

# WESTERN KANSAS IRRIGATION

SEPTEMBER 26, 2025

WISH-119622

CUSTOMER : ALFALFA FARMS

2021 LINDSAY GEN II - 30  
9 TOWER - 1295.55 FT  
SYSTEM 600 GPM @ 30 PSI

LEGAL : SW 1/4 23-26-37  
P.O. NO. : INV170075

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.

<u>DEALER</u>			<u>IRRIGATOR</u>			
WESTERN KANSAS IRRIGATION			ALFALFA FARMS			
2729 WEST OKLAHOMA			SW 1/4 23-26-37			
ULYSSES, KANSAS 67880			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
				OH	33.87	5.369
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	7.34	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	



[illegible]



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	



[illegible]

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.
473	7.34	1161.35	6.09	6.04	23.62	10.91	I-WOB2 UP3 16 ORANGE										133	SPSR2-10	
474		1163.77	-	-	-	-											-	-	341
475		1166.27	-	-	-	-											-	-	342
476	7.42	1168.77	6.05	6.04	23.53	10.91	I-WOB2 UP3 16 ORANGE										134	SPSR2-10	
477		1171.10	-	-	-	-											-	-	343
478		1173.58	-	-	-	-											-	-	344
479	7.14	1175.91	6.09	6.04	23.46	10.91	I-WOB2 UP3 16 ORANGE										135	SPSR2-10	
480		1178.41	-	-	-	-											-	-	345
481		1180.91	-	-	-	-											-	-	346
482	7.42	1183.33	6.21	6.04	23.41	10.91	I-WOB2 UP3 16 ORANGE										136	SPSR2-10	
483		1185.75	-	-	-	-											-	-	347
484		1188.25	-	-	-	-											-	-	348
485	7.34	1190.67	6.23	6.40	23.39	10.85	I-WOB2 UP3 16.5 ORANGE										137	SPSR2-10	
486		1193.09	-	-	-	-											-	-	349
487		1195.59	-	-	-	-											-	-	350
488	7.34	1198.01	6.25	6.40	23.39	10.85	I-WOB2 UP3 16.5 ORANGE										138	SPSR2-10	
489		1200.43	-	-	-	-											-	-	351
490		1202.93	-	-	-	-											-	-	352
491	7.34	1205.35	6.31	6.40	23.41	10.85	I-WOB2 UP3 16.5 ORANGE										139	SPSR2-10	
492		1207.77	-	-	-	-											-	-	353
493		1210.27	-	-	-	-											-	-	354
494	7.42	1212.77	6.26	6.40	23.46	10.85	I-WOB2 UP3 16.5 ORANGE										140	SPSR2-10	
495		1215.10	-	-	-	-											-	-	355
496		1217.58	-	-	-	-											-	-	356
497	7.14	1219.91	6.28	6.40	23.53	10.85	I-WOB2 UP3 16.5 ORANGE										141	SPSR2-10	
498		1222.41	-	-	-	-											-	-	357
499		1224.91	-	-	-	-											-	-	358
500	7.42	1227.33	6.40	6.41	23.63	10.85	I-WOB2 UP3 16.5 ORANGE										142	SPSR2-10	
501		1229.75	-	-	-	-											-	-	359
502		1232.25	-	-	-	-											-	-	360
503	7.34	1234.67	6.40	6.41	23.75	10.85	I-WOB2 UP3 16.5 ORANGE										143	SPSR2-10	
504		1237.09	-	-	-	-											-	-	361
505		1239.59	-	-	-	-											-	-	362
506	7.34	1242.01	6.44	6.41	23.90	10.85	I-WOB2 UP3 16.5 ORANGE										144	SPSR2-10	
507		1244.43	-	-	-	-											-	-	363
508		1246.93	-	-	-	-											-	-	364
509	7.34	1249.35	6.51	6.41	24.06	10.85	I-WOB2 UP3 16.5 ORANGE										145	SPSR2-10	
510		1251.77	-	-	-	-											-	-	365
511		1254.27	-	-	-	-											-	-	366
512	7.42	1256.77	6.43	6.41	24.19	10.85	I-WOB2 UP3 16.5 ORANGE										146	SPSR2-10	
513		1259.10	-	-	-	-											-	-	367
TOWER 9	135.00	1261.68	PIPE ID CHANGES FROM 6.395 TO 5.369																
514	7.03	1263.80	6.44	6.41	24.19	10.85	I-WOB2 UP3 16.5 ORANGE										147	SPSR2-10	
515		1266.13	-	-	-	-											-	-	368
516		1268.63	-	-	-	-											-	-	369
517	7.33	1271.13	6.62	6.78	24.19	10.78	I-WOB2 UP3 17 DK GREEN										148	SPSR2-10	
518		1273.55	-	-	-	-											-	-	370

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

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

2021 LINDSAY GEN II - 30  
 SENNINGER UP3 I-WOB2  
 SENNINGER 10 PSI REGULATORS  
 .75 I.D. FLEXIBLE HOSE  
 NO ENDGUN

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		37	10	PSR210	55	PLUG			
2	PLUG				62	PLUG				57		19	11.5	PSR210	52	PLUG					<b>TOWER 4</b>			
3	PLUG				63	PLUG				58	PLUG				53	PLUG				1	PLUG			
4	PLUG				64	PLUG				59	PLUG				54	PLUG	38	11	PSR210	2	PLUG			
5	PLUG				<b>TOWER 1</b>					60	PLUG				55	PLUG				3		57	12.5	PSR210
6	PLUG				1	PLUG				61	PLUG				<b>TOWER 3</b>					4	PLUG			
7	PLUG				2	PLUG				62	PLUG				1	PLUG				5	PLUG			
8	PLUG				3		10	9	PSR210	63		20	10.5	PSR210	2	PLUG				6		58	11.5	PSR210
9	PLUG				4	PLUG				64	PLUG				3		39	11	PSR210	7	PLUG			
10	PLUG				5	PLUG				<b>TOWER 2</b>					4	PLUG				8	PLUG			
11	PLUG				6	PLUG				1	PLUG				5	PLUG				9		59	11.5	PSR210
12		1	6	PSR210	7	PLUG				2	PLUG				6		40	10	PSR210	10	PLUG			
13	PLUG				8	PLUG				3		21	9	PSR210	7	PLUG				11	PLUG			
14	PLUG				9		11	9	PSR210	4	PLUG				8	PLUG				12		60	11.5	PSR210
15	PLUG				10	PLUG				5	PLUG				9		41	10	PSR210	13	PLUG			
16	PLUG				11	PLUG				6		22	8.5	PSR210	10	PLUG				14	PLUG			
17	PLUG				12	PLUG				7	PLUG				11	PLUG				15		61	11.5	PSR210
18		2	6	PSR210	13	PLUG				8	PLUG				12		42	10	PSR210	16	PLUG			
19	PLUG				14	PLUG				9		23	8.5	PSR210	13	PLUG				17	PLUG			
20	PLUG				15		12	9	PSR210	10	PLUG				14	PLUG				18		62	11.5	PSR210
21	PLUG				16	PLUG				11	PLUG				15		43	10.5	PSR210	19	PLUG			
22	PLUG				17	PLUG				12		24	8.5	PSR210	16	PLUG				20	PLUG			
23	PLUG				18	PLUG				13	PLUG				17	PLUG				21		63	12	PSR210
24		3	6	PSR210	19	PLUG				14	PLUG				18		44	10.5	PSR210	22	PLUG			
25	PLUG				20	PLUG				15		25	9	PSR210	19	PLUG				23	PLUG			
26	PLUG				21		13	9.5	PSR210	16	PLUG				20	PLUG				24		64	12	PSR210
27	PLUG				22	PLUG				17	PLUG				21		45	10.5	PSR210	25	PLUG			
28	PLUG				23	PLUG				18		26	9	PSR210	22	PLUG				26	PLUG			
29	PLUG				24	PLUG				19	PLUG				23	PLUG				27		65	12	PSR210
30		4	6	PSR210	25	PLUG				20	PLUG				24		46	10.5	PSR210	28	PLUG			
31	PLUG				26	PLUG				21		27	9	PSR210	25	PLUG				29	PLUG			
32	PLUG				27		14	10	PSR210	22	PLUG				26	PLUG				30		66	12	PSR210
33	PLUG				28	PLUG				23	PLUG				27		47	10.5	PSR210	31	PLUG			
34	PLUG				29	PLUG				24		28	9	PSR210	28	PLUG				32	PLUG			
35	PLUG				30	PLUG				25	PLUG				29	PLUG				33		67	12	PSR210
36		5	6.5	PSR210	31	PLUG				26	PLUG				30		48	10.5	PSR210	34	PLUG			
37	PLUG				32	PLUG				27		29	9	PSR210	31	PLUG				35	PLUG			
38	PLUG				33		15	10	PSR210	28	PLUG				32	PLUG				36		68	12	PSR210
39	PLUG				34	PLUG				29	PLUG				33		49	11	PSR210	37	PLUG			
40	PLUG				35	PLUG				30		30	9	PSR210	34	PLUG				38	PLUG			
41	PLUG				36	PLUG				31	PLUG				35	PLUG				39		69	12	PSR210
42		6	6.5	PSR210	37	PLUG				32	PLUG				36		50	11	PSR210	40	PLUG			
43	PLUG				38	PLUG				33		31	9.5	PSR210	37	PLUG				41	PLUG			
44	PLUG				39		16	10.5	PSR210	34	PLUG				38	PLUG				42		70	12.5	PSR210
45	PLUG				40	PLUG				35	PLUG				39		51	11	PSR210	43	PLUG			
46	PLUG				41	PLUG				36		32	9.5	PSR210	40	PLUG				44	PLUG			
47	PLUG				42	PLUG				37	PLUG				41	PLUG				45		71	12.5	PSR210
48		7	7	PSR210	43	PLUG				38	PLUG				42		52	11	PSR210	46	PLUG			
49	PLUG				44	PLUG				39		33	9.5	PSR210	43	PLUG				47	PLUG			
50	PLUG				45		17	11	PSR210	40	PLUG				44	PLUG				48		72	12.5	PSR210
51	PLUG				46	PLUG				41	PLUG				45		53	11	PSR210	49	PLUG			
52	PLUG				47	PLUG				42		34	9.5	PSR210	46	PLUG				50	PLUG			
53	PLUG				48	PLUG				43	PLUG				47	PLUG				51		73	12.5	PSR210
54		8	7.5	PSR210	49	PLUG				44	PLUG				48		54	11	PSR210	52	PLUG			
55	PLUG				50	PLUG				45		35	9.5	PSR210	49	PLUG				53	PLUG			
56	PLUG				51		18	11	PSR210	46	PLUG				50	PLUG				54		74	13.5	PSR210
57	PLUG				52	PLUG				47	PLUG				51		55	11	PSR210	55	PLUG			
58	PLUG				53	PLUG				48		36	9.5	PSR210	52	PLUG				<b>TOWER 5</b>				
59	PLUG				54	PLUG				49	PLUG				53	PLUG				1	PLUG			
60		9	8.5	PSR210	55	PLUG				50	PLUG				54		56	12.5	PSR210	2	PLUG			

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

600 GPM @ 30 PSI

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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				11	PLUG				15		133	16	PSR210	
4	PLUG				8	PLUG				12		114	15	PSR210	16	PLUG				
5	PLUG				9		95	14	PSR210	13	PLUG				17	PLUG				
6		76	12.5	PSR210	10	PLUG				14	PLUG				18		134	16	PSR210	
7	PLUG				11	PLUG				15		115	15	PSR210	19	PLUG				
8	PLUG				12		96	14	PSR210	16	PLUG				20	PLUG				
9		77	13	PSR210	13	PLUG				17	PLUG				21		135	16	PSR210	
10	PLUG				14	PLUG				18		116	15	PSR210	22	PLUG				
11	PLUG				15		97	14	PSR210	19	PLUG				23	PLUG				
12		78	13	PSR210	16	PLUG				20	PLUG				24		136	16	PSR210	
13	PLUG				17	PLUG				21		117	15	PSR210	25	PLUG				
14	PLUG				18		98	14	PSR210	22	PLUG				26	PLUG				
15		79	13	PSR210	19	PLUG				23	PLUG				27		137	16.5	PSR210	
16	PLUG				20	PLUG				24		118	15.5	PSR210	28	PLUG				
17	PLUG				21		99	14	PSR210	25	PLUG				29	PLUG				
18		80	13	PSR210	22	PLUG				26	PLUG				30		138	16.5	PSR210	
19	PLUG				23	PLUG				27		119	15.5	PSR210	31	PLUG				
20	PLUG				24		100	14	PSR210	28	PLUG				32	PLUG				
21		81	13	PSR210	25	PLUG				29	PLUG				33		139	16.5	PSR210	
22	PLUG				26	PLUG				30		120	15.5	PSR210	34	PLUG				
23	PLUG				27		101	14	PSR210	31	PLUG				35	PLUG				
24		82	13	PSR210	28	PLUG				32	PLUG				36		140	16.5	PSR210	
25	PLUG				29	PLUG				33		121	15.5	PSR210	37	PLUG				
26	PLUG				30		102	14.5	PSR210	34	PLUG				38	PLUG				
27		83	13	PSR210	31	PLUG				35	PLUG				39		141	16.5	PSR210	
28	PLUG				32	PLUG				36		122	15.5	PSR210	40	PLUG				
29	PLUG				33		103	14.5	PSR210	37	PLUG				41	PLUG				
30		84	13	PSR210	34	PLUG				38	PLUG				42		142	16.5	PSR210	
31	PLUG				35	PLUG				39		123	15.5	PSR210	43	PLUG				
32	PLUG				36		104	14.5	PSR210	40	PLUG				44	PLUG				
33		85	13.5	PSR210	37	PLUG				41	PLUG				45		143	16.5	PSR210	
34	PLUG				38	PLUG				42		124	15.5	PSR210	46	PLUG				
35	PLUG				39		105	14.5	PSR210	43	PLUG				47	PLUG				
36		86	13.5	PSR210	40	PLUG				44	PLUG				48		144	16.5	PSR210	
37	PLUG				41	PLUG				45		125	15.5	PSR210	49	PLUG				
38	PLUG				42		106	14.5	PSR210	46	PLUG				50	PLUG				
39		87	13.5	PSR210	43	PLUG				47	PLUG				51		145	16.5	PSR210	
40	PLUG				44	PLUG				48		126	15.5	PSR210	52	PLUG				
41	PLUG				45		107	14.5	PSR210	49	PLUG				53	PLUG				
42		88	13.5	PSR210	46	PLUG				50	PLUG				54		146	16.5	PSR210	
43	PLUG				47	PLUG				51		127	15.5	PSR210	55	PLUG				
44	PLUG				48		108	14.5	PSR210	52	PLUG					TOWER 9				
45		89	13.5	PSR210	49	PLUG				53	PLUG				1			147	16.5	PSR210
46	PLUG				50	PLUG				54		128	17.5	PSR210	2		PLUG			
47	PLUG				51		109	14.5	PSR210	55	PLUG				3	PLUG				
48		90	13.5	PSR210	52	PLUG					TOWER 8				4		148	17	PSR210	
49	PLUG				53	PLUG				1		PLUG				5	PLUG			
50	PLUG				54		110	16	PSR210	2		PLUG				6	PLUG			
51		91	13.5	PSR210	55	PLUG				3		129	17.5	PSR210	7		149	17	PSR210	
52	PLUG					TOWER 7				4	PLUG				8	PLUG				
53	PLUG				1		PLUG				5	PLUG				9	PLUG			
54		92	15	PSR210	2		PLUG				6		130	16	PSR210	10		150	17	PSR210
55	PLUG				3		111	16.5	PSR210	7	PLUG				11	PLUG				
1	TOWER 6				4	PLUG				8	PLUG				12	PLUG				
2		PLUG			5	PLUG				9		131	16	PSR210	13		151	17	PSR210	
3		PLUG			6		112	15	PSR210	10	PLUG									
4		93	15	PSR210	7	PLUG				11		132	16	PSR210						
5	PLUG				8	PLUG				12										
6		94	14	PSR210	9		113	15	PSR210	13	PLUG									
					10	PLUG				14	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.