

SORENSEN IRRIGATION

SEPTEMBER 24, 2025

WISH-119614

CUSTOMER : JESSEN FARMS

2004 LINDSAY GEN II - 30
7 TOWER - 1322.51 FT
SYSTEM 500 GPM @ 30 PSI

LEGAL : NW 1/4 15-26-48

KOMET PRECISION TWISTERS
KOMET 10 PSI REGULATORS
NELSON P85AS 15/32 TB
ELEVATION 10 FT UP, 10 FT DOWN

950 COUNTY ROAD 70

HEMINGFORD, NEBRASKA 69348

(308)487-3880

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>			
SORENSEN IRRIGATION			JESSEN FARMS			
950 COUNTY ROAD 70			NW 1/4 15-26-48			
HEMINGFORD, NEBRASKA 69348						
TOTAL TARGET GPM	500.00	FRICTION FACTOR USED	138	SPANS	LENGTH	PIPE I.D.
TOP OF PIVOT PRESSURE	30.00	TOTAL LENGTH	1322.51	1	181.60	6.395
ENDGUN TARGET GPM	31.03	NUMBER OF TOWERS	7	5	179.00	6.395
NUMBER OF OUTLETS	538	NUMBER OF SPRINKLERS	133	1	201.04	6.395
				OH	44.87	5.369
KOMET PRECISION TWISTERS - BLACK STANDARD ANGLE PLATES						
KOMET KPR-X 10 PSI PRESSURE REGULATORS						
POLYDROPS® AVERAGE 6.5 FT PLUS 1 FT POLYDROP® EXTENSION						
ELEVATION IS 10 FT UP AND 10 FT DOWN						

CAUTIONS AND WARNINGS

1. Inadequate crop clearance and/or structural interference may cause poor water distribution, resulting in decreased uniformity and possible streaking.

2. Over watering at beginning of system due to practical limitations on smallest nozzle sizes available and/or allowable for proper operation.

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.
49		120.35	-	-	-	-	-	-	-	-	-	-	39
50		122.85	-	-	-	-	-	-	-	-	-	-	40
51	9.76	125.27	0.65	0.61	28.48	10.93	KPT	TWISTER	10	BEIGE	11	KPRX10	
52		127.69	-	-	-	-	-	-	-	-	-	-	41
53		130.19	-	-	-	-	-	-	-	-	-	-	42
54		132.69	-	-	-	-	-	-	-	-	-	-	43
55	9.75	135.02	0.70	0.73	28.54	10.92	KPT	TWISTER	11	BEIGE	12	KPRX10	
56		137.50	-	-	-	-	-	-	-	-	-	-	44
57		139.83	-	-	-	-	-	-	-	-	-	-	45
58		142.33	-	-	-	-	-	-	-	-	-	-	46
59	9.81	144.83	0.75	0.73	28.63	10.92	KPT	TWISTER	11	BEIGE	13	KPRX10	
60		147.25	-	-	-	-	-	-	-	-	-	-	47
61		149.67	-	-	-	-	-	-	-	-	-	-	48
62		152.17	-	-	-	-	-	-	-	-	-	-	49
63	9.76	154.59	0.80	0.87	28.74	10.91	KPT	TWISTER	12	GOLD	14	KPRX10	
64		157.01	-	-	-	-	-	-	-	-	-	-	50
65		159.51	-	-	-	-	-	-	-	-	-	-	51
66		161.93	-	-	-	-	-	-	-	-	-	-	52
67	9.76	164.35	0.86	0.87	28.89	10.91	KPT	TWISTER	12	GOLD	15	KPRX10	
68		166.85	-	-	-	-	-	-	-	-	-	-	53
69		169.27	-	-	-	-	-	-	-	-	-	-	54
70		171.69	-	-	-	-	-	-	-	-	-	-	55
71	9.84	174.19	0.93	0.87	29.00	10.91	KPT	TWISTER	12	GOLD	16	KPRX10	
72		176.69	-	-	-	-	-	-	-	-	-	-	56
73		179.02	-	-	-	-	-	-	-	-	-	-	57
TOWER 1	181.60	181.60											
74		181.92	-	-	-	-	-	-	-	-	-	-	58
75	10.31	184.50	0.98	1.01	28.95	10.90	KPT	TWISTER	13	GOLD	17	KPRX10	
76		186.83	-	-	-	-	-	-	-	-	-	-	59
77		189.33	-	-	-	-	-	-	-	-	-	-	60
78		191.83	-	-	-	-	-	-	-	-	-	-	61
79	9.75	194.25	1.01	1.01	28.78	10.90	KPT	TWISTER	13	GOLD	18	KPRX10	
80		196.67	-	-	-	-	-	-	-	-	-	-	62
81		199.17	-	-	-	-	-	-	-	-	-	-	63
82		201.59	-	-	-	-	-	-	-	-	-	-	64
83	9.76	204.01	1.06	1.01	28.52	10.90	KPT	TWISTER	13	GOLD	19	KPRX10	
84		206.51	-	-	-	-	-	-	-	-	-	-	65
85		208.93	-	-	-	-	-	-	-	-	-	-	66
86		211.35	-	-	-	-	-	-	-	-	-	-	67
87	9.84	213.85	1.12	1.18	28.28	10.89	KPT	TWISTER	14	LIME	20	KPRX10	
88		216.27	-	-	-	-	-	-	-	-	-	-	68
89		218.69	-	-	-	-	-	-	-	-	-	-	69
90		221.19	-	-	-	-	-	-	-	-	-	-	70
91	9.84	223.69	1.16	1.18	28.08	10.89	KPT	TWISTER	14	LIME	21	KPRX10	
92		226.02	-	-	-	-	-	-	-	-	-	-	71
93		228.50	-	-	-	-	-	-	-	-	-	-	72
94		230.83	-	-	-	-	-	-	-	-	-	-	73
95	9.64	233.33	1.21	1.18	27.91	10.89	KPT	TWISTER	14	LIME	22	KPRX10	

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.
96		235.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74
97		238.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75
98		240.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76
99	9.84	243.17	1.26	1.35	27.76	10.88	KPT	TWISTER	15	LIME							23	KPRX10	
100		245.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77
101		248.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78
102		250.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79
103	9.76	252.93	1.31	1.35	27.64	10.88	KPT	TWISTER	15	LIME							24	KPRX10	
104		255.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80
105		257.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81
106		260.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82
107	9.76	262.69	1.36	1.35	27.55	10.88	KPT	TWISTER	15	LIME							25	KPRX10	
108		265.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83
109		267.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
110		270.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85
111	9.81	272.50	1.41	1.35	27.49	10.88	KPT	TWISTER	15	LIME							26	KPRX10	
112		274.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86
113		277.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87
114		279.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88
115	9.75	282.25	1.46	1.53	27.46	10.86	KPT	TWISTER	16	LAVENDER							27	KPRX10	
116		284.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89
117		287.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90
118		289.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91
119	9.76	292.01	1.52	1.53	27.46	10.86	KPT	TWISTER	16	LAVENDER							28	KPRX10	
120		294.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92
121		296.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93
122		299.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94
123	9.84	301.85	1.58	1.53	27.48	10.86	KPT	TWISTER	16	LAVENDER							29	KPRX10	
124		304.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95
125		306.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96
126		309.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97
127	9.84	311.69	1.61	1.53	27.54	10.86	KPT	TWISTER	16	LAVENDER							30	KPRX10	
128		314.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98
129		316.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99
130		318.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
131	9.64	321.33	1.66	1.72	27.63	10.85	KPT	TWISTER	17	LAVENDER							31	KPRX10	
132		323.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101
133		326.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102
134		328.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103
135	9.84	331.17	1.72	1.72	27.74	10.85	KPT	TWISTER	17	LAVENDER							32	KPRX10	
136		333.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104
137		336.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105
138		338.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106
139	9.76	340.93	1.77	1.72	27.88	10.85	KPT	TWISTER	17	LAVENDER							33	KPRX10	
140		343.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107
141		345.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108
142		348.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109
143	9.76	350.69	1.86	1.93	28.05	10.84	KPT	TWISTER	18	GREY							34	KPRX10	

[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.
333		816.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	252
334		819.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	253
335	9.84	821.67	4.29	4.28	25.27	10.67	KPT	TWISTER	27	WHITE							82	KPRX10	
336		824.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254
337		826.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	255
338		829.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	256
339	9.84	831.51	4.33	4.28	25.31	10.67	KPT	TWISTER	27	WHITE							83	KPRX10	
340		833.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257
341		836.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	258
342		838.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	259
343	9.76	841.27	4.36	4.28	25.37	10.67	KPT	TWISTER	27	WHITE							84	KPRX10	
344		843.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	260
345		846.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	261
346		848.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	262
347	9.75	851.02	4.42	4.28	25.46	10.67	KPT	TWISTER	27	WHITE							85	KPRX10	
348		853.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	263
349		855.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	264
350		858.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
351	9.81	860.83	4.48	4.59	25.58	10.65	KPT	TWISTER	28	BLUE							86	KPRX10	
352		863.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	266
353		865.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	267
354		868.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	268
355	9.76	870.59	4.51	4.59	25.73	10.65	KPT	TWISTER	28	BLUE							87	KPRX10	
356		873.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269
357		875.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270
358		877.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	271
359	9.76	880.35	4.58	4.59	25.91	10.65	KPT	TWISTER	28	BLUE							88	KPRX10	
360		882.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	272
361		885.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	273
362		887.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	274
363	9.84	890.19	4.76	4.92	26.06	10.63	KPT	TWISTER	29	BLUE							89	KPRX10	
364		892.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	275
365		895.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	276
TOWER 5	179.00	897.60																	
366		897.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	277
367	10.31	900.50	4.79	4.92	26.04	10.63	KPT	TWISTER	29	BLUE							90	KPRX10	
368		902.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	278
369		905.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	279
370		907.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	280
371	9.75	910.25	4.71	4.59	25.91	10.65	KPT	TWISTER	28	BLUE							91	KPRX10	
372		912.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	281
373		915.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	282
374		917.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	283
375	9.76	920.01	4.78	4.92	25.68	10.63	KPT	TWISTER	29	BLUE							92	KPRX10	
376		922.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	284
377		924.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285
378		927.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	286
379	9.84	929.85	4.85	4.92	25.48	10.63	KPT	TWISTER	29	BLUE							93	KPRX10	

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.
380		932.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	287
381		934.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	288
382		937.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	289
383	9.84	939.69	4.85	4.92	25.31	10.63	KPT TWISTER 29 BLUE										94	KPRX10	
384		942.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290
385		944.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	291
386		946.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	292
387	9.64	949.33	4.90	4.92	25.18	10.63	KPT TWISTER 29 BLUE										95	KPRX10	
388		951.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	293
389		954.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	294
390		956.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	295
391	9.84	959.17	4.98	4.92	25.07	10.63	KPT TWISTER 29 BLUE										96	KPRX10	
392		961.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	296
393		964.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	297
394		966.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	298
395	9.76	968.93	5.01	4.92	24.99	10.63	KPT TWISTER 29 BLUE										97	KPRX10	
396		971.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	299
397		973.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300
398		976.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	301
399	9.76	978.69	5.08	4.92	24.93	10.63	KPT TWISTER 29 BLUE										98	KPRX10	
400		981.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	302
401		983.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	303
402		986.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	304
403	9.81	988.50	5.13	5.25	24.91	10.60	KPT TWISTER 30 DK BROWN										99	KPRX10	
404		990.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	305
405		993.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	306
406		995.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	307
407	9.75	998.25	5.17	5.25	24.92	10.60	KPT TWISTER 30 DK BROWN										100	KPRX10	
408		1000.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	308
409		1003.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	309
410		1005.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	310
411	9.76	1008.01	5.24	5.25	24.96	10.60	KPT TWISTER 30 DK BROWN										101	KPRX10	
412		1010.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	311
413		1012.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	312
414		1015.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	313
415	9.84	1017.85	5.31	5.25	25.02	10.60	KPT TWISTER 30 DK BROWN										102	KPRX10	
416		1020.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	314
417		1022.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	315
418		1025.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	316
419	9.84	1027.69	5.31	5.25	25.12	10.60	KPT TWISTER 30 DK BROWN										103	KPRX10	
420		1030.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	317
421		1032.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	318
422		1034.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	319
423	9.64	1037.33	5.36	5.25	25.24	10.60	KPT TWISTER 30 DK BROWN										104	KPRX10	
424		1039.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	320
425		1042.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	321
426		1044.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	322
427	9.84	1047.17	5.45	5.61	25.39	10.58	KPT TWISTER 31 DK BROWN										105	KPRX10	

[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.
475	9.75	1165.02	6.07	6.14	24.70	10.54	KPT	TWISTER	33	ORANGE		117	KPRX10	
476		1167.51	-	-	-	-	-	-	-	-	-	-	-	359
477		1169.84	-	-	-	-	-	-	-	-	-	-	-	360
478		1172.34	-	-	-	-	-	-	-	-	-	-	-	361
479	9.82	1174.84	6.14	6.14	24.68	10.54	KPT	TWISTER	33	ORANGE		118	KPRX10	
480		1177.26	-	-	-	-	-	-	-	-	-	-	-	362
481		1179.68	-	-	-	-	-	-	-	-	-	-	-	363
482		1182.18	-	-	-	-	-	-	-	-	-	-	-	364
483	9.84	1184.68	6.15	6.14	24.69	10.54	KPT	TWISTER	33	ORANGE		119	KPRX10	
484		1187.01	-	-	-	-	-	-	-	-	-	-	-	365
485		1189.54	-	-	-	-	-	-	-	-	-	-	-	366
486		1191.87	-	-	-	-	-	-	-	-	-	-	-	367
487	9.69	1194.37	6.20	6.14	24.71	10.54	KPT	TWISTER	33	ORANGE		120	KPRX10	
488		1196.87	-	-	-	-	-	-	-	-	-	-	-	368
489		1199.29	-	-	-	-	-	-	-	-	-	-	-	369
490		1201.71	-	-	-	-	-	-	-	-	-	-	-	370
491	9.84	1204.21	6.28	6.14	24.77	10.54	KPT	TWISTER	33	ORANGE		121	KPRX10	
492		1206.63	-	-	-	-	-	-	-	-	-	-	-	371
493		1209.05	-	-	-	-	-	-	-	-	-	-	-	372
494		1211.55	-	-	-	-	-	-	-	-	-	-	-	373
495	9.76	1213.97	6.32	6.14	24.85	10.54	KPT	TWISTER	33	ORANGE		122	KPRX10	
496		1216.39	-	-	-	-	-	-	-	-	-	-	-	374
497		1218.89	-	-	-	-	-	-	-	-	-	-	-	375
498		1221.31	-	-	-	-	-	-	-	-	-	-	-	376
499	9.76	1223.73	6.40	6.51	24.95	10.51	KPT	TWISTER	34	DK GREEN		123	KPRX10	
500		1226.23	-	-	-	-	-	-	-	-	-	-	-	377
501		1228.73	-	-	-	-	-	-	-	-	-	-	-	378
502		1231.06	-	-	-	-	-	-	-	-	-	-	-	379
503	9.81	1233.54	6.44	6.51	25.07	10.51	KPT	TWISTER	34	DK GREEN		124	KPRX10	
504		1235.87	-	-	-	-	-	-	-	-	-	-	-	380
505		1238.37	-	-	-	-	-	-	-	-	-	-	-	381
506		1240.87	-	-	-	-	-	-	-	-	-	-	-	382
507	9.75	1243.29	6.47	6.51	25.22	10.51	KPT	TWISTER	34	DK GREEN		125	KPRX10	
508		1245.71	-	-	-	-	-	-	-	-	-	-	-	383
509		1248.21	-	-	-	-	-	-	-	-	-	-	-	384
510		1250.63	-	-	-	-	-	-	-	-	-	-	-	385
511	9.76	1253.05	6.54	6.51	25.40	10.51	KPT	TWISTER	34	DK GREEN		126	KPRX10	
512		1255.55	-	-	-	-	-	-	-	-	-	-	-	386
513		1257.97	-	-	-	-	-	-	-	-	-	-	-	387
514		1260.39	-	-	-	-	-	-	-	-	-	-	-	388
515	9.84	1262.89	6.62	6.51	25.60	10.51	KPT	TWISTER	34	DK GREEN		127	KPRX10	
516		1265.31	-	-	-	-	-	-	-	-	-	-	-	389
517		1267.73	-	-	-	-	-	-	-	-	-	-	-	390
518		1270.23	-	-	-	-	-	-	-	-	-	-	-	391
519	9.84	1272.73	6.53	6.51	25.68	10.51	KPT	TWISTER	34	DK GREEN		128	KPRX10	
520		1275.06	-	-	-	-	-	-	-	-	-	-	-	392
TOWER 7	201.04	1277.64												

PIPE ID CHANGES FROM 6.395 TO 5.369

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.
521		1279.75	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	393
522	9.35	1282.08	6.58	6.51	25.68	10.51	KPT TWISTER 34 DK GREEN										129	KPRX10	
523		1284.58	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	394
524		1287.08	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	395
525		1289.50	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	396
526	9.84	1291.92	6.82	6.89	25.68	10.49	KPT TWISTER 35 DK GREEN										130	KPRX10	
527		1294.42	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	397
528		1296.84	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	398
529		1299.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	399
530	9.84	1301.76	6.81	6.89	25.67	10.49	KPT TWISTER 35 DK GREEN										131	KPRX10	
531		1304.18	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	400
532		1306.60	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	401
533		1309.10	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	402
534	9.76	1311.52	6.78	6.89	25.67	10.49	KPT TWISTER 35 DK GREEN										132	KPRX10	
535		1313.94	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	403
536		1316.44	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	404
537		1318.94	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	405
538	9.75	1321.27	6.63	6.51	25.67	10.51	KPT TWISTER 34 DK GREEN										133	KPRX10	
OVERHANG	44.87	1322.51		31.55	ENDGUN		(1) NELSON P85AS 15/32 TB												

THERE IS NO BOOSTER PUMP

FRICTION LOSS THROUGH ENDGUN VALVE IS 0.33 PSI - ENDGUN PRESSURE IS 25.34 PSI

TOTAL GPM = 500.36

GPA = 3.70

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 15.00 PSI

WITH GRADUATED ELEVATION OF 10.00 FT THE INLET PRESSURE IS 23.55 PSI FOR SPRINKLER 133

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	2.38	8.80	10.97	25%	4.61	0.010	0.37	0.49	0.61
2	7.00	25.88	25.83	0%	3.69	0.008	0.29	0.39	0.49
3	11.62	42.98	42.46	-1%	3.65	0.008	0.29	0.39	0.48
4	16.24	60.07	59.74	-1%	3.68	0.008	0.29	0.39	0.49
5	20.86	77.16	77.18	0%	3.70	0.008	0.29	0.39	0.49
6	25.49	94.25	93.80	0%	3.68	0.008	0.29	0.39	0.49
7	34.13	126.23	125.30	-1%	3.67	0.008	0.29	0.39	0.49
OVERHANG	8.41	31.12	33.54	8%	3.99	0.009	0.32	0.42	0.53
ENDGUN	8.37	31.03	31.55	2%	3.77				
TOTAL	134.51	497.50	500.36		3.72				

SUMMARY OF SPRINKLERS

11 KPT TWISTER 10 BEIGE
2 KPT TWISTER 11 BEIGE
3 KPT TWISTER 12 GOLD
3 KPT TWISTER 13 GOLD
3 KPT TWISTER 14 LIME
4 KPT TWISTER 15 LIME
4 KPT TWISTER 16 LAVENDER
3 KPT TWISTER 17 LAVENDER
5 KPT TWISTER 18 GREY
4 KPT TWISTER 19 GREY
5 KPT TWISTER 20 TURQUOISE
5 KPT TWISTER 21 TURQUOISE
4 KPT TWISTER 22 YELLOW
6 KPT TWISTER 23 YELLOW
5 KPT TWISTER 24 RED
4 KPT TWISTER 25 RED
8 KPT TWISTER 26 WHITE
6 KPT TWISTER 27 WHITE
4 KPT TWISTER 28 BLUE
9 KPT TWISTER 29 BLUE
6 KPT TWISTER 30 DK BROWN
8 KPT TWISTER 31 DK BROWN
4 KPT TWISTER 32 ORANGE
6 KPT TWISTER 33 ORANGE
8 KPT TWISTER 34 DK GREEN
3 KPT TWISTER 35 DK GREEN

405 PLUGS**SUMMARY OF REGULATORS**

133 Komet PR-X 10 psi

TOTAL OF 133 REGULATORS

NOZZLE POSITION CHART

KPT TWISTER 10 BEIGE	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
KPT TWISTER 11 BEIGE	12, 13
KPT TWISTER 12 GOLD	14, 15, 16
KPT TWISTER 13 GOLD	17, 18, 19
KPT TWISTER 14 LIME	20, 21, 22
KPT TWISTER 15 LIME	23, 24, 25, 26
KPT TWISTER 16 LAVENDER	27, 28, 29, 30
KPT TWISTER 17 LAVENDER	31, 32, 33
KPT TWISTER 18 GREY	34, 35, 36, 37, 38
KPT TWISTER 19 GREY	39, 40, 41, 42
KPT TWISTER 20 TURQUOISE	43, 44, 45, 46, 47
KPT TWISTER 21 TURQUOISE	48, 49, 50, 51, 52
KPT TWISTER 22 YELLOW	53, 54, 55, 56
KPT TWISTER 23 YELLOW	57, 58, 59, 60, 61, 62
KPT TWISTER 24 RED	63, 64, 65, 66, 67
KPT TWISTER 25 RED	68, 69, 70, 71
KPT TWISTER 26 WHITE	72, 73, 74, 75, 76, 77, 78, 79
KPT TWISTER 27 WHITE	80, 81, 82, 83, 84, 85
KPT TWISTER 28 BLUE	86, 87, 88, 91
KPT TWISTER 29 BLUE	89, 90, 92, 93, 94, 95, 96, 97, 98
KPT TWISTER 30 DK BROWN	99, 100, 101, 102, 103, 104
KPT TWISTER 31 DK BROWN	105, 106, 107, 108, 109, 110, 111, 112
KPT TWISTER 32 ORANGE	113, 114, 115, 116
KPT TWISTER 33 ORANGE	117, 118, 119, 120, 121, 122
KPT TWISTER 34 DK GREEN	123, 124, 125, 126, 127, 128, 129, 133
KPT TWISTER 35 DK GREEN	130, 131, 132

SORENSEN IRRIGATION
950 COUNTY ROAD 70
HEMINGFORD, NEBRASKA 69348

SEPTEMBER 24, 2025
WISH-119614
JESSEN FARMS
NW 1/4 15-26-48
500 GPM @ 30 PSI

2004 LINDSAY GEN II - 30
KOMET PRECISION TWISTERS
KOMET 10 PSI REGULATORS
POLYDROPS®
NELSON P85AS 15/32 TB

Rotation time at 100% = 13.79 Hours Or 828 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				47	PLUG				33		43	20	KPRX10	19	PLUG				
2	PLUG				62	PLUG				48	PLUG				34	PLUG				20	PLUG	58	23	KPRX10	
3	PLUG				63		14	12	KPRX10	49	PLUG				35	PLUG				21	PLUG				
4	PLUG				64	PLUG				50		29	16	KPRX10	36	PLUG				22	PLUG				
5	PLUG				65	PLUG				51	PLUG				37		44	20	KPRX10	23	PLUG				
6	PLUG				66	PLUG				52	PLUG				38	PLUG				24		59	23	KPRX10	
7	PLUG				67		15	12	KPRX10	53	PLUG				39	PLUG				25	PLUG				
8	PLUG				68	PLUG				54		30	16	KPRX10	40	PLUG				26	PLUG				
9	PLUG				69	PLUG				55	PLUG				41		45	20	KPRX10	27	PLUG				
10	PLUG				70	PLUG				56	PLUG				42	PLUG				28		60	23	KPRX10	
11		1	10	KPRX10	71		16	12	KPRX10	57	PLUG				43	PLUG				29	PLUG				
12	PLUG				72	PLUG				58		31	17	KPRX10	44	PLUG				30	PLUG				
13	PLUG				73					59	PLUG				45	PLUG				31	PLUG				
14	PLUG				TOWER 1					60	PLUG				46	PLUG				32		61	23	KPRX10	
15		2	10	KPRX10	1	PLUG				61					47	PLUG				33	PLUG				
16	PLUG				2		17	13	KPRX10	62		32	17	KPRX10	48	PLUG				34	PLUG				
17	PLUG				3	PLUG				63	PLUG				49		47	20	KPRX10	35	PLUG				
18	PLUG				4	PLUG				64	PLUG				50	PLUG				36		62	23	KPRX10	
19		3	10	KPRX10	5	PLUG				65	PLUG				51	PLUG				37	PLUG				
20	PLUG				6		18	13	KPRX10	66		33	17	KPRX10	52	PLUG				38	PLUG				
21	PLUG				7	PLUG				67	PLUG				53		48	21	KPRX10	39	PLUG				
22	PLUG				8	PLUG				68	PLUG				54	PLUG				40		63	24	KPRX10	
23		4	10	KPRX10	9	PLUG				69	PLUG				55	PLUG				41	PLUG				
24	PLUG				10		19	13	KPRX10	70		34	18	KPRX10	56	PLUG				42	PLUG				
25	PLUG				11	PLUG				71	PLUG				57		49	21	KPRX10	43	PLUG				
26	PLUG				12	PLUG				72	PLUG				58	PLUG				44		64	24	KPRX10	
27		5	10	KPRX10	13	PLUG				73					59	PLUG				45	PLUG				
28	PLUG				14		20	14	KPRX10	TOWER 2					60	PLUG				46	PLUG				
29	PLUG				15	PLUG				1		35	18	KPRX10	61		50	21	KPRX10	47	PLUG				
30	PLUG				16	PLUG				2	PLUG				62	PLUG				48		65	24	KPRX10	
31	PLUG				17	PLUG				3	PLUG				63	PLUG				49	PLUG				
32	PLUG				18		21	14	KPRX10	4	PLUG				64	PLUG				50	PLUG				
33	PLUG				19	PLUG				5		36	18	KPRX10	65		51	21	KPRX10	51	PLUG				
34	PLUG				20	PLUG				6	PLUG				66	PLUG				52		66	24	KPRX10	
35		7	10	KPRX10	21	PLUG				7	PLUG				67	PLUG				53	PLUG				
36	PLUG				22		22	14	KPRX10	8	PLUG				68	PLUG				54	PLUG				
37	PLUG				23	PLUG				9		37	18	KPRX10	69		52	21	KPRX10	55	PLUG				
38	PLUG				24	PLUG				10	PLUG				70	PLUG				56		67	24	KPRX10	
39		8	10	KPRX10	25	PLUG				11	PLUG				71	PLUG				57	PLUG				
40	PLUG				26		23	15	KPRX10	12	PLUG				72	PLUG				58	PLUG				
41	PLUG				27	PLUG				13		38	18	KPRX10	73		53	22	KPRX10	59	PLUG				
42	PLUG				28	PLUG				14	PLUG				TOWER 3					60		68	25	KPRX10	
43		9	10	KPRX10	29	PLUG				15	PLUG				1	PLUG				61	PLUG				
44	PLUG				30		24	15	KPRX10	16	PLUG				2	PLUG				62	PLUG				
45	PLUG				31	PLUG				17		39	19	KPRX10	3	PLUG				63	PLUG				
46	PLUG				32	PLUG				18	PLUG				4		54	22	KPRX10	64		69	25	KPRX10	
47		10	10	KPRX10	33	PLUG				19	PLUG				5	PLUG				65	PLUG				
48	PLUG				34		25	15	KPRX10	20	PLUG				6	PLUG				66	PLUG				
49	PLUG				35	PLUG				21		40	19	KPRX10	7	PLUG				67	PLUG				
50	PLUG				36	PLUG				22	PLUG				8		55	22	KPRX10	68		70	25	KPRX10	
51		11	10	KPRX10	37	PLUG				23	PLUG				9	PLUG				69	PLUG				
52	PLUG				38		26	15	KPRX10	24	PLUG				10	PLUG				70	PLUG				
53	PLUG				39	PLUG				25		41	19	KPRX10	11	PLUG				71	PLUG				
54	PLUG				40	PLUG				26	PLUG				12		56	22	KPRX10	72		71	25	KPRX10	
55		12	11	KPRX10	41	PLUG				27	PLUG				13	PLUG				73	PLUG				
56	PLUG				42		27	16	KPRX10	28	PLUG				14	PLUG				TOWER 4					
57	PLUG				43	PLUG				29		42	19	KPRX10	15	PLUG				1	PLUG				
58	PLUG				44	PLUG				30	PLUG				16		57	23	KPRX10	2	PLUG				
59		13	11	KPRX10	45	PLUG				31	PLUG				17	PLUG				3		72	26	KPRX10	
60	PLUG				46		28	16	KPRX10	32	PLUG				18	PLUG				4	PLUG				

SORENSEN IRRIGATION
950 COUNTY ROAD 70
HEMINGFORD, NEBRASKA 69348

SEPTEMBER 24, 2025
WISH-119614
JESSEN FARMS
NW 1/4 15-26-48
500 GPM @ 30 PSI

2004 LINDSAY GEN II - 30
KOMET PRECISION TWISTERS
KOMET 10 PSI REGULATORS
POLYDROPS®
NELSON P85AS 15/32 TB

Rotation time at 100% = 13.79 Hours Or 828 minutes

Installation Chart

Page 2

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	
5	PLUG				65	PLUG				51	PLUG				37		117	33	KPRX10	13	PLUG				
6	PLUG				66	PLUG				52	PLUG				38	PLUG				14			132	35	KPRX10
7		73	26	KPRX10	67		88	28	KPRX10	53	PLUG				39	PLUG				15	PLUG				
8	PLUG				68	PLUG				54		103	30	KPRX10	40	PLUG				16	PLUG				
9	PLUG				69	PLUG				55	PLUG				41	PLUG	118	33	KPRX10	17	PLUG				
10	PLUG				70	PLUG				56	PLUG				42	PLUG				18	PLUG		133	34	KPRX10
11		74	26	KPRX10	71		89	29	KPRX10	57	PLUG				43	PLUG									
12	PLUG				72	PLUG				58		104	30	KPRX10	44	PLUG									
13	PLUG				73	PLUG				59	PLUG				45	PLUG	119	33	KPRX10						
14	PLUG					TOWER 5				60	PLUG				46	PLUG									
15		75	26	KPRX10	1	PLUG				61	PLUG				47	PLUG									
16	PLUG				2		90	29	KPRX10	62		105	31	KPRX10	48	PLUG									
17	PLUG				3	PLUG				63	PLUG				49	PLUG	120	33	KPRX10						
18	PLUG				4	PLUG				64	PLUG				50	PLUG									
19		76	26	KPRX10	5	PLUG				65	PLUG				51	PLUG									
20	PLUG				6		91	28	KPRX10	66		106	31	KPRX10	52	PLUG									
21	PLUG				7	PLUG				67	PLUG				53	PLUG	121	33	KPRX10						
22	PLUG				8	PLUG				68	PLUG				54	PLUG									
23		77	26	KPRX10	9	PLUG				69	PLUG				55	PLUG									
24	PLUG				10		92	29	KPRX10	70		107	31	KPRX10	56	PLUG									
25	PLUG				11	PLUG				71	PLUG				57	PLUG	122	33	KPRX10						
26	PLUG				12	PLUG				72	PLUG				58	PLUG									
27		78	26	KPRX10	13	PLUG				73	PLUG				59	PLUG									
28	PLUG				14		93	29	KPRX10	1	TOWER 6				60	PLUG									
29	PLUG				15	PLUG				2		108	31	KPRX10	61	PLUG	123	34	KPRX10						
30	PLUG				16	PLUG				3	PLUG				62	PLUG									
31		79	26	KPRX10	17	PLUG				4	PLUG				63	PLUG									
32	PLUG				18		94	29	KPRX10	5					64	PLUG									
33	PLUG				19	PLUG				6	PLUG	109	31	KPRX10	65	PLUG	124	34	KPRX10						
34	PLUG				20	PLUG				7	PLUG				66	PLUG									
35		80	27	KPRX10	21	PLUG				8	PLUG				67	PLUG									
36	PLUG				22		95	29	KPRX10	9		110	31	KPRX10	68	PLUG									
37	PLUG				23	PLUG				10	PLUG				69	PLUG	125	34	KPRX10						
38	PLUG				24	PLUG				11	PLUG				70	PLUG									
39		81	27	KPRX10	25	PLUG				12	PLUG				71	PLUG									
40	PLUG				26		96	29	KPRX10	13		111	31	KPRX10	72	PLUG									
41	PLUG				27	PLUG				14	PLUG				73	PLUG	126	34	KPRX10						
42	PLUG				28	PLUG				15	PLUG				74	PLUG									
43		82	27	KPRX10	29	PLUG				16	PLUG				75	PLUG									
44	PLUG				30		97	29	KPRX10	17		112	31	KPRX10	76	PLUG									
45	PLUG				31	PLUG				18	PLUG				77	PLUG	127	34	KPRX10						
46	PLUG				32	PLUG				19	PLUG				78	PLUG									
47		83	27	KPRX10	33	PLUG				20	PLUG				79	PLUG									
48	PLUG				34		98	29	KPRX10	21		113	32	KPRX10	80	PLUG									
49	PLUG				35	PLUG				22	PLUG				81	PLUG	128	34	KPRX10						
50	PLUG				36	PLUG				23	PLUG				82	PLUG									
51		84	27	KPRX10	37	PLUG				24	PLUG					TOWER 7									
52	PLUG				38		99	30	KPRX10	25		114	32	KPRX10	1	PLUG									
53	PLUG				39	PLUG				26	PLUG				2	PLUG	129	34	KPRX10						
54	PLUG				40	PLUG				27	PLUG				3	PLUG									
55		85	27	KPRX10	41	PLUG				28	PLUG				4	PLUG									
56	PLUG				42		100	30	KPRX10	29		115	32	KPRX10	5	PLUG									
57	PLUG				43	PLUG				30	PLUG				6	PLUG	130	35	KPRX10						
58	PLUG				44	PLUG				31	PLUG				7	PLUG									
59		86	28	KPRX10	45	PLUG				32	PLUG				8	PLUG									
60	PLUG				46		101	30	KPRX10	33		116	32	KPRX10	9	PLUG									
61	PLUG				47	PLUG				34	PLUG				10	PLUG	131	35	KPRX10						
62	PLUG				48	PLUG				35	PLUG				11	PLUG									
63		87	28	KPRX10	49	PLUG				36	PLUG				12	PLUG									
64	PLUG				50		102	30	KPRX10		PLUG					PLUG									

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119614

SEPTEMBER 24, 2025

DEALER - SORENSEN IRRIGATION

IRRIGATOR - JESSEN FARMS

FIELD - NW 1/4 15-26-48

TOTAL LENGTH PIPE = 1322.51 SYSTEM PRESSURE = 30 PSI

GPM UNDER PIPE = 468.81 TOTAL GPM = 500.36

ACRES UNDER PIPE = 126.14

RANGE OF ENDGUN = 43.18

GPM OF ENDGUN = 31.55

ACRES UNDER ENDGUN = 8.37

WATERING LENGTH = 1365.69

MOTOR SIZE (HP) = 3/4

LOADED MOTOR RPM = 1750

CENTER GEAR BOX RATIO = 40

WHEEL GEAR BOX RATIO = 50

TIRE SIZE = 11 X 24.5

LAST TOWER SPEED (FPM) = 9.70

PRECIPITATION DATA FIGURED WITH ENDGUN RUNNING

PRECIPITATION BASED			% TIMER BASED		
PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.11	100.00	13.79 - 828(min)	100.00	.11	13.79 - 828(min)
.20	56.63	24.35	90.00	.13	15.33
.25	45.31	30.44	80.00	.14	17.24
.30	37.76	36.53	70.00	.16	19.70
.40	28.32	48.71	60.00	.19	22.99
.50	22.65	60.89	50.00	.23	27.59
.60	18.88	73.06	45.00	.25	30.65
.70	16.18	85.24	40.00	.28	34.48
.75	15.10	91.33	35.00	.32	39.41
.80	14.16	97.42	30.00	.38	45.98
.90	12.59	109.60	25.00	.45	55.17
1.00	11.33	121.77	20.00	.57	68.97
1.25	9.06	152.22	15.00	.76	91.95
1.50	7.55	182.66	10.00	1.13	137.93
1.75	6.47	213.10	5.00	2.27	275.86

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.