

# WESTERN KANSAS IRRIGATION

SEPTEMBER 26, 2025

WISH-119624

CUSTOMER : ALFALFA FARM

VALLEY 6000

8 TOWER - 1299.7 FT

SYSTEM 950 GPM @ 29 PSI

LEGAL : NE 1/4 3-27-36 GRANT

KOMET PRECISION TWISTER

P.O. NO. : INV170075

SENNINGER 10 PSI REGULATORS

FIELD : S/N 63114

NO ENDGUN

ELEVATION 2 FT UP, 23 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.

VALLEY 6000

SEPTEMBER 26, 2025

WISH-119624

DEALER  
WESTERN KANSAS IRRIGATION  
2729 WEST OKLAHOMA  
ULYSSES, KANSAS 67880

IRRIGATOR  
ALFALFA FARM  
NE 1/4 3-27-36 GRANT  
INV170075

TOTAL TARGET GPM	950.00	FRICTION FACTOR USED	140	SPANS	LENGTH	PIPE I.D.
TOP OF PIVOT PRESSURE	29.00	TOTAL LENGTH	1299.70	1	166.06	6.415
NO ENDGUN		NUMBER OF TOWERS	8	5	164.56	6.415
NUMBER OF OUTLETS	142	NUMBER OF SPRINKLERS	139	2	146.28	6.415
				OH	18.28	6.415

KOMET PRECISION TWISTER - YELLOW ULTRA LOW ANGLE PLATES  
SENNINGER PSR-2 10 PSI SERIES REGULATORS  
DROPS AVERAGE 7.5 FT OF 3/4 INCH SCHEDULE 40 GALVANIZED PIPE  
ELEVATION IS 2 FT UP AND 23 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.
3. This system designed for minimum pressure. Failure to deliver indicated pressure at the top of pivot point will adversely affect regulator and/or sprinkler/spray performance. Elevations, pipe sizes and type of drop pipe must be as shown.

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		6.08	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	1
2		15.22	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	2
3		24.36	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	3
4	33.50	33.50	0.36	0.61	27.84	11.40	KPT	TWISTER	10	BEIGE		1	SPSR2-10	
5	9.14	42.64	0.44	0.61	27.53	11.40	KPT	TWISTER	10	BEIGE		2	SPSR2-10	
6	9.15	51.79	0.53	0.61	27.24	11.40	KPT	TWISTER	10	BEIGE		3	SPSR2-10	
7	9.14	60.93	0.63	0.61	26.99	11.40	KPT	TWISTER	10	BEIGE		4	SPSR2-10	
8	9.14	70.07	0.72	0.74	26.76	11.40	KPT	TWISTER	11	BEIGE		5	SPSR2-10	
9	9.14	79.21	0.81	0.88	26.57	11.40	KPT	TWISTER	12	GOLD		6	SPSR2-10	
10	9.14	88.35	0.91	0.88	26.40	11.40	KPT	TWISTER	12	GOLD		7	SPSR2-10	
11	9.15	97.50	1.00	1.02	26.27	11.40	KPT	TWISTER	13	GOLD		8	SPSR2-10	
12	9.14	106.64	1.10	1.02	26.17	11.40	KPT	TWISTER	13	GOLD		9	SPSR2-10	
13	9.14	115.78	1.19	1.19	26.09	11.40	KPT	TWISTER	14	LIME		10	SPSR2-10	
14	9.14	124.92	1.28	1.36	26.05	11.40	KPT	TWISTER	15	LIME		11	SPSR2-10	
15	9.14	134.06	1.38	1.36	26.03	11.40	KPT	TWISTER	15	LIME		12	SPSR2-10	
16	9.15	143.21	1.47	1.54	26.05	11.40	KPT	TWISTER	16	LAVENDER		13	SPSR2-10	
17	9.14	152.35	1.57	1.54	26.09	11.40	KPT	TWISTER	16	LAVENDER		14	SPSR2-10	
18	9.14	161.49	1.66	1.74	26.05	11.40	KPT	TWISTER	17	LAVENDER		15	SPSR2-10	
TOWER 1	166.06	166.06												
19	9.15	170.64	1.75	1.74	25.88	11.40	KPT	TWISTER	17	LAVENDER		16	SPSR2-10	
20	9.14	179.78	1.85	1.94	25.56	11.40	KPT	TWISTER	18	GREY		17	SPSR2-10	
21	9.14	188.92	1.94	1.94	25.19	11.40	KPT	TWISTER	18	GREY		18	SPSR2-10	
22	9.14	198.06	2.04	1.94	24.86	11.40	KPT	TWISTER	18	GREY		19	SPSR2-10	
23	9.14	207.20	2.13	2.17	24.55	11.38	KPT	TWISTER	19	GREY		20	SPSR2-10	
24	9.15	216.35	2.22	2.17	24.27	11.38	KPT	TWISTER	19	GREY		21	SPSR2-10	
25	9.14	225.49	2.32	2.40	24.03	11.36	KPT	TWISTER	20	TURQUOISE		22	SPSR2-10	
26	9.14	234.63	2.41	2.40	23.81	11.36	KPT	TWISTER	20	TURQUOISE		23	SPSR2-10	
27	9.14	243.77	2.51	2.40	23.63	11.36	KPT	TWISTER	20	TURQUOISE		24	SPSR2-10	
28	9.14	252.91	2.60	2.64	23.47	11.34	KPT	TWISTER	21	TURQUOISE		25	SPSR2-10	
29	9.15	262.06	2.70	2.64	23.35	11.34	KPT	TWISTER	21	TURQUOISE		26	SPSR2-10	
30	9.14	271.20	2.79	2.89	23.25	11.31	KPT	TWISTER	22	YELLOW		27	SPSR2-10	
31	9.14	280.34	2.88	2.89	23.19	11.31	KPT	TWISTER	22	YELLOW		28	SPSR2-10	
32	9.14	289.48	2.98	2.89	23.16	11.31	KPT	TWISTER	22	YELLOW		29	SPSR2-10	
33	9.14	298.62	3.07	3.15	23.16	11.28	KPT	TWISTER	23	YELLOW		30	SPSR2-10	
34	9.15	307.77	3.17	3.15	23.18	11.28	KPT	TWISTER	23	YELLOW		31	SPSR2-10	
35	9.14	316.91	3.26	3.16	23.24	11.28	KPT	TWISTER	23	YELLOW		32	SPSR2-10	
36	9.14	326.05	3.35	3.43	23.21	11.26	KPT	TWISTER	24	RED		33	SPSR2-10	
TOWER 2	164.56	330.62												
37	9.15	335.20	3.45	3.43	23.06	11.26	KPT	TWISTER	24	RED		34	SPSR2-10	
38	9.14	344.34	3.54	3.43	22.76	11.26	KPT	TWISTER	24	RED		35	SPSR2-10	
39	9.14	353.48	3.63	3.71	22.41	11.23	KPT	TWISTER	25	RED		36	SPSR2-10	
40	9.14	362.62	3.73	3.71	22.08	11.23	KPT	TWISTER	25	RED		37	SPSR2-10	
41	9.14	371.76	3.82	3.71	21.79	11.23	KPT	TWISTER	25	RED		38	SPSR2-10	
42	9.15	380.91	3.92	4.00	21.53	11.20	KPT	TWISTER	26	WHITE		39	SPSR2-10	
43	9.14	390.05	4.01	4.00	21.31	11.20	KPT	TWISTER	26	WHITE		40	SPSR2-10	
44	9.14	399.19	4.10	4.00	21.11	11.20	KPT	TWISTER	26	WHITE		41	SPSR2-10	
45	9.14	408.33	4.20	4.31	20.94	11.17	KPT	TWISTER	27	WHITE		42	SPSR2-10	
46	9.14	417.47	4.29	4.31	20.80	11.17	KPT	TWISTER	27	WHITE		43	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.
47	9.15	426.62	4.39	4.31	20.70	11.17	KPT	TWISTER	27	WHITE	44	SPSR2-10	
48	9.14	435.76	4.48	4.62	20.63	11.14	KPT	TWISTER	28	BLUE	45	SPSR2-10	
49	9.14	444.90	4.57	4.62	20.58	11.14	KPT	TWISTER	28	BLUE	46	SPSR2-10	
50	9.14	454.04	4.67	4.62	20.57	11.14	KPT	TWISTER	28	BLUE	47	SPSR2-10	
51	9.14	463.18	4.76	4.62	20.59	11.14	KPT	TWISTER	28	BLUE	48	SPSR2-10	
52	9.15	472.33	4.86	4.95	20.64	11.10	KPT	TWISTER	29	BLUE	49	SPSR2-10	
53	9.14	481.47	4.95	4.95	20.72	11.10	KPT	TWISTER	29	BLUE	50	SPSR2-10	
54	9.14	490.61	5.05	4.95	20.71	11.11	KPT	TWISTER	29	BLUE	51	SPSR2-10	
TOWER 3	164.56	495.18											
55	9.15	499.76	5.14	5.29	20.59	11.05	KPT	TWISTER	30	DK BROWN	52	SPSR2-10	
56	9.14	508.90	5.23	5.29	20.30	11.05	KPT	TWISTER	30	DK BROWN	53	SPSR2-10	
57	9.14	518.04	5.32	5.29	19.98	11.05	KPT	TWISTER	30	DK BROWN	54	SPSR2-10	
58	9.14	527.18	5.42	5.29	19.68	11.05	KPT	TWISTER	30	DK BROWN	55	SPSR2-10	
59	9.14	536.32	5.52	5.63	19.41	10.99	KPT	TWISTER	31	DK BROWN	56	SPSR2-10	
60	9.15	545.47	5.61	5.63	19.18	10.99	KPT	TWISTER	31	DK BROWN	57	SPSR2-10	
61	9.14	554.61	5.70	5.63	18.97	10.99	KPT	TWISTER	31	DK BROWN	58	SPSR2-10	
62	9.14	563.75	5.80	5.63	18.80	10.99	KPT	TWISTER	31	DK BROWN	59	SPSR2-10	
63	9.14	572.89	5.89	5.97	18.66	10.92	KPT	TWISTER	32	ORANGE	60	SPSR2-10	
64	9.14	582.03	5.99	5.97	18.55	10.93	KPT	TWISTER	32	ORANGE	61	SPSR2-10	
65	9.15	591.18	6.08	5.97	18.47	10.93	KPT	TWISTER	32	ORANGE	62	SPSR2-10	
66	9.14	600.32	6.17	6.33	18.43	10.86	KPT	TWISTER	33	ORANGE	63	SPSR2-10	
67	9.14	609.46	6.27	6.33	18.41	10.86	KPT	TWISTER	33	ORANGE	64	SPSR2-10	
68	9.14	618.60	6.36	6.33	18.42	10.86	KPT	TWISTER	33	ORANGE	65	SPSR2-10	
69	9.14	627.74	6.46	6.33	18.47	10.86	KPT	TWISTER	33	ORANGE	66	SPSR2-10	
70	9.15	636.89	6.55	6.69	18.55	10.79	KPT	TWISTER	34	DK GREEN	67	SPSR2-10	
71	9.14	646.03	6.64	6.69	18.66	10.80	KPT	TWISTER	34	DK GREEN	68	SPSR2-10	
72	9.14	655.17	6.74	6.69	18.68	10.80	KPT	TWISTER	34	DK GREEN	69	SPSR2-10	
TOWER 4	164.56	659.74											
73	9.15	664.32	6.83	6.69	18.58	10.80	KPT	TWISTER	34	DK GREEN	70	SPSR2-10	
74	9.14	673.46	6.92	7.07	18.33	10.73	KPT	TWISTER	35	DK GREEN	71	SPSR2-10	
75	9.14	682.60	7.02	7.07	18.03	10.73	KPT	TWISTER	35	DK GREEN	72	SPSR2-10	
76	9.14	691.74	7.11	7.07	17.76	10.73	KPT	TWISTER	35	DK GREEN	73	SPSR2-10	
77	9.14	700.88	7.21	7.07	17.53	10.73	KPT	TWISTER	35	DK GREEN	74	SPSR2-10	
78	9.15	710.03	7.30	7.45	17.32	10.66	KPT	TWISTER	36	PURPLE	75	SPSR2-10	
79	9.14	719.17	7.39	7.45	17.15	10.66	KPT	TWISTER	36	PURPLE	76	SPSR2-10	
80	9.14	728.31	7.49	7.45	17.01	10.66	KPT	TWISTER	36	PURPLE	77	SPSR2-10	
81	9.14	737.45	7.58	7.45	16.90	10.66	KPT	TWISTER	36	PURPLE	78	SPSR2-10	
82	9.14	746.59	7.68	7.84	16.82	10.59	KPT	TWISTER	37	PURPLE	79	SPSR2-10	
83	9.15	755.74	7.77	7.84	16.77	10.59	KPT	TWISTER	37	PURPLE	80	SPSR2-10	
84	9.14	764.88	7.86	7.84	16.76	10.59	KPT	TWISTER	37	PURPLE	81	SPSR2-10	
85	9.14	774.02	7.95	7.84	16.77	10.59	KPT	TWISTER	37	PURPLE	82	SPSR2-10	
86	9.14	783.16	8.05	8.24	16.82	10.51	KPT	TWISTER	38	BLACK	83	SPSR2-10	
87	9.14	792.30	8.15	8.24	16.90	10.51	KPT	TWISTER	38	BLACK	84	SPSR2-10	
88	9.15	801.45	8.24	8.24	17.01	10.52	KPT	TWISTER	38	BLACK	85	SPSR2-10	
89	9.14	810.59	8.33	8.25	17.15	10.52	KPT	TWISTER	38	BLACK	86	SPSR2-10	
90	9.14	819.73	8.43	8.25	17.20	10.52	KPT	TWISTER	38	BLACK	87	SPSR2-10	
TOWER 5	164.56	824.30											
91	9.15	828.88	8.52	8.65	17.14	10.44	KPT	TWISTER	39	BLACK	88	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.
92	9.14	838.02	8.61	8.65	16.92	10.44	KPT	TWISTER	39	BLACK	89	SPSR2-10	
93	9.14	847.16	8.71	8.65	16.65	10.44	KPT	TWISTER	39	BLACK	90	SPSR2-10	
94	9.14	856.30	8.80	8.65	16.41	10.45	KPT	TWISTER	39	BLACK	91	SPSR2-10	
95	9.14	865.44	8.90	9.06	16.21	10.37	KPT	TWISTER	40	DK TURQ	92	SPSR2-10	
96	9.15	874.59	8.99	9.06	16.04	10.37	KPT	TWISTER	40	DK TURQ	93	SPSR2-10	
97	9.14	883.73	9.08	9.06	15.90	10.37	KPT	TWISTER	40	DK TURQ	94	SPSR2-10	
98	9.14	892.87	9.17	9.06	15.79	10.37	KPT	TWISTER	40	DK TURQ	95	SPSR2-10	
99	9.14	902.01	9.27	9.48	15.71	10.29	KPT	TWISTER	41	DK TURQ	96	SPSR2-10	
100	9.14	911.15	9.37	9.48	15.66	10.29	KPT	TWISTER	41	DK TURQ	97	SPSR2-10	
101	9.15	920.30	9.46	9.48	15.65	10.29	KPT	TWISTER	41	DK TURQ	98	SPSR2-10	
102	9.14	929.44	9.55	9.48	15.66	10.30	KPT	TWISTER	41	DK TURQ	99	SPSR2-10	
103	9.14	938.58	9.64	9.48	15.71	10.30	KPT	TWISTER	41	DK TURQ	100	SPSR2-10	
104	9.14	947.72	9.74	9.90	15.79	10.21	KPT	TWISTER	42	MUSTARD	101	SPSR2-10	
105	9.14	956.86	9.83	9.91	15.90	10.22	KPT	TWISTER	42	MUSTARD	102	SPSR2-10	
106	9.15	966.01	9.93	9.91	16.04	10.22	KPT	TWISTER	42	MUSTARD	103	SPSR2-10	
107	9.14	975.15	10.02	9.91	16.22	10.22	KPT	TWISTER	42	MUSTARD	104	SPSR2-10	
108	9.14	984.29	10.12	9.91	16.30	10.22	KPT	TWISTER	42	MUSTARD	105	SPSR2-10	
TOWER 6	164.56	988.86											
109	9.15	993.44	10.22	10.33	16.27	10.11	KPT	TWISTER	43	MUSTARD	106	SPSR2-10	
110	9.14	1002.58	10.30	10.33	16.10	10.11	KPT	TWISTER	43	MUSTARD	107	SPSR2-10	
111	9.14	1011.72	10.40	10.33	15.87	10.12	KPT	TWISTER	43	MUSTARD	108	SPSR2-10	
112	9.14	1020.86	10.49	10.33	15.69	10.12	KPT	TWISTER	43	MUSTARD	109	SPSR2-10	
113	9.14	1030.00	10.60	10.75	15.53	10.00	KPT	TWISTER	44	MAROON	110	SPSR2-10	
114	9.15	1039.15	10.69	10.75	15.41	10.00	KPT	TWISTER	44	MAROON	111	SPSR2-10	
115	9.14	1048.29	10.77	10.75	15.32	10.01	KPT	TWISTER	44	MAROON	112	SPSR2-10	
116	9.14	1057.43	10.87	10.75	15.26	10.01	KPT	TWISTER	44	MAROON	113	SPSR2-10	
117	9.14	1066.57	10.96	10.76	15.24	10.01	KPT	TWISTER	44	MAROON	114	SPSR2-10	
118	9.14	1075.71	11.07	11.18	15.25	9.89	KPT	TWISTER	45	MAROON	115	SPSR2-10	
119	9.15	1084.86	11.16	11.18	15.30	9.89	KPT	TWISTER	45	MAROON	116	SPSR2-10	
120	9.14	1094.00	11.25	11.18	15.38	9.90	KPT	TWISTER	45	MAROON	117	SPSR2-10	
121	9.14	1103.14	11.35	11.18	15.49	9.90	KPT	TWISTER	45	MAROON	118	SPSR2-10	
122	9.14	1112.28	11.45	11.61	15.63	9.77	KPT	TWISTER	46	CREAM	119	SPSR2-10	
123	9.14	1121.42	11.54	11.61	15.81	9.78	KPT	TWISTER	46	CREAM	120	SPSR2-10	
124	9.15	1130.57	11.64	11.61	15.93	9.78	KPT	TWISTER	46	CREAM	121	SPSR2-10	
TOWER 7	146.28	1135.14											
125	9.15	1139.72	11.73	11.61	15.92	9.79	KPT	TWISTER	46	CREAM	122	SPSR2-10	
126	9.14	1148.86	11.82	11.62	15.77	9.79	KPT	TWISTER	46	CREAM	123	SPSR2-10	
127	9.14	1158.00	11.93	12.04	15.57	9.66	KPT	TWISTER	47	CREAM	124	SPSR2-10	
128	9.14	1167.14	12.01	12.04	15.40	9.67	KPT	TWISTER	47	CREAM	125	SPSR2-10	
129	9.14	1176.28	12.11	12.05	15.27	9.67	KPT	TWISTER	47	CREAM	126	SPSR2-10	
130	9.15	1185.43	12.21	12.05	15.17	9.68	KPT	TWISTER	47	CREAM	127	SPSR2-10	
131	9.14	1194.57	12.31	12.48	15.10	9.55	KPT	TWISTER	48	DK BLUE	128	SPSR2-10	
132	9.14	1203.71	12.39	12.48	15.06	9.55	KPT	TWISTER	48	DK BLUE	129	SPSR2-10	
133	9.14	1212.85	12.48	12.48	15.05	9.55	KPT	TWISTER	48	DK BLUE	130	SPSR2-10	
134	9.14	1221.99	12.58	12.49	15.08	9.56	KPT	TWISTER	48	DK BLUE	131	SPSR2-10	
135	9.15	1231.14	12.68	12.49	15.14	9.56	KPT	TWISTER	48	DK BLUE	132	SPSR2-10	
136	9.14	1240.28	12.80	12.93	15.24	9.43	KPT	TWISTER	49	DK BLUE	133	SPSR2-10	
137	9.14	1249.42	12.87	12.93	15.36	9.44	KPT	TWISTER	49	DK BLUE	134	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.
138	9.14	1258.56	12.95	12.93	15.52	9.44	KPT TWISTER	49	DK BLUE	135	SPSR2-10	
139	9.14	1267.70	13.06	12.93	15.71	9.44	KPT TWISTER	49	DK BLUE	136	SPSR2-10	
140	9.15	1276.85	13.19	13.37	15.85	9.31	KPT TWISTER	50	COPPER	137	SPSR2-10	
TOWER 8	146.28	1281.42										
141	9.14	1285.99	13.19	13.37	15.85	9.31	KPT TWISTER	50	COPPER	138	SPSR2-10	
142	9.14	1295.13	13.31	13.37	15.85	9.32	KPT TWISTER	50	COPPER	139	SPSR2-10	
OVERHANG	18.28	1299.70										

TOTAL GPM = 950.26

GPA = 7.80

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 15.00 PSI

WITH GRADUATED ELEVATION OF 2.00 FT THE INLET PRESSURE IS 15.58 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	1.99	15.51	15.68	1%	7.89	0.017	0.63	0.84	1.05
2	5.89	45.97	45.95	0%	7.79	0.017	0.62	0.83	1.03
3	9.80	76.43	76.35	0%	7.79	0.017	0.62	0.83	1.03
4	13.71	106.88	106.86	0%	7.80	0.017	0.62	0.83	1.03
5	17.61	137.34	137.49	0%	7.81	0.017	0.62	0.83	1.03
6	21.52	167.80	167.75	0%	7.80	0.017	0.62	0.83	1.03
7	22.41	174.73	174.52	0%	7.79	0.017	0.62	0.83	1.03
8	25.49	198.80	198.92	0%	7.80	0.017	0.62	0.83	1.03
OVERHANG	3.40	26.54	26.74	1%	7.86	0.017	0.63	0.83	1.04
TOTAL	121.83	950.00	950.26		7.80				

**SUMMARY OF SPRINKLERS**

4 KPT TWISTER 10 BEIGE  
1 KPT TWISTER 11 BEIGE  
2 KPT TWISTER 12 GOLD  
2 KPT TWISTER 13 GOLD  
1 KPT TWISTER 14 LIME  
2 KPT TWISTER 15 LIME  
2 KPT TWISTER 16 LAVENDER  
2 KPT TWISTER 17 LAVENDER  
3 KPT TWISTER 18 GREY  
2 KPT TWISTER 19 GREY  
3 KPT TWISTER 20 TURQUOISE  
2 KPT TWISTER 21 TURQUOISE  
3 KPT TWISTER 22 YELLOW  
3 KPT TWISTER 23 YELLOW  
3 KPT TWISTER 24 RED  
3 KPT TWISTER 25 RED  
3 KPT TWISTER 26 WHITE  
3 KPT TWISTER 27 WHITE  
4 KPT TWISTER 28 BLUE  
3 KPT TWISTER 29 BLUE  
4 KPT TWISTER 30 DK BROWN  
4 KPT TWISTER 31 DK BROWN  
3 KPT TWISTER 32 ORANGE  
4 KPT TWISTER 33 ORANGE  
4 KPT TWISTER 34 DK GREEN  
4 KPT TWISTER 35 DK GREEN  
4 KPT TWISTER 36 PURPLE  
4 KPT TWISTER 37 PURPLE  
5 KPT TWISTER 38 BLACK  
4 KPT TWISTER 39 BLACK  
4 KPT TWISTER 40 DK TURQ  
5 KPT TWISTER 41 DK TURQ  
5 KPT TWISTER 42 MUSTARD  
4 KPT TWISTER 43 MUSTARD  
5 KPT TWISTER 44 MAROON  
4 KPT TWISTER 45 MAROON  
5 KPT TWISTER 46 CREAM  
4 KPT TWISTER 47 CREAM  
5 KPT TWISTER 48 DK BLUE  
4 KPT TWISTER 49 DK BLUE  
3 KPT TWISTER 50 COPPER

**3 PLUGS****SUMMARY OF REGULATORS**

139 Senn PSR2 10 psi

**TOTAL OF 139 REGULATORS**



## NOZZLE POSITION CHART

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

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
1	PLUG				4		55	30	PSR210	7		112	44	PSR210
2	PLUG				5		56	31	PSR210	8		113	44	PSR210
3	PLUG				6		57	31	PSR210	9		114	44	PSR210
4		1	10	PSR210	7		58	31	PSR210	10		115	45	PSR210
5		2	10	PSR210	8		59	31	PSR210	11		116	45	PSR210
6		3	10	PSR210	9		60	32	PSR210	12		117	45	PSR210
7		4	10	PSR210	10		61	32	PSR210	13		118	45	PSR210
8		5	11	PSR210	11		62	32	PSR210	14		119	46	PSR210
9		6	12	PSR210	12		63	33	PSR210	15		120	46	PSR210
10		7	12	PSR210	13		64	33	PSR210	16		121	46	PSR210
11		8	13	PSR210	14		65	33	PSR210	TOWER 7				
12		9	13	PSR210	15		66	33	PSR210	1		122	46	PSR210
13		10	14	PSR210	16		67	34	PSR210	2		123	46	PSR210
14		11	15	PSR210	17		68	34	PSR210	3		124	47	PSR210
15		12	15	PSR210	18		69	34	PSR210	4		125	47	PSR210
16		13	16	PSR210	TOWER 4					5		126	47	PSR210
17		14	16	PSR210	1		70	34	PSR210	6		127	47	PSR210
18		15	17	PSR210	2		71	35	PSR210	7		128	48	PSR210
TOWER 1					3		72	35	PSR210	8		129	48	PSR210
1		16	17	PSR210	4		73	35	PSR210	9		130	48	PSR210
2		17	18	PSR210	5		74	35	PSR210	10		131	48	PSR210
3		18	18	PSR210	6		75	36	PSR210	11		132	48	PSR210
4		19	18	PSR210	7		76	36	PSR210	12		133	49	PSR210
5		20	19	PSR210	8		77	36	PSR210	13		134	49	PSR210
6		21	19	PSR210	9		78	36	PSR210	14		135	49	PSR210
7		22	20	PSR210	10		79	37	PSR210	15		136	49	PSR210
8		23	20	PSR210	11		80	37	PSR210	16		137	50	PSR210
9		24	20	PSR210	12		81	37	PSR210	TOWER 8				
10		25	21	PSR210	13		82	37	PSR210	1		138	50	PSR210
11		26	21	PSR210	14		83	38	PSR210	2		139	50	PSR210
12		27	22	PSR210	15		84	38	PSR210					
13		28	22	PSR210	16		85	38	PSR210					
14		29	22	PSR210	17		86	38	PSR210					
15		30	23	PSR210	18		87	38	PSR210					
16		31	23	PSR210	TOWER 5									
17		32	23	PSR210	1		88	39	PSR210					
18		33	24	PSR210	2		89	39	PSR210					
TOWER 2					3		90	39	PSR210					
1		34	24	PSR210	4		91	39	PSR210					
2		35	24	PSR210	5		92	40	PSR210					
3		36	25	PSR210	6		93	40	PSR210					
4		37	25	PSR210	7		94	40	PSR210					
5		38	25	PSR210	8		95	40	PSR210					
6		39	26	PSR210	9		96	41	PSR210					
7		40	26	PSR210	10		97	41	PSR210					
8		41	26	PSR210	11		98	41	PSR210					
9		42	27	PSR210	12		99	41	PSR210					
10		43	27	PSR210	13		100	41	PSR210					
11		44	27	PSR210	14		101	42	PSR210					
12		45	28	PSR210	15		102	42	PSR210					
13		46	28	PSR210	16		103	42	PSR210					
14		47	28	PSR210	17		104	42	PSR210					
15		48	28	PSR210	18		105	42	PSR210					
16		49	29	PSR210	TOWER 6									
17		50	29	PSR210	1		106	43	PSR210					
18		51	29	PSR210	2		107	43	PSR210					
TOWER 3					3		108	43	PSR210					
1		52	30	PSR210	4		109	43	PSR210					
2		53	30	PSR210	5		110	44	PSR210					
3		54	30	PSR210	6		111	44	PSR210					

# WESTERN KANSAS IRRIGATION

2729 WEST OKLAHOMA  
ULYSSES, KANSAS 67880

SEPTEMBER 26, 2025  
WISH-119624  
ALFALFA FARM  
NE 1/4 3-27-36 GRANT  
950 gpm @ 29 psi

VALLEY 6000  
KOMET PRECISION TWISTER  
SENNINGER 10 PSI REGULATORS  
3/4 INCH SCHEDULE 40 GALVANIZED PIPE  
NO ENDGUN

Rotation time at 100% = 21.20 Hours Or 1272 minutes

## Nozzle Difference

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Previous chart: WISH-109039 550 gpm @ 19 psi

Current chart: WISH-119624 950 gpm @ 29 psi

### Nozzle Type and Size

### Difference

KOMET 37 PURPLE  
KOMET 38 BLACK  
KOMET 39 BLACK  
KOMET 40 DK TURQ  
KOMET 41 DK TURQ  
KOMET 42 MUSTARD  
KOMET 43 MUSTARD  
KOMET 44 MAROON  
KOMET 45 MAROON  
KOMET 46 CREAM  
KOMET 47 CREAM  
KOMET 48 DK BLUE  
KOMET 49 DK BLUE  
KOMET 50 COPPER

3  
5  
4  
4  
5  
5  
4  
5  
4  
5  
4  
5  
4  
3

**Total: 60**

### Previous WISH Printouts

WISH-109039 550 gpm @ 19 PSI APRIL 11, 2023  
WISH-94781 600 gpm @ 20 PSI APRIL 13, 2020  
WISH-92404 525 gpm @ 15 PSI MAY 24, 2019  
WISH-91901 625 gpm @ 16 PSI APRIL 16, 2019

**PRECIPITATION CHART FOR FULL CIRCLE**

WISH-119624

SEPTEMBER 26, 2025

DEALER - WESTERN KANSAS IRRIGATION

IRRIGATOR - ALFALFA FARM

FIELD - NE 1/4 3-27-36 GRANT

TOTAL LENGTH PIPE = 1299.70    SYSTEM PRESSURE = 29 PSI  
 GPM UNDER PIPE = 950.26    TOTAL GPM = 950.26  
 ACRES UNDER PIPE = 121.83  
 RANGE OF ENDGUN = .00    RUN FOR MINIMUM PRESSURE  
 GPM OF ENDGUN = .00  
 ACRES UNDER ENDGUN = .00

MOTOR SIZE (HP) = 1  
 LOADED MOTOR RPM = 1745  
 CENTER GEAR BOX RATIO = 58  
 WHEEL GEAR BOX RATIO = 52  
 TIRE SIZE = 11 X 24.5  
 LAST TOWER SPEED (FPM) = 6.33

**PRECIPITATION BASED**

**% TIMER BASED**

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.37	100.00	21.20 - 1272 (min)	100.00	.37	21.20 - 1272 (min)
.40	91.34	23.21	90.00	.41	23.55
.50	73.07	29.01	80.00	.46	26.50
.60	60.89	34.81	70.00	.52	30.28
.70	52.19	40.62	60.00	.61	35.33
.75	48.71	43.52	50.00	.73	42.40
.80	45.67	46.42	45.00	.81	47.11
.90	40.60	52.22	40.00	.91	53.00
1.00	36.54	58.02	35.00	1.04	60.57
1.25	29.23	72.53	30.00	1.22	70.66
1.50	24.36	87.03	25.00	1.46	84.80
1.75	20.88	101.54	20.00	1.83	106.00
2.00	18.27	116.05	15.00	2.44	141.33
2.25	16.24	130.55	10.00	3.65	211.99
2.50	14.61	145.06	5.00	7.31	423.98

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.