

HI PLAINS FARM EQUIPMENT

APRIL 29,. 2024

CUSTOMER : SKYBOUND

LEGAL : 701

WISH-113755

LINDSAY GEN II

8 TOWER - 1281.47 FT

SYSTEM 400 GPM @ 30 PSI

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

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

TOTAL TARGET GPM	400.00	FRICTION FACTOR USED	140	SPANS	LENGTH	PIPE I.D.
TOP OF PIVOT PRESSURE	30.00	TOTAL LENGTH	1281.47	1	159.60	6.395
NO ENDGUN		NUMBER OF TOWERS	8	7	157.00	6.395
NUMBER OF OUTLETS	148	NUMBER OF SPRINKLERS	145	OH	22.87	5.369

KOMET PRECISION TWISTERS - BLACK STANDARD ANGLE PLATES
KOMET KPR-X 10 PSI PRESSURE REGULATORS
DROPS AVERAGE 8.5 FT OF .75 I.D. FLEXIBLE HOSE
ELEVATION IS 15 FT UP AND 15 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.	DROP LENGTH
1		9.09	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	1	
2		17.38	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	2	
3		26.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	3	
4	35.14	35.14	0.38	0.61	29.29	10.93	KPT	TWISTER	10	BEIGE		1	KPRX10		102
5	8.29	43.43	0.18	0.61	29.13	10.93	KPT	TWISTER	10	BEIGE		2	KPRX10		108
6	8.41	51.84	0.20	0.61	28.99	10.93	KPT	TWISTER	10	BEIGE		3	KPRX10		108
7	7.42	59.26	0.21	0.61	28.89	10.93	KPT	TWISTER	10	BEIGE		4	KPRX10		114
8	7.42	66.68	0.26	0.61	28.81	10.93	KPT	TWISTER	10	BEIGE		5	KPRX10		114
9	8.41	75.09	0.30	0.61	28.75	10.93	KPT	TWISTER	10	BEIGE		6	KPRX10		114
10	8.29	83.38	0.35	0.61	28.71	10.93	KPT	TWISTER	10	BEIGE		7	KPRX10		114
11	8.88	92.26	0.40	0.61	28.71	10.93	KPT	TWISTER	10	BEIGE		8	KPRX10		114
12	8.88	101.14	0.42	0.61	28.73	10.93	KPT	TWISTER	10	BEIGE		9	KPRX10		114
13	8.29	109.43	0.48	0.61	28.78	10.93	KPT	TWISTER	10	BEIGE		10	KPRX10		108
14	9.66	119.09	0.51	0.61	28.87	10.93	KPT	TWISTER	10	BEIGE		11	KPRX10		108
15	8.29	127.38	0.53	0.61	28.98	10.93	KPT	TWISTER	10	BEIGE		12	KPRX10		102
16	8.88	136.26	0.58	0.61	29.13	10.93	KPT	TWISTER	10	BEIGE		13	KPRX10		96
17	8.88	145.14	0.60	0.61	29.30	10.93	KPT	TWISTER	10	BEIGE		14	KPRX10		90
18	8.29	153.43	0.78	0.73	29.43	10.92	KPT	TWISTER	11	BEIGE		15	KPRX10		84
TOWER 1	159.60	159.60													
19	12.66	166.09	0.83	0.87	29.38	10.91	KPT	TWISTER	12	GOLD		16	KPRX10		84
20	8.29	174.38	0.72	0.73	29.15	10.92	KPT	TWISTER	11	BEIGE		17	KPRX10		90
21	8.88	183.26	0.78	0.73	28.92	10.92	KPT	TWISTER	11	BEIGE		18	KPRX10		96
22	8.88	192.14	0.79	0.73	28.71	10.92	KPT	TWISTER	11	BEIGE		19	KPRX10		102
23	8.29	200.43	0.81	0.87	28.55	10.91	KPT	TWISTER	12	GOLD		20	KPRX10		108
24	8.41	208.84	0.80	0.73	28.41	10.92	KPT	TWISTER	11	BEIGE		21	KPRX10		108
25	7.42	216.26	0.77	0.73	28.32	10.92	KPT	TWISTER	11	BEIGE		22	KPRX10		114
26	7.42	223.68	0.85	0.87	28.24	10.91	KPT	TWISTER	12	GOLD		23	KPRX10		114
27	8.41	232.09	0.93	0.87	28.18	10.91	KPT	TWISTER	12	GOLD		24	KPRX10		114
28	8.29	240.38	1.00	1.01	28.15	10.90	KPT	TWISTER	13	GOLD		25	KPRX10		114
29	8.88	249.26	1.07	1.01	28.14	10.90	KPT	TWISTER	13	GOLD		26	KPRX10		114
30	8.88	258.14	1.07	1.01	28.17	10.90	KPT	TWISTER	13	GOLD		27	KPRX10		114
31	8.29	266.43	1.16	1.18	28.22	10.89	KPT	TWISTER	14	LIME		28	KPRX10		108
32	9.66	276.09	1.19	1.18	28.31	10.89	KPT	TWISTER	14	LIME		29	KPRX10		108
33	8.29	284.38	1.18	1.18	28.42	10.89	KPT	TWISTER	14	LIME		30	KPRX10		102
34	8.88	293.26	1.26	1.18	28.57	10.89	KPT	TWISTER	14	LIME		31	KPRX10		96
35	8.88	302.14	1.25	1.18	28.75	10.89	KPT	TWISTER	14	LIME		32	KPRX10		90
36	8.29	310.43	1.57	1.53	28.88	10.86	KPT	TWISTER	16	LAVENDER		33	KPRX10		84
TOWER 2	157.00	316.60													
37	12.66	323.09	1.63	1.72	28.84	10.85	KPT	TWISTER	17	LAVENDER		34	KPRX10		84
38	8.29	331.38	1.37	1.35	28.61	10.88	KPT	TWISTER	15	LIME		35	KPRX10		90
39	8.88	340.26	1.46	1.53	28.38	10.86	KPT	TWISTER	16	LAVENDER		36	KPRX10		96
40	8.88	349.14	1.45	1.53	28.18	10.86	KPT	TWISTER	16	LAVENDER		37	KPRX10		102
41	8.29	357.43	1.44	1.53	28.02	10.86	KPT	TWISTER	16	LAVENDER		38	KPRX10		108
42	8.41	365.84	1.40	1.35	27.88	10.88	KPT	TWISTER	15	LIME		39	KPRX10		108
43	7.42	373.26	1.34	1.35	27.79	10.88	KPT	TWISTER	15	LIME		40	KPRX10		114
44	7.42	380.68	1.45	1.53	27.71	10.86	KPT	TWISTER	16	LAVENDER		41	KPRX10		114
45	8.41	389.09	1.57	1.53	27.66	10.86	KPT	TWISTER	16	LAVENDER		42	KPRX10		114
46	8.29	397.38	1.65	1.72	27.63	10.85	KPT	TWISTER	17	LAVENDER		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	1.74	1.72	27.63	10.85	KPT	TWISTER	17	LAVENDER	44	KPRX10		114
48	8.88	415.14	1.72	1.72	27.66	10.85	KPT	TWISTER	17	LAVENDER	45	KPRX10		114
49	8.29	423.43	1.83	1.93	27.71	10.84	KPT	TWISTER	18	GREY	46	KPRX10		108
50	9.66	433.09	1.87	1.93	27.81	10.84	KPT	TWISTER	18	GREY	47	KPRX10		108
51	8.29	441.38	1.83	1.93	27.92	10.84	KPT	TWISTER	18	GREY	48	KPRX10		102
52	8.88	450.26	1.93	1.93	28.08	10.84	KPT	TWISTER	18	GREY	49	KPRX10		96
53	8.88	459.14	1.90	1.93	28.26	10.84	KPT	TWISTER	18	GREY	50	KPRX10		90
54	8.29	467.43	2.36	2.37	28.39	10.80	KPT	TWISTER	20	TURQUOISE	51	KPRX10		84
TOWER 3	157.00	473.60												
55	12.66	480.09	2.42	2.37	28.35	10.80	KPT	TWISTER	20	TURQUOISE	52	KPRX10		84
56	8.29	488.38	2.02	1.93	28.13	10.84	KPT	TWISTER	18	GREY	53	KPRX10		90
57	8.88	497.26	2.13	2.14	27.90	10.82	KPT	TWISTER	19	GREY	54	KPRX10		96
58	8.88	506.14	2.09	2.14	27.71	10.82	KPT	TWISTER	19	GREY	55	KPRX10		102
59	8.29	514.43	2.07	2.14	27.55	10.82	KPT	TWISTER	19	GREY	56	KPRX10		108
60	8.41	522.84	1.99	1.93	27.42	10.84	KPT	TWISTER	18	GREY	57	KPRX10		108
61	7.42	530.26	1.90	1.93	27.33	10.84	KPT	TWISTER	18	GREY	58	KPRX10		114
62	7.42	537.68	2.05	2.14	27.26	10.82	KPT	TWISTER	19	GREY	59	KPRX10		114
63	8.41	546.09	2.20	2.14	27.21	10.82	KPT	TWISTER	19	GREY	60	KPRX10		114
64	8.29	554.38	2.29	2.37	27.18	10.80	KPT	TWISTER	20	TURQUOISE	61	KPRX10		114
65	8.88	563.26	2.41	2.37	27.19	10.80	KPT	TWISTER	20	TURQUOISE	62	KPRX10		114
66	8.88	572.14	2.37	2.37	27.22	10.80	KPT	TWISTER	20	TURQUOISE	63	KPRX10		114
67	8.29	580.43	2.51	2.62	27.28	10.79	KPT	TWISTER	21	TURQUOISE	64	KPRX10		108
68	9.66	590.09	2.55	2.62	27.39	10.79	KPT	TWISTER	21	TURQUOISE	65	KPRX10		108
69	8.29	598.38	2.47	2.37	27.50	10.80	KPT	TWISTER	20	TURQUOISE	66	KPRX10		102
70	8.88	607.26	2.60	2.62	27.66	10.79	KPT	TWISTER	21	TURQUOISE	67	KPRX10		96
71	8.88	616.14	2.55	2.62	27.85	10.79	KPT	TWISTER	21	TURQUOISE	68	KPRX10		90
72	8.29	624.43	3.15	3.12	27.99	10.75	KPT	TWISTER	23	YELLOW	69	KPRX10		84
TOWER 4	157.00	630.60												
73	12.66	637.09	3.21	3.12	27.96	10.75	KPT	TWISTER	23	YELLOW	70	KPRX10		84
74	8.29	645.38	2.67	2.62	27.74	10.79	KPT	TWISTER	21	TURQUOISE	71	KPRX10		90
75	8.88	654.26	2.80	2.86	27.52	10.77	KPT	TWISTER	22	YELLOW	72	KPRX10		96
76	8.88	663.14	2.74	2.86	27.33	10.77	KPT	TWISTER	22	YELLOW	73	KPRX10		102
77	8.29	671.43	2.70	2.62	27.18	10.79	KPT	TWISTER	21	TURQUOISE	74	KPRX10		108
78	8.41	679.84	2.59	2.62	27.05	10.79	KPT	TWISTER	21	TURQUOISE	75	KPRX10		108
79	7.42	687.26	2.46	2.37	26.97	10.80	KPT	TWISTER	20	TURQUOISE	76	KPRX10		114
80	7.42	694.68	2.65	2.62	26.90	10.79	KPT	TWISTER	21	TURQUOISE	77	KPRX10		114
81	8.41	703.09	2.83	2.86	26.85	10.77	KPT	TWISTER	22	YELLOW	78	KPRX10		114
82	8.29	711.38	2.94	2.86	26.83	10.77	KPT	TWISTER	22	YELLOW	79	KPRX10		114
83	8.88	720.26	3.08	3.12	26.84	10.75	KPT	TWISTER	23	YELLOW	80	KPRX10		114
84	8.88	729.14	3.01	3.12	26.88	10.75	KPT	TWISTER	23	YELLOW	81	KPRX10		114
85	8.29	737.43	3.19	3.12	26.95	10.75	KPT	TWISTER	23	YELLOW	82	KPRX10		108
86	9.66	747.09	3.23	3.12	27.06	10.75	KPT	TWISTER	23	YELLOW	83	KPRX10		108
87	8.29	755.38	3.13	3.12	27.19	10.75	KPT	TWISTER	23	YELLOW	84	KPRX10		102
88	8.88	764.26	3.27	3.40	27.35	10.73	KPT	TWISTER	24	RED	85	KPRX10		96
89	8.88	773.14	3.20	3.12	27.54	10.75	KPT	TWISTER	23	YELLOW	86	KPRX10		90
90	8.29	781.43	3.95	3.97	27.69	10.69	KPT	TWISTER	26	WHITE	87	KPRX10		84
TOWER 5	157.00	787.60												
91	12.66	794.09	4.00	3.97	27.67	10.69	KPT	TWISTER	26	WHITE	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	3.32	3.40	27.45	10.73	KPT	TWISTER	24 RED	89	KPRX10		90
93	8.88	811.26	3.47	3.40	27.24	10.73	KPT	TWISTER	24 RED	90	KPRX10		96
94	8.88	820.14	3.39	3.40	27.05	10.73	KPT	TWISTER	24 RED	91	KPRX10		102
95	8.29	828.43	3.33	3.40	26.91	10.73	KPT	TWISTER	24 RED	92	KPRX10		108
96	8.41	836.84	3.19	3.12	26.79	10.75	KPT	TWISTER	23 YELLOW	93	KPRX10		108
97	7.42	844.26	3.02	3.12	26.71	10.75	KPT	TWISTER	23 YELLOW	94	KPRX10		114
98	7.42	851.68	3.25	3.12	26.65	10.75	KPT	TWISTER	23 YELLOW	95	KPRX10		114
99	8.41	860.09	3.46	3.40	26.61	10.73	KPT	TWISTER	24 RED	96	KPRX10		114
100	8.29	868.38	3.59	3.67	26.59	10.71	KPT	TWISTER	25 RED	97	KPRX10		114
101	8.88	877.26	3.75	3.67	26.61	10.71	KPT	TWISTER	25 RED	98	KPRX10		114
102	8.88	886.14	3.67	3.67	26.65	10.71	KPT	TWISTER	25 RED	99	KPRX10		114
103	8.29	894.43	3.87	3.97	26.73	10.69	KPT	TWISTER	26 WHITE	100	KPRX10		108
104	9.66	904.09	3.91	3.97	26.84	10.69	KPT	TWISTER	26 WHITE	101	KPRX10		108
105	8.29	912.38	3.77	3.67	26.97	10.71	KPT	TWISTER	25 RED	102	KPRX10		102
106	8.88	921.26	3.94	3.97	27.14	10.69	KPT	TWISTER	26 WHITE	103	KPRX10		96
107	8.88	930.14	3.85	3.97	27.34	10.69	KPT	TWISTER	26 WHITE	104	KPRX10		90
108	8.29	938.43	4.74	4.59	27.49	10.65	KPT	TWISTER	28 BLUE	105	KPRX10		84
TOWER 6	157.00	944.60											
109	12.66	951.09	4.79	4.92	27.48	10.63	KPT	TWISTER	29 BLUE	106	KPRX10		84
110	8.29	959.38	3.97	3.97	27.27	10.69	KPT	TWISTER	26 WHITE	107	KPRX10		90
111	8.88	968.26	4.14	4.28	27.06	10.67	KPT	TWISTER	27 WHITE	108	KPRX10		96
112	8.88	977.14	4.03	3.97	26.88	10.69	KPT	TWISTER	26 WHITE	109	KPRX10		102
113	8.29	985.43	3.96	3.97	26.74	10.69	KPT	TWISTER	26 WHITE	110	KPRX10		108
114	8.41	993.84	3.78	3.67	26.63	10.71	KPT	TWISTER	25 RED	111	KPRX10		108
115	7.42	1001.26	3.58	3.67	26.55	10.71	KPT	TWISTER	25 RED	112	KPRX10		114
116	7.42	1008.68	3.84	3.97	26.50	10.69	KPT	TWISTER	26 WHITE	113	KPRX10		114
117	8.41	1017.09	4.08	3.97	26.46	10.69	KPT	TWISTER	26 WHITE	114	KPRX10		114
118	8.29	1025.38	4.24	4.28	26.46	10.67	KPT	TWISTER	27 WHITE	115	KPRX10		114
119	8.88	1034.26	4.42	4.28	26.48	10.67	KPT	TWISTER	27 WHITE	116	KPRX10		114
120	8.88	1043.14	4.31	4.28	26.53	10.67	KPT	TWISTER	27 WHITE	117	KPRX10		114
121	8.29	1051.43	4.55	4.59	26.60	10.65	KPT	TWISTER	28 BLUE	118	KPRX10		108
122	9.66	1061.09	4.58	4.59	26.73	10.65	KPT	TWISTER	28 BLUE	119	KPRX10		108
123	8.29	1069.38	4.42	4.28	26.86	10.67	KPT	TWISTER	27 WHITE	120	KPRX10		102
124	8.88	1078.26	4.62	4.59	27.04	10.65	KPT	TWISTER	28 BLUE	121	KPRX10		96
125	8.88	1087.14	4.50	4.59	27.24	10.65	KPT	TWISTER	28 BLUE	122	KPRX10		90
126	8.29	1095.43	5.53	5.61	27.40	10.58	KPT	TWISTER	31 DK BROWN	123	KPRX10		84
TOWER 7	157.00	1101.60											
127	12.66	1108.09	5.58	5.61	27.39	10.58	KPT	TWISTER	31 DK BROWN	124	KPRX10		84
128	8.29	1116.38	4.61	4.59	27.19	10.65	KPT	TWISTER	28 BLUE	125	KPRX10		90
129	8.88	1125.26	4.81	4.92	26.98	10.63	KPT	TWISTER	29 BLUE	126	KPRX10		96
130	8.88	1134.14	4.68	4.59	26.81	10.65	KPT	TWISTER	28 BLUE	127	KPRX10		102
131	8.29	1142.43	4.59	4.59	26.67	10.65	KPT	TWISTER	28 BLUE	128	KPRX10		108
132	8.41	1150.84	4.38	4.28	26.57	10.67	KPT	TWISTER	27 WHITE	129	KPRX10		108
133	7.42	1158.26	4.14	4.28	26.49	10.67	KPT	TWISTER	27 WHITE	130	KPRX10		114
134	7.42	1165.68	4.44	4.59	26.44	10.65	KPT	TWISTER	28 BLUE	131	KPRX10		114
135	8.41	1174.09	4.71	4.59	26.41	10.65	KPT	TWISTER	28 BLUE	132	KPRX10		114
136	8.29	1182.38	4.88	4.92	26.41	10.63	KPT	TWISTER	29 BLUE	133	KPRX10		114
137	8.88	1191.26	5.09	5.25	26.43	10.60	KPT	TWISTER	30 DK BROWN	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	4.94	4.92	26.49	10.63	KPT TWISTER	29	BLUE		135	KPRX10		114
139	8.29	1208.43	5.20	5.25	26.57	10.60	KPT TWISTER	30	DK BROWN		136	KPRX10		108
140	9.66	1218.09	5.23	5.25	26.69	10.60	KPT TWISTER	30	DK BROWN		137	KPRX10		108
141	8.29	1226.38	5.04	4.92	26.83	10.63	KPT TWISTER	29	BLUE		138	KPRX10		102
142	8.88	1235.26	5.27	5.25	27.01	10.60	KPT TWISTER	30	DK BROWN		139	KPRX10		96
143	8.88	1244.14	5.13	5.25	27.22	10.60	KPT TWISTER	30	DK BROWN		140	KPRX10		90
144	8.29	1252.43	5.66	5.61	27.37	10.58	KPT TWISTER	31	DK BROWN		141	KPRX10		84
TOWER 8	157.00	1258.60	PIPE ID CHANGES FROM 6.395 TO 5.369											
145	10.62	1263.05	5.46	5.61	27.37	10.58	KPT TWISTER	31	DK BROWN		142	KPRX10		84
146	7.42	1270.47	4.46	4.59	27.37	10.65	KPT TWISTER	28	BLUE		143	KPRX10		84
147	7.42	1277.89	3.24	3.12	27.37	10.75	KPT TWISTER	23	YELLOW		144	KPRX10		84
148	3.58	1281.47	3.11	3.12	27.37	10.75	KPT TWISTER	23	YELLOW		145	KPRX10		84
OVERHANG	22.87	1281.47												

TOTAL GPM = 400.88

GPA = 3.38

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 15.00 PSI

WITH GRADUATED ELEVATION OF 15.00 FT THE INLET PRESSURE IS 23.53 PSI FOR SPRINKLER 142

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	6.20	9.24	49%	5.03	0.011	0.40	0.53	0.67
2	5.39	18.21	17.59	-3%	3.26	0.007	0.26	0.35	0.43
3	8.95	30.22	30.51	1%	3.41	0.008	0.27	0.36	0.45
4	12.50	42.23	41.92	-1%	3.35	0.007	0.27	0.36	0.44
5	16.06	54.24	53.50	-1%	3.33	0.007	0.27	0.35	0.44
6	19.61	66.24	65.57	-1%	3.34	0.007	0.27	0.35	0.44
7	23.17	78.25	77.38	-1%	3.34	0.007	0.27	0.35	0.44
8	26.72	90.26	89.17	-1%	3.34	0.007	0.27	0.35	0.44
OVERHANG	4.19	14.15	15.99	13%	3.82	0.008	0.30	0.40	0.51
TOTAL	118.43	400.00	400.88		3.38				

SUMMARY OF SPRINKLERS

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

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

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

APRIL 29,. 2024
WISH-113755
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
400 GPM @ 30 PSI

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	102	55	19	PRX10	7	114	112	25	PRX10
2	PLUG				5	108	56	19	PRX10	8	114	113	26	PRX10
3	PLUG				6	108	57	18	PRX10	9	114	114	26	PRX10
4	102	1	10	PRX10	7	114	58	18	PRX10	10	114	115	27	PRX10
5	108	2	10	PRX10	8	114	59	19	PRX10	11	114	116	27	PRX10
6	108	3	10	PRX10	9	114	60	19	PRX10	12	114	117	27	PRX10
7	114	4	10	PRX10	10	114	61	20	PRX10	13	108	118	28	PRX10
8	114	5	10	PRX10	11	114	62	20	PRX10	14	108	119	28	PRX10
9	114	6	10	PRX10	12	114	63	20	PRX10	15	102	120	27	PRX10
10	114	7	10	PRX10	13	108	64	21	PRX10	16	96	121	28	PRX10
11	114	8	10	PRX10	14	108	65	21	PRX10	17	90	122	28	PRX10
12	114	9	10	PRX10	15	102	66	20	PRX10	18	84	123	31	PRX10
13	108	10	10	PRX10	16	96	67	21	PRX10	TOWER 7				
14	108	11	10	PRX10	17	90	68	21	PRX10	1	84	124	31	PRX10
15	102	12	10	PRX10	18	84	69	23	PRX10	2	90	125	28	PRX10
16	96	13	10	PRX10	TOWER 4					3	96	126	29	PRX10
17	90	14	10	PRX10	1	84	70	23	PRX10	4	102	127	28	PRX10
18	84	15	11	PRX10	2	90	71	21	PRX10	5	108	128	28	PRX10
TOWER 1					3	96	72	22	PRX10	6	108	129	27	PRX10
1	84	16	12	PRX10	4	102	73	22	PRX10	7	114	130	27	PRX10
2	90	17	11	PRX10	5	108	74	21	PRX10	8	114	131	28	PRX10
3	96	18	11	PRX10	6	108	75	21	PRX10	9	114	132	28	PRX10
4	102	19	11	PRX10	7	114	76	20	PRX10	10	114	133	29	PRX10
5	108	20	12	PRX10	8	114	77	21	PRX10	11	114	134	30	PRX10
6	108	21	11	PRX10	9	114	78	22	PRX10	12	114	135	29	PRX10
7	114	22	11	PRX10	10	114	79	22	PRX10	13	108	136	30	PRX10
8	114	23	12	PRX10	11	114	80	23	PRX10	14	108	137	30	PRX10
9	114	24	12	PRX10	12	114	81	23	PRX10	15	102	138	29	PRX10
10	114	25	13	PRX10	13	108	82	23	PRX10	16	96	139	30	PRX10
11	114	26	13	PRX10	14	108	83	23	PRX10	17	90	140	30	PRX10
12	114	27	13	PRX10	15	102	84	23	PRX10	18	84	141	31	PRX10
13	108	28	14	PRX10	16	96	85	24	PRX10	TOWER 8				
14	108	29	14	PRX10	17	90	86	23	PRX10	1	84	142	31	PRX10
15	102	30	14	PRX10	18	84	87	26	PRX10	2	84	143	28	PRX10
16	96	31	14	PRX10	TOWER 5					3	84	144	23	PRX10
17	90	32	14	PRX10	1	84	88	26	PRX10	4	84	145	23	PRX10
18	84	33	16	PRX10	2	90	89	24	PRX10					
TOWER 2					3	96	90	24	PRX10					
1	84	34	17	PRX10	4	102	91	24	PRX10					
2	90	35	15	PRX10	5	108	92	24	PRX10					
3	96	36	16	PRX10	6	108	93	23	PRX10					
4	102	37	16	PRX10	7	114	94	23	PRX10					
5	108	38	16	PRX10	8	114	95	23	PRX10					
6	108	39	15	PRX10	9	114	96	24	PRX10					
7	114	40	15	PRX10	10	114	97	25	PRX10					
8	114	41	16	PRX10	11	114	98	25	PRX10					
9	114	42	16	PRX10	12	114	99	25	PRX10					
10	114	43	17	PRX10	13	108	100	26	PRX10					
11	114	44	17	PRX10	14	108	101	26	PRX10					
12	114	45	17	PRX10	15	102	102	25	PRX10					
13	108	46	18	PRX10	16	96	103	26	PRX10					
14	108	47	18	PRX10	17	90	104	26	PRX10					
15	102	48	18	PRX10	18	84	105	28	PRX10					
16	96	49	18	PRX10	TOWER 6									
17	90	50	18	PRX10	1	84	106	29	PRX10					
18	84	51	20	PRX10	2	90	107	26	PRX10					
TOWER 3					3	96	108	27	PRX10					
1	84	52	20	PRX10	4	102	109	26	PRX10					
2	90	53	18	PRX10	5	108	110	26	PRX10					
3	96	54	19	PRX10	6	108	111	25	PRX10					

PRECIPITATION CHART FOR FULL CIRCLE

WISH-113755

APRIL 29,. 2024

DEALER - HI PLAINS FARM EQUIPMENT

IRRIGATOR - SKYBOUND

FIELD - 701

TOTAL LENGTH PIPE = 1281.47 SYSTEM PRESSURE = 30 PSI
 GPM UNDER PIPE = 400.88 TOTAL GPM = 400.88
 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
.11	100.00	14.48 - 869(min)	100.00	.11	14.48 - 869(min)
.20	54.16	26.74	90.00	.12	16.09
.25	43.33	33.43	80.00	.14	18.10
.30	36.11	40.11	70.00	.15	20.69
.40	27.08	53.48	60.00	.18	24.14
.50	21.66	66.85	50.00	.22	28.97
.60	18.05	80.22	45.00	.24	32.19
.70	15.47	93.60	40.00	.27	36.21
.75	14.44	100.28	35.00	.31	41.38
.80	13.54	106.97	30.00	.36	48.28
.90	12.04	120.34	25.00	.43	57.93
1.00	10.83	133.71	20.00	.54	72.42
1.25	8.67	167.13	15.00	.72	96.56
1.50	7.22	200.56	10.00	1.08	144.84
1.75	6.19	233.99	5.00	2.17	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