

# HI PLAINS FARM EQUIPMENT

SEPTEMBER 18, 2025

WISH-119604

CUSTOMER : SKYBOUND

LINDSAY GEN II  
8 TOWER - 1281.47 FT  
SYSTEM 600 GPM @ 30 PSI

LEGAL : 701

KOMET PRECISION TWISTERS  
KOMET 10 PSI REGULATORS  
NO ENDGUN  
ELEVATION 15 FT UP, 15 FT DOWN

1509 SOUTH 2ND  
DODGE CITY, KANSAS 67801  
(620)225-0064

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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.

DEALER

HI PLAINS FARM EQUIPMENT

1509 SOUTH 2ND

DODGE CITY, KANSAS 67801

IRRIGATOR

SKYBOUND

701

				SPAN #	LENGTH	PIPE I.D.	# OF HEADS
TOTAL TARGET GPM	600.00	FRICTION FACTOR USED	140				
TOP OF PIVOT PRESSURE	30.00	TOTAL LENGTH	1281.47	1	159.60	6.395	15
NO ENDGUN		NUMBER OF TOWERS	8	2	157.00	6.395	18
NUMBER OF OUTLETS	148	NUMBER OF SPRINKLERS	145	3	157.00	6.395	18
				4	157.00	6.395	18
KOMET PRECISION TWISTERS - BLACK STANDARD ANGLE PLATES				5	157.00	6.395	18
KOMET KPR-X 10 PSI PRESSURE REGULATORS				6	157.00	6.395	18
DROPS AVERAGE 8.5 FT OF .75 I.D. FLEXIBLE HOSE				7	157.00	6.395	18
ELEVATION IS 15 FT UP AND 15 FT DOWN				8	157.00	6.395	18
				OH	22.87	5.369	4

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.	DROP LENGTH
1		9.09	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	1	
2		17.38	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	2	
3		26.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	3	
4	35.14	35.14	0.22	0.61	29.14	10.93	KPT	TWISTER	10	BEIGE	1	KPRX10		102
5	8.29	43.43	0.26	0.61	28.94	10.93	KPT	TWISTER	10	BEIGE	2	KPRX10		108
6	8.41	51.84	0.30	0.61	28.77	10.93	KPT	TWISTER	10	BEIGE	3	KPRX10		108
7	7.42	59.26	0.32	0.61	28.64	10.93	KPT	TWISTER	10	BEIGE	4	KPRX10		114
8	7.42	66.68	0.38	0.61	28.53	10.93	KPT	TWISTER	10	BEIGE	5	KPRX10		114
9	8.41	75.09	0.46	0.61	28.43	10.93	KPT	TWISTER	10	BEIGE	6	KPRX10		114
10	8.29	83.38	0.52	0.61	28.36	10.93	KPT	TWISTER	10	BEIGE	7	KPRX10		114
11	8.88	92.26	0.59	0.61	28.32	10.93	KPT	TWISTER	10	BEIGE	8	KPRX10		114
12	8.88	101.14	0.63	0.61	28.31	10.93	KPT	TWISTER	10	BEIGE	9	KPRX10		114
13	8.29	109.43	0.72	0.73	28.32	10.92	KPT	TWISTER	11	BEIGE	10	KPRX10		108
14	9.66	119.09	0.77	0.73	28.38	10.92	KPT	TWISTER	11	BEIGE	11	KPRX10		108
15	8.29	127.38	0.79	0.73	28.45	10.92	KPT	TWISTER	11	BEIGE	12	KPRX10		102
16	8.88	136.26	0.88	0.87	28.56	10.91	KPT	TWISTER	12	GOLD	13	KPRX10		96
17	8.88	145.14	0.90	0.87	28.70	10.91	KPT	TWISTER	12	GOLD	14	KPRX10		90
18	8.29	153.43	1.17	1.18	28.79	10.89	KPT	TWISTER	14	LIME	15	KPRX10		84
TOWER 1	159.60	159.60												
19	12.66	166.09	1.25	1.18	28.69	10.89	KPT	TWISTER	14	LIME	16	KPRX10		84
20	8.29	174.38	1.09	1.01	28.43	10.90	KPT	TWISTER	13	GOLD	17	KPRX10		90
21	8.88	183.26	1.18	1.18	28.16	10.89	KPT	TWISTER	14	LIME	18	KPRX10		96
22	8.88	192.14	1.20	1.18	27.92	10.89	KPT	TWISTER	14	LIME	19	KPRX10		102
23	8.29	200.43	1.22	1.18	27.72	10.89	KPT	TWISTER	14	LIME	20	KPRX10		108
24	8.41	208.84	1.20	1.18	27.55	10.89	KPT	TWISTER	14	LIME	21	KPRX10		108
25	7.42	216.26	1.17	1.18	27.42	10.89	KPT	TWISTER	14	LIME	22	KPRX10		114
26	7.42	223.68	1.29	1.35	27.31	10.88	KPT	TWISTER	15	LIME	23	KPRX10		114
27	8.41	232.09	1.41	1.35	27.22	10.88	KPT	TWISTER	15	LIME	24	KPRX10		114
28	8.29	240.38	1.50	1.53	27.16	10.86	KPT	TWISTER	16	LAVENDER	25	KPRX10		114
29	8.88	249.26	1.61	1.53	27.12	10.86	KPT	TWISTER	16	LAVENDER	26	KPRX10		114
30	8.88	258.14	1.61	1.53	27.11	10.86	KPT	TWISTER	16	LAVENDER	27	KPRX10		114
31	8.29	266.43	1.74	1.72	27.13	10.85	KPT	TWISTER	17	LAVENDER	28	KPRX10		108
32	9.66	276.09	1.80	1.72	27.18	10.85	KPT	TWISTER	17	LAVENDER	29	KPRX10		108
33	8.29	284.38	1.77	1.72	27.26	10.85	KPT	TWISTER	17	LAVENDER	30	KPRX10		102
34	8.88	293.26	1.89	1.93	27.38	10.84	KPT	TWISTER	18	GREY	31	KPRX10		96
35	8.88	302.14	1.88	1.93	27.52	10.84	KPT	TWISTER	18	GREY	32	KPRX10		90
36	8.29	310.43	2.37	2.37	27.62	10.80	KPT	TWISTER	20	TURQUOISE	33	KPRX10		84
TOWER 2	157.00	316.60												
37	12.66	323.09	2.45	2.37	27.53	10.80	KPT	TWISTER	20	TURQUOISE	34	KPRX10		84
38	8.29	331.38	2.07	2.14	27.27	10.82	KPT	TWISTER	19	GREY	35	KPRX10		90
39	8.88	340.26	2.19	2.14	27.00	10.82	KPT	TWISTER	19	GREY	36	KPRX10		96
40	8.88	349.14	2.18	2.14	26.77	10.82	KPT	TWISTER	19	GREY	37	KPRX10		102
41	8.29	357.43	2.17	2.14	26.58	10.82	KPT	TWISTER	19	GREY	38	KPRX10		108
42	8.41	365.84	2.10	2.14	26.41	10.82	KPT	TWISTER	19	GREY	39	KPRX10		108
43	7.42	373.26	2.01	1.93	26.29	10.84	KPT	TWISTER	18	GREY	40	KPRX10		114
44	7.42	380.68	2.19	2.14	26.19	10.82	KPT	TWISTER	19	GREY	41	KPRX10		114
45	8.41	389.09	2.36	2.37	26.11	10.80	KPT	TWISTER	20	TURQUOISE	42	KPRX10		114
46	8.29	397.38	2.48	2.37	26.05	10.80	KPT	TWISTER	20	TURQUOISE	43	KPRX10		114

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.	DROP LENGTH
47	8.88	406.26	2.62	2.62	26.01	10.79	KPT	TWISTER	21	TURQUOISE	44	KPRX10		114
48	8.88	415.14	2.59	2.62	26.01	10.79	KPT	TWISTER	21	TURQUOISE	45	KPRX10		114
49	8.29	423.43	2.76	2.86	26.04	10.77	KPT	TWISTER	22	YELLOW	46	KPRX10		108
50	9.66	433.09	2.82	2.86	26.11	10.77	KPT	TWISTER	22	YELLOW	47	KPRX10		108
51	8.29	441.38	2.75	2.86	26.19	10.77	KPT	TWISTER	22	YELLOW	48	KPRX10		102
52	8.88	450.26	2.90	2.86	26.31	10.77	KPT	TWISTER	22	YELLOW	49	KPRX10		96
53	8.88	459.14	2.86	2.86	26.47	10.77	KPT	TWISTER	22	YELLOW	50	KPRX10		90
54	8.29	467.43	3.57	3.67	26.57	10.71	KPT	TWISTER	25	RED	51	KPRX10		84
TOWER 3	157.00	473.60												
55	12.66	480.09	3.64	3.67	26.50	10.71	KPT	TWISTER	25	RED	52	KPRX10		84
56	8.29	488.38	3.05	3.12	26.25	10.75	KPT	TWISTER	23	YELLOW	53	KPRX10		90
57	8.88	497.26	3.21	3.12	25.99	10.75	KPT	TWISTER	23	YELLOW	54	KPRX10		96
58	8.88	506.14	3.16	3.12	25.77	10.75	KPT	TWISTER	23	YELLOW	55	KPRX10		102
59	8.29	514.43	3.12	3.12	25.59	10.75	KPT	TWISTER	23	YELLOW	56	KPRX10		108
60	8.41	522.84	3.00	3.12	25.43	10.75	KPT	TWISTER	23	YELLOW	57	KPRX10		108
61	7.42	530.26	2.86	2.86	25.32	10.77	KPT	TWISTER	22	YELLOW	58	KPRX10		114
62	7.42	537.68	3.09	3.12	25.22	10.75	KPT	TWISTER	23	YELLOW	59	KPRX10		114
63	8.41	546.09	3.31	3.40	25.15	10.73	KPT	TWISTER	24	RED	60	KPRX10		114
64	8.29	554.38	3.46	3.40	25.10	10.73	KPT	TWISTER	24	RED	61	KPRX10		114
65	8.88	563.26	3.63	3.67	25.08	10.71	KPT	TWISTER	25	RED	62	KPRX10		114
66	8.88	572.14	3.57	3.67	25.09	10.71	KPT	TWISTER	25	RED	63	KPRX10		114
67	8.29	580.43	3.78	3.67	25.12	10.71	KPT	TWISTER	25	RED	64	KPRX10		108
68	9.66	590.09	3.84	3.97	25.20	10.69	KPT	TWISTER	26	WHITE	65	KPRX10		108
69	8.29	598.38	3.73	3.67	25.30	10.71	KPT	TWISTER	25	RED	66	KPRX10		102
70	8.88	607.26	3.91	3.97	25.43	10.69	KPT	TWISTER	26	WHITE	67	KPRX10		96
71	8.88	616.14	3.84	3.97	25.60	10.69	KPT	TWISTER	26	WHITE	68	KPRX10		90
72	8.29	624.43	4.75	4.92	25.71	10.63	KPT	TWISTER	29	BLUE	69	KPRX10		84
TOWER 4	157.00	630.60												
73	12.66	637.09	4.83	4.92	25.65	10.63	KPT	TWISTER	29	BLUE	70	KPRX10		84
74	8.29	645.38	4.02	3.97	25.41	10.69	KPT	TWISTER	26	WHITE	71	KPRX10		90
75	8.88	654.26	4.21	4.28	25.17	10.67	KPT	TWISTER	27	WHITE	72	KPRX10		96
76	8.88	663.14	4.13	4.28	24.96	10.67	KPT	TWISTER	27	WHITE	73	KPRX10		102
77	8.29	671.43	4.06	3.97	24.79	10.69	KPT	TWISTER	26	WHITE	74	KPRX10		108
78	8.41	679.84	3.90	3.97	24.64	10.69	KPT	TWISTER	26	WHITE	75	KPRX10		108
79	7.42	687.26	3.70	3.67	24.54	10.71	KPT	TWISTER	25	RED	76	KPRX10		114
80	7.42	694.68	3.99	3.97	24.46	10.69	KPT	TWISTER	26	WHITE	77	KPRX10		114
81	8.41	703.09	4.26	4.28	24.39	10.67	KPT	TWISTER	27	WHITE	78	KPRX10		114
82	8.29	711.38	4.43	4.28	24.35	10.67	KPT	TWISTER	27	WHITE	79	KPRX10		114
83	8.88	720.26	4.64	4.59	24.34	10.65	KPT	TWISTER	28	BLUE	80	KPRX10		114
84	8.88	729.14	4.54	4.59	24.37	10.65	KPT	TWISTER	28	BLUE	81	KPRX10		114
85	8.29	737.43	4.80	4.92	24.42	10.63	KPT	TWISTER	29	BLUE	82	KPRX10		108
86	9.66	747.09	4.86	4.92	24.51	10.63	KPT	TWISTER	29	BLUE	83	KPRX10		108
87	8.29	755.38	4.70	4.59	24.62	10.65	KPT	TWISTER	28	BLUE	84	KPRX10		102
88	8.88	764.26	4.92	4.92	24.76	10.63	KPT	TWISTER	29	BLUE	85	KPRX10		96
89	8.88	773.14	4.81	4.92	24.94	10.63	KPT	TWISTER	29	BLUE	86	KPRX10		90
90	8.29	781.43	5.94	5.96	25.07	10.55	KPT	TWISTER	32	ORANGE	87	KPRX10		84
TOWER 5	157.00	787.60												
91	12.66	794.09	6.02	5.96	25.03	10.55	KPT	TWISTER	32	ORANGE	88	KPRX10		84

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.	DROP LENGTH
92	8.29	802.38	5.00	4.92	24.80	10.63	KPT	TWISTER	29	BLUE	89	KPRX10		90
93	8.88	811.26	5.22	5.25	24.57	10.60	KPT	TWISTER	30	DK BROWN	90	KPRX10		96
94	8.88	820.14	5.11	5.25	24.37	10.60	KPT	TWISTER	30	DK BROWN	91	KPRX10		102
95	8.29	828.43	5.01	4.92	24.21	10.63	KPT	TWISTER	29	BLUE	92	KPRX10		108
96	8.41	836.84	4.80	4.92	24.08	10.63	KPT	TWISTER	29	BLUE	93	KPRX10		108
97	7.42	844.26	4.54	4.59	23.99	10.65	KPT	TWISTER	28	BLUE	94	KPRX10		114
98	7.42	851.68	4.89	4.92	23.92	10.63	KPT	TWISTER	29	BLUE	95	KPRX10		114
99	8.41	860.09	5.20	5.25	23.86	10.60	KPT	TWISTER	30	DK BROWN	96	KPRX10		114
100	8.29	868.38	5.40	5.25	23.84	10.60	KPT	TWISTER	30	DK BROWN	97	KPRX10		114
101	8.88	877.26	5.65	5.61	23.84	10.58	KPT	TWISTER	31	DK BROWN	98	KPRX10		114
102	8.88	886.14	5.51	5.61	23.88	10.58	KPT	TWISTER	31	DK BROWN	99	KPRX10		114
103	8.29	894.43	5.82	5.96	23.94	10.55	KPT	TWISTER	32	ORANGE	100	KPRX10		108
104	9.66	904.09	5.88	5.96	24.04	10.55	KPT	TWISTER	32	ORANGE	101	KPRX10		108
105	8.29	912.38	5.67	5.61	24.16	10.58	KPT	TWISTER	31	DK BROWN	102	KPRX10		102
106	8.88	921.26	5.93	5.96	24.32	10.55	KPT	TWISTER	32	ORANGE	103	KPRX10		96
107	8.88	930.14	5.78	5.96	24.51	10.55	KPT	TWISTER	32	ORANGE	104	KPRX10		90
108	8.29	938.43	7.12	7.29	24.65	10.46	KPT	TWISTER	36	PURPLE	105	KPRX10		84
TOWER 6	157.00	944.60												
109	12.66	951.09	7.20	7.29	24.63	10.46	KPT	TWISTER	36	PURPLE	106	KPRX10		84
110	8.29	959.38	5.96	5.96	24.41	10.55	KPT	TWISTER	32	ORANGE	107	KPRX10		90
111	8.88	968.26	6.22	6.14	24.20	10.54	KPT	TWISTER	33	ORANGE	108	KPRX10		96
112	8.88	977.14	6.07	6.14	24.01	10.54	KPT	TWISTER	33	ORANGE	109	KPRX10		102
113	8.29	985.43	5.95	5.96	23.86	10.55	KPT	TWISTER	32	ORANGE	110	KPRX10		108
114	8.41	993.84	5.69	5.61	23.74	10.58	KPT	TWISTER	31	DK BROWN	111	KPRX10		108
115	7.42	1001.26	5.38	5.25	23.66	10.60	KPT	TWISTER	30	DK BROWN	112	KPRX10		114
116	7.42	1008.68	5.78	5.61	23.60	10.58	KPT	TWISTER	31	DK BROWN	113	KPRX10		114
117	8.41	1017.09	6.15	6.14	23.56	10.54	KPT	TWISTER	33	ORANGE	114	KPRX10		114
118	8.29	1025.38	6.38	6.51	23.55	10.51	KPT	TWISTER	34	DK GREEN	115	KPRX10		114
119	8.88	1034.26	6.65	6.51	23.56	10.51	KPT	TWISTER	34	DK GREEN	116	KPRX10		114
120	8.88	1043.14	6.49	6.51	23.61	10.51	KPT	TWISTER	34	DK GREEN	117	KPRX10		114
121	8.29	1051.43	6.84	6.89	23.68	10.49	KPT	TWISTER	35	DK GREEN	118	KPRX10		108
122	9.66	1061.09	6.90	6.89	23.80	10.49	KPT	TWISTER	35	DK GREEN	119	KPRX10		108
123	8.29	1069.38	6.65	6.51	23.93	10.51	KPT	TWISTER	34	DK GREEN	120	KPRX10		102
124	8.88	1078.26	6.94	6.89	24.10	10.49	KPT	TWISTER	35	DK GREEN	121	KPRX10		96
125	8.88	1087.14	6.77	6.89	24.30	10.49	KPT	TWISTER	35	DK GREEN	122	KPRX10		90
126	8.29	1095.43	8.32	8.52	24.45	10.37	KPT	TWISTER	39	BLACK	123	KPRX10		84
TOWER 7	157.00	1101.60												
127	12.66	1108.09	8.39	8.52	24.44	10.37	KPT	TWISTER	39	BLACK	124	KPRX10		84
128	8.29	1116.38	6.93	6.89	24.24	10.49	KPT	TWISTER	35	DK GREEN	125	KPRX10		90
129	8.88	1125.26	7.23	7.29	24.03	10.46	KPT	TWISTER	36	PURPLE	126	KPRX10		96
130	8.88	1134.14	7.04	6.89	23.85	10.49	KPT	TWISTER	35	DK GREEN	127	KPRX10		102
131	8.29	1142.43	6.90	6.89	23.72	10.49	KPT	TWISTER	35	DK GREEN	128	KPRX10		108
132	8.41	1150.84	6.59	6.51	23.61	10.51	KPT	TWISTER	34	DK GREEN	129	KPRX10		108
133	7.42	1158.26	6.22	6.14	23.53	10.54	KPT	TWISTER	33	ORANGE	130	KPRX10		114
134	7.42	1165.68	6.69	6.51	23.48	10.51	KPT	TWISTER	34	DK GREEN	131	KPRX10		114
135	8.41	1174.09	7.12	7.29	23.45	10.46	KPT	TWISTER	36	PURPLE	132	KPRX10		114
136	8.29	1182.38	7.36	7.29	23.44	10.46	KPT	TWISTER	36	PURPLE	133	KPRX10		114
137	8.88	1191.26	7.67	7.69	23.46	10.43	KPT	TWISTER	37	PURPLE	134	KPRX10		114

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.	DROP LENGTH
138	8.88	1200.14	7.47	7.29	23.52	10.46	KPT TWISTER	36	PURPLE		135	KPRX10		114
139	8.29	1208.43	7.88	7.69	23.60	10.43	KPT TWISTER	37	PURPLE		136	KPRX10		108
140	9.66	1218.09	7.97	8.11	23.72	10.40	KPT TWISTER	38	BLACK		137	KPRX10		108
141	8.29	1226.38	7.66	7.69	23.86	10.43	KPT TWISTER	37	PURPLE		138	KPRX10		102
142	8.88	1235.26	7.97	8.11	24.04	10.40	KPT TWISTER	38	BLACK		139	KPRX10		96
143	8.88	1244.14	7.73	7.69	24.25	10.43	KPT TWISTER	37	PURPLE		140	KPRX10		90
144	8.29	1252.43	8.59	8.52	24.40	10.37	KPT TWISTER	39	BLACK		141	KPRX10		84
TOWER 8	157.00	1258.60	PIPE ID CHANGES FROM 6.395 TO 5.369											
145	10.62	1263.05	8.28	8.11	24.40	10.40	KPT TWISTER	38	BLACK		142	KPRX10		84
146	7.42	1270.47	6.93	6.89	24.40	10.49	KPT TWISTER	35	DK GREEN		143	KPRX10		84
147	7.42	1277.89	5.31	5.25	24.40	10.60	KPT TWISTER	30	DK BROWN		144	KPRX10		84
148	3.58	1281.47	5.24	5.25	24.40	10.60	KPT TWISTER	30	DK BROWN		145	KPRX10		84
OVERHANG	22.87	1281.47												

TOTAL GPM = 600.94

GPA = 5.06

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 15.00 PSI

WITH GRADUATED ELEVATION OF 15.00 FT THE INLET PRESSURE IS 20.06 PSI FOR SPRINKLER 141

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	AVERAGE IN. DELIVERED FOR		
						DELIVERED UNDER SPAN	REVOLUTION TIME		
							36 HR	48 HR	60 HR
1	1.84	9.29	10.55	14%	5.74	0.013	0.46	0.61	0.76
2	5.39	27.27	26.74	-2%	4.96	0.011	0.39	0.53	0.66
3	8.95	45.25	45.11	0%	5.04	0.011	0.40	0.53	0.67
4	12.50	63.23	63.57	1%	5.08	0.011	0.40	0.54	0.67
5	16.06	81.22	80.97	0%	5.04	0.011	0.40	0.53	0.67
6	19.61	99.20	99.15	0%	5.05	0.011	0.40	0.54	0.67
7	23.17	117.18	116.21	-1%	5.02	0.011	0.40	0.53	0.66
8	26.72	135.16	133.71	-1%	5.00	0.011	0.40	0.53	0.66
OVERHANG	4.19	21.19	24.93	18%	5.95	0.013	0.47	0.63	0.79
TOTAL	118.43	599.00	600.94		5.07				

**SUMMARY OF SPRINKLERS**

9 KPT TWISTER 10 BEIGE  
3 KPT TWISTER 11 BEIGE  
2 KPT TWISTER 12 GOLD  
1 KPT TWISTER 13 GOLD  
7 KPT TWISTER 14 LIME  
2 KPT TWISTER 15 LIME  
3 KPT TWISTER 16 LAVENDER  
3 KPT TWISTER 17 LAVENDER  
3 KPT TWISTER 18 GREY  
6 KPT TWISTER 19 GREY  
4 KPT TWISTER 20 TURQUOISE  
2 KPT TWISTER 21 TURQUOISE  
6 KPT TWISTER 22 YELLOW  
6 KPT TWISTER 23 YELLOW  
2 KPT TWISTER 24 RED  
7 KPT TWISTER 25 RED  
7 KPT TWISTER 26 WHITE  
4 KPT TWISTER 27 WHITE  
4 KPT TWISTER 28 BLUE  
10 KPT TWISTER 29 BLUE  
7 KPT TWISTER 30 DK BROWN  
5 KPT TWISTER 31 DK BROWN  
8 KPT TWISTER 32 ORANGE  
4 KPT TWISTER 33 ORANGE  
6 KPT TWISTER 34 DK GREEN  
8 KPT TWISTER 35 DK GREEN  
6 KPT TWISTER 36 PURPLE  
4 KPT TWISTER 37 PURPLE  
3 KPT TWISTER 38 BLACK  
3 KPT TWISTER 39 BLACK

**3 PLUGS****SUMMARY OF DROPS**

19 84 IN DROP  
15 90 IN DROP  
15 96 IN DROP  
16 102 IN DROP  
32 108 IN DROP  
48 114 IN DROP

**TOTAL OF 145 DROPS**  
**LENGTH OF HOSE: 1245.5 FT.**

**SUMMARY OF REGULATORS**

145 Komet PR-X 10 psi

**TOTAL OF 145 REGULATORS**



## NOZZLE POSITION CHART

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

HI PLAINS FARM EQUIPMENT  
1509 SOUTH 2ND  
DODGE CITY, KANSAS 67801

SEPTEMBER 18, 2025  
WISH-119604  
SKYBOUND  
701

LINDSAY GEN II  
KOMET PRECISION TWISTERS  
KOMET 10 PSI REGULATORS  
.75 I.D. FLEXIBLE HOSE  
HEAD

Rotation time at 100% = 14.48 Hours Or 869 minutes

600 GPM @ 30 PSI

Installation Chart

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg
1	PLUG				4	102	55	23	KPRX10	7	114	112	30	KPRX10
2	PLUG				5	108	56	23	KPRX10	8	114	113	31	KPRX10
3	PLUG				6	108	57	23	KPRX10	9	114	114	33	KPRX10
4	102	1	10	KPRX10	7	114	58	22	KPRX10	10	114	115	34	KPRX10
5	108	2	10	KPRX10	8	114	59	23	KPRX10	11	114	116	34	KPRX10
6	108	3	10	KPRX10	9	114	60	24	KPRX10	12	114	117	34	KPRX10
7	114	4	10	KPRX10	10	114	61	24	KPRX10	13	108	118	35	KPRX10
8	114	5	10	KPRX10	11	114	62	25	KPRX10	14	108	119	35	KPRX10
9	114	6	10	KPRX10	12	114	63	25	KPRX10	15	102	120	34	KPRX10
10	114	7	10	KPRX10	13	108	64	25	KPRX10	16	96	121	35	KPRX10
11	114	8	10	KPRX10	14	108	65	26	KPRX10	17	90	122	35	KPRX10
12	114	9	10	KPRX10	15	102	66	25	KPRX10	18	84	123	39	KPRX10
13	108	10	11	KPRX10	16	96	67	26	KPRX10	TOWER 7				
14	108	11	11	KPRX10	17	90	68	26	KPRX10	1	84	124	39	KPRX10
15	102	12	11	KPRX10	18	84	69	29	KPRX10	2	90	125	35	KPRX10
16	96	13	12	KPRX10	TOWER 4					3	96	126	36	KPRX10
17	90	14	12	KPRX10	1	84	70	29	KPRX10	4	102	127	35	KPRX10
18	84	15	14	KPRX10	2	90	71	26	KPRX10	5	108	128	35	KPRX10
TOWER 1					3	96	72	27	KPRX10	6	108	129	34	KPRX10
1	84	16	14	KPRX10	4	102	73	27	KPRX10	7	114	130	33	KPRX10
2	90	17	13	KPRX10	5	108	74	26	KPRX10	8	114	131	34	KPRX10
3	96	18	14	KPRX10	6	108	75	26	KPRX10	9	114	132	36	KPRX10
4	102	19	14	KPRX10	7	114	76	25	KPRX10	10	114	133	36	KPRX10
5	108	20	14	KPRX10	8	114	77	26	KPRX10	11	114	134	37	KPRX10
6	108	21	14	KPRX10	9	114	78	27	KPRX10	12	114	135	36	KPRX10
7	114	22	14	KPRX10	10	114	79	27	KPRX10	13	108	136	37	KPRX10
8	114	23	15	KPRX10	11	114	80	28	KPRX10	14	108	137	38	KPRX10
9	114	24	15	KPRX10	12	114	81	28	KPRX10	15	102	138	37	KPRX10
10	114	25	16	KPRX10	13	108	82	29	KPRX10	16	96	139	38	KPRX10
11	114	26	16	KPRX10	14	108	83	29	KPRX10	17	90	140	37	KPRX10
12	114	27	16	KPRX10	15	102	84	28	KPRX10	18	84	141	39	KPRX10
13	108	28	17	KPRX10	16	96	85	29	KPRX10	TOWER 8				
14	108	29	17	KPRX10	17	90	86	29	KPRX10	1	84	142	38	KPRX10
15	102	30	17	KPRX10	18	84	87	32	KPRX10	2	84	143	35	KPRX10
16	96	31	18	KPRX10	TOWER 5					3	84	144	30	KPRX10
17	90	32	18	KPRX10	1	84	88	32	KPRX10	4	84	145	30	KPRX10
18	84	33	20	KPRX10	2	90	89	29	KPRX10					
TOWER 2					3	96	90	30	KPRX10					
1	84	34	20	KPRX10	4	102	91	30	KPRX10					
2	90	35	19	KPRX10	5	108	92	29	KPRX10					
3	96	36	19	KPRX10	6	108	93	29	KPRX10					
4	102	37	19	KPRX10	7	114	94	28	KPRX10					
5	108	38	19	KPRX10	8	114	95	29	KPRX10					
6	108	39	19	KPRX10	9	114	96	30	KPRX10					
7	114	40	18	KPRX10	10	114	97	30	KPRX10					
8	114	41	19	KPRX10	11	114	98	31	KPRX10					
9	114	42	20	KPRX10	12	114	99	31	KPRX10					
10	114	43	20	KPRX10	13	108	100	32	KPRX10					
11	114	44	21	KPRX10	14	108	101	32	KPRX10					
12	114	45	21	KPRX10	15	102	102	31	KPRX10					
13	108	46	22	KPRX10	16	96	103	32	KPRX10					
14	108	47	22	KPRX10	17	90	104	32	KPRX10					
15	102	48	22	KPRX10	18	84	105	36	KPRX10					
16	96	49	22	KPRX10	TOWER 6									
17	90	50	22	KPRX10	1	84	106	36	KPRX10					
18	84	51	25	KPRX10	2	90	107	32	KPRX10					
TOWER 3					3	96	108	33	KPRX10					
1	84	52	25	KPRX10	4	102	109	33	KPRX10					
2	90	53	23	KPRX10	5	108	110	32	KPRX10					
3	96	54	23	KPRX10	6	108	111	31	KPRX10					

# PRECIPITATION CHART FOR FULL CIRCLE

WISH-119604

SEPTEMBER 18, 2025

DEALER - HI PLAINS FARM EQUIPMENT

IRRIGATOR - SKYBOUND

FIELD - 701

TOTAL LENGTH PIPE = 1281.47    SYSTEM PRESSURE = 30 PSI  
 GPM UNDER PIPE = 600.94    TOTAL GPM = 600.94  
 ACRES UNDER PIPE = 118.43  
 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) = 9.10

## PRECIPITATION BASED

## % TIMER BASED

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.16	100.00	14.48 - 869(min)	100.00	.16	14.48 - 869(min)
.20	81.19	17.84	90.00	.18	16.09
.25	64.95	22.30	80.00	.20	18.10
.30	54.13	26.76	70.00	.23	20.69
.40	40.60	35.68	60.00	.27	24.14
.50	32.48	44.60	50.00	.32	28.97
.60	27.06	53.52	45.00	.36	32.19
.70	23.20	62.44	40.00	.41	36.21
.75	21.65	66.90	35.00	.46	41.38
.80	20.30	71.36	30.00	.54	48.28
.90	18.04	80.28	25.00	.65	57.93
1.00	16.24	89.20	20.00	.81	72.42
1.25	12.99	111.49	15.00	1.08	96.56
1.50	10.83	133.79	10.00	1.62	144.84
1.75	9.28	156.09	5.00	3.25	289.67

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.

DEALER - HI PLAINS FARM EQUIPMENT

IRRIGATOR - SKYBOUND  
FIELD - 701

<u>SPAN 1</u> <u>POS/LEN</u>	<u>SPAN 2</u> <u>POS/LEN</u>	<u>SPAN 3</u> <u>POS/LEN</u>	<u>SPAN 4</u> <u>POS/LEN</u>	<u>SPAN 5</u> <u>POS/LEN</u>	<u>SPAN 6</u> <u>POS/LEN</u>	<u>SPAN 7</u> <u>POS/LEN</u>	<u>SPAN 8</u> <u>POS/LEN</u>	<u>ENDBOOM</u> <u>POS/LEN</u>
1 - 102	16 - 84	34 - 84	52 - 84	70 - 84	88 - 84	106 - 84	124 - 84	142 - 84
2 - 108	17 - 90	35 - 90	53 - 90	71 - 90	89 - 90	107 - 90	125 - 90	143 - 84
3 - 108	18 - 96	36 - 96	54 - 96	72 - 96	90 - 96	108 - 96	126 - 96	144 - 84
4 - 114	19 - 102	37 - 102	55 - 102	73 - 102	91 - 102	109 - 102	127 - 102	145 - 84
5 - 114	20 - 108	38 - 108	56 - 108	74 - 108	92 - 108	110 - 108	128 - 108	
6 - 114	21 - 108	39 - 108	57 - 108	75 - 108	93 - 108	111 - 108	129 - 108	
7 - 114	22 - 114	40 - 114	58 - 114	76 - 114	94 - 114	112 - 114	130 - 114	
8 - 114	23 - 114	41 - 114	59 - 114	77 - 114	95 - 114	113 - 114	131 - 114	
9 - 114	24 - 114	42 - 114	60 - 114	78 - 114	96 - 114	114 - 114	132 - 114	
10 - 108	25 - 114	43 - 114	61 - 114	79 - 114	97 - 114	115 - 114	133 - 114	
11 - 108	26 - 114	44 - 114	62 - 114	80 - 114	98 - 114	116 - 114	134 - 114	
12 - 102	27 - 114	45 - 114	63 - 114	81 - 114	99 - 114	117 - 114	135 - 114	
13 - 96	28 - 108	46 - 108	64 - 108	82 - 108	100 - 108	118 - 108	136 - 108	
14 - 90	29 - 108	47 - 108	65 - 108	83 - 108	101 - 108	119 - 108	137 - 108	
15 - 84	30 - 102	48 - 102	66 - 102	84 - 102	102 - 102	120 - 102	138 - 102	
	31 - 96	49 - 96	67 - 96	85 - 96	103 - 96	121 - 96	139 - 96	
	32 - 90	50 - 90	68 - 90	86 - 90	104 - 90	122 - 90	140 - 90	
	33 - 84	51 - 84	69 - 84	87 - 84	105 - 84	123 - 84	141 - 84	

## SUMMARY OF DROPS

19 - 84 IN DROP  
15 - 90 IN DROP  
15 - 96 IN DROP  
16 - 102 IN DROP  
32 - 108 IN DROP  
48 - 114 IN DROP

TOTAL OF 145 DROPS