

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
P.O. NO. : INV170075
FIELD : S/N 63114

KOMET PRECISION TWISTER
SENNINGER 10 PSI REGULATORS
NO ENDGUN
ELEVATION 2 FT UP, 23 FT DOWN

2729 WEST OKLAHOMA
ULYSSES, KANSAS 67880
(620)353-1111

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

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

Rotation time at 100% = 21.20 Hours Or 1272 minutes

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

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						126	47	PSR210
17		14	16	PSR210	1		70	34	PSR210	5		127	47	PSR210
18		15	17	PSR210	2		71	35	PSR210	6		128	48	PSR210
	TOWER 1				3		72	35	PSR210	7		129	48	PSR210
1		16	17	PSR210	4		73	35	PSR210	8		130	48	PSR210
2		17	18	PSR210	5		74	35	PSR210	9		131	48	PSR210
3		18	18	PSR210	6		75	36	PSR210	10		132	48	PSR210
4		19	18	PSR210	7		76	36	PSR210	11		133	49	PSR210
5		20	19	PSR210	8		77	36	PSR210	12		134	49	PSR210
6		21	19	PSR210	9		78	36	PSR210	13		135	49	PSR210
7		22	20	PSR210	10		79	37	PSR210	14		136	49	PSR210
8		23	20	PSR210	11		80	37	PSR210	15		137	50	PSR210
9		24	20	PSR210	12		81	37	PSR210	16				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					
	TOWER 5				3		88	39	PSR210					
1		34	24	PSR210	4		89	39	PSR210					
2		35	24	PSR210	5		90	39	PSR210					
3		36	25	PSR210	6		91	39	PSR210					
4		37	25	PSR210	7		92	40	PSR210					
5		38	25	PSR210	8		93	40	PSR210					
6		39	26	PSR210	9		94	40	PSR210					
7		40	26	PSR210	10		95	40	PSR210					
8		41	26	PSR210	11		96	41	PSR210					
9		42	27	PSR210	12		97	41	PSR210					
10		43	27	PSR210	13		98	41	PSR210					
11		44	27	PSR210	14		99	41	PSR210					
12		45	28	PSR210	15		100	41	PSR210					
13		46	28	PSR210	16		101	42	PSR210					
14		47	28	PSR210	17		102	42	PSR210					
15		48	28	PSR210	18		103	42	PSR210					
16		49	29	PSR210		TOWER 6	104	42	PSR210					
17		50	29	PSR210	1		105	42	PSR210					
18		51	29	PSR210	2		106	43	PSR210					
	TOWER 3				3		107	43	PSR210					
1		52	30	PSR210	4		108	43	PSR210					
2		53	30	PSR210	5		109	43	PSR210					
3		54	30	PSR210	6		110	44	PSR210					

WESTERN KANSAS IRRIGATION

2729 WEST OKLAHOMA

ULYSSES, KANSAS 67880

Rotation time at 100% = 21.20 Hours Or 1272 minutes

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

Nozzle Difference

Previous chart: WISH-109039 550 gpm @ 19 psi

Current chart: WISH-119624 950 gpm @ 29 psi

<u>Nozzle Type and Size</u>	<u>Difference</u>	<u>Previous WISH Printouts</u>
KOMET 37 PURPLE	3	WISH-109039 550 gpm @ 19 PSI APRIL 11, 2023
KOMET 38 BLACK	5	WISH-94781 600 gpm @ 20 PSI APRIL 13, 2020
KOMET 39 BLACK	4	WISH-92404 525 gpm @ 15 PSI MAY 24, 2019
KOMET 40 DK TURQ	4	WISH-91901 625 gpm @ 16 PSI APRIL 16, 2019
KOMET 41 DK TURQ	5	
KOMET 42 MUSTARD	5	
KOMET 43 MUSTARD	4	
KOMET 44 MAROON	5	
KOMET 45 MAROON	4	
KOMET 46 CREAM	5	
KOMET 47 CREAM	4	
KOMET 48 DK BLUE	5	
KOMET 49 DK BLUE	4	
KOMET 50 COPPER	3	
Total:	60	

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119624

SEPTEMBER 26, 2025

DEALER - WESTERN KANSAS IRRIGATION

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

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