	PLUG	61	PLUG		66	PLUG	112		PLUG	113	PLUG	114	PLUG		
48					62	PLUG	62	PLUG		67	PLUG	115		PLUG	116	PLUG	117	PLUG		
49	PLUG				63	PLUG	63	PLUG		68	PLUG	118		PLUG	119	PLUG	120	PLUG		
50	PLUG				64	PLUG	64	PLUG		69	PLUG	121		PLUG	122	PLUG	123	PLUG		
51					65	PLUG	65	PLUG		70	PLUG	124		PLUG	125	PLUG	126	PLUG		
52	PLUG				66	PLUG	66	PLUG		71	PLUG	127		PLUG	128	PLUG	129	PLUG		
53	PLUG				67	PLUG	67	PLUG		72	PLUG	130		PLUG	131	PLUG	132	PLUG		
54					68	PLUG	68	PLUG		73	PLUG	133		PLUG	134	PLUG	135	PLUG		
55	PLUG				69	PLUG	69	PLUG		74	PLUG	136		PLUG	137	PLUG	138	PLUG		
1	TOWER 6				70	PLUG	70	PLUG		75	PLUG	139		PLUG	140	PLUG	141	PLUG		
2	PLUG				71	PLUG	71	PLUG		76	PLUG	142		PLUG	143	PLUG	144	PLUG		
3	PLUG				72	PLUG	72	PLUG		77	PLUG	145		PLUG	146	PLUG	147	PLUG		
4					73	PLUG	73	PLUG		78	PLUG	148		PLUG	149	PLUG	150	PLUG		
5	PLUG				74	PLUG	74	PLUG		79	PLUG	151		PLUG	152	PLUG	153	PLUG		
6	PLUG				75	PLUG	75	PLUG		80	PLUG	154		PLUG	155	PLUG	156	PLUG		
					76	PLUG	76	PLUG		81	PLUG	157		PLUG	158	PLUG	159	PLUG		
					77	PLUG	77	PLUG		82	PLUG	160		PLUG	161	PLUG	162	PLUG		
					78	PLUG	78	PLUG		83	PLUG	163		PLUG	164	PLUG	165	PLUG		
					79	PLUG	79	PLUG		84	PLUG	166		PLUG	167	PLUG	168	PLUG		
					80	PLUG	80	PLUG		85	PLUG	169		PLUG	170	PLUG	171	PLUG		
					81	PLUG	81	PLUG		86	PLUG	172		PLUG	173	PLUG	174	PLUG		
					82	PLUG	82	PLUG		87	PLUG	175		PLUG	176	PLUG	177	PLUG		
					83	PLUG	83	PLUG		88	PLUG	178		PLUG	179	PLUG	180	PLUG		
					84	PLUG	84	PLUG		89	PLUG	181		PLUG	182	PLUG	183	PLUG		
					85	PLUG	85	PLUG		90	PLUG	184		PLUG	185	PLUG	186	PLUG		
					86	PLUG	86	PLUG		91	PLUG	187		PLUG	188	PLUG	189	PLUG		
					87	PLUG	87	PLUG		92	PLUG	190		PLUG	191	PLUG	192	PLUG		
					88	PLUG	88	PLUG		93	PLUG	193		PLUG	194	PLUG	195	PLUG		
					89	PLUG	89	PLUG		94	PLUG	196		PLUG	197	PLUG	198	PLUG		
					90	PLUG	90	PLUG		95	PLUG	199		PLUG	200	PLUG	201	PLUG		
					91	PLUG	91	PLUG		96	PLUG	202		PLUG	203	PLUG	204	PLUG		
					92	PLUG	92	PLUG		97	PLUG	205		PLUG	206	PLUG	207	PLUG		
					93	PLUG	93	PLUG		98	PLUG	208		PLUG	209	PLUG	210	PLUG		
					94	PLUG	94	PLUG		95	PLUG	211		PLUG	212	PLUG	213	PLUG		

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119622

SEPTEMBER 26, 2025

DEALER - WESTERN KANSAS IRRIGATION

IRRIGATOR - ALFALFA FARMS  
FIELD - SW 1/4 23-26-37

TOTAL LENGTH PIPE = 1295.55    SYSTEM PRESSURE = 30 PSI  
 GPM UNDER PIPE = 600.57    TOTAL GPM = 600.57  
 ACRES UNDER PIPE = 121.05  
 RANGE OF ENDGUN = .00  
 GPM OF ENDGUN = .00  
 ACRES UNDER ENDGUN = .00

MOTOR SIZE (HP) = 3/4  
 LOADED MOTOR RPM = 1750  
 CENTER GEAR BOX RATIO = 40  
 WHEEL GEAR BOX RATIO = 50  
 TIRE SIZE = 11.2 X 24  
 LAST TOWER SPEED (FPM) = 8.30

**PRECIPITATION BASED****% TIMER BASED**

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.17	100.00	15.92 - 955(min)	100.00	.17	15.92 - 955(min)
.20	87.25	18.24	90.00	.19	17.69
.25	69.80	22.81	80.00	.22	19.90
.30	58.17	27.37	70.00	.25	22.74
.40	43.63	36.49	60.00	.29	26.53
.50	34.90	45.61	50.00	.35	31.84
.60	29.08	54.73	45.00	.39	35.37
.70	24.93	63.86	40.00	.44	39.80
.75	23.27	68.42	35.00	.50	45.48
.80	21.81	72.98	30.00	.58	53.06
.90	19.39	82.10	25.00	.70	63.67
1.00	17.45	91.22	20.00	.87	79.59
1.25	13.96	114.03	15.00	1.16	106.12
1.50	11.63	136.83	10.00	1.75	159.18
1.75	9.97	159.64	5.00	3.49	318.37

CAUTION: The relationship between precipitation rate, timer setting, and hours per revolution provided above are theoretical numbers based on the data list at the top of the page. Actual precipitation rates may vary due to the following field and machine conditions: wind drift; evaporation; tire slippage, tire loaded radius; drive train efficiency; elevation changes; soil type. Due to these varying field and machine conditions the above chart should be used as a guide only.