

AG SYSTEMS INC.

SEPTEMBER 18, 2025

WISH-119603

CUSTOMER : JUSTIN GATZ

VALLEY 8000 - 108
9 TOWER - 1294.94 FT
SYSTEM 900 GPM @ 31 PSI

LEGAL : WEST BRYANT

KOMET PRECISION TWISTER
KOMET 10 PSI REGULATORS
DUAL SENNINGER END SPRAY X 32 & NELSON PC R3030 X 45
ELEVATION 10 FT UP, 10 FT DOWN

810 EAST 14TH STREET

LARNED, KANSAS 67550

(620)285-2111

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 8000 - 108

SEPTEMBER 18, 2025

WISH-119603

DEALER

AG SYSTEMS INC.
810 EAST 14TH STREET
LARNED, KANSAS 67550

IRRIGATOR

JUSTIN GATZ
WEST BRYANT

TOTAL TARGET GPM	900.00	FRICTION FACTOR USED	140	SPANS	LENGTH	PIPE I.D.
TOP OF PIVOT PRESSURE	31.00	TOTAL LENGTH	1294.94	1	136.00	6.415
ENDGUN TARGET GPM	45.11	NUMBER OF TOWERS	9	6	135.26	6.415
NUMBER OF OUTLETS	144	NUMBER OF SPRINKLERS	136	1	160.11	6.415
				1	159.85	6.415
				OH	27.42	6.415
KOMET PRECISION TWISTER - BLUE LOW ANGLE PLATES						
KOMET KPR-X 10 PSI PRESSURE REGULATORS						
POLYDROPS® AVERAGE 6.5 FT						
ELEVATION IS 10 FT UP AND 10 FT DOWN						

CAUTIONS AND WARNINGS

1. Inadequate crop clearance and/or structural interference may cause poor water distribution, resulting in decreased uniformity and possible streaking.
2. Over watering at beginning of system due to practical limitations on smallest nozzle sizes available and/or allowable for proper operation.
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.	DROP LENGTH
91	9.30	816.97	7.61	7.69	20.23	10.43	KPT TWISTER 37 PURPLE	83	KPRX10	66	
92	9.00	825.97	7.57	7.69	20.02	10.43	KPT TWISTER 37 PURPLE	84	KPRX10	72	
93	9.00	834.97	7.65	7.69	19.80	10.43	KPT TWISTER 37 PURPLE	85	KPRX10	72	
94	9.00	843.97	7.73	7.69	19.62	10.43	KPT TWISTER 37 PURPLE	86	KPRX10	78	
95	9.00	852.97	7.82	7.69	19.46	10.43	KPT TWISTER 37 PURPLE	87	KPRX10	78	
96	9.02	861.99	7.90	8.11	19.34	10.40	KPT TWISTER 38 BLACK	88	KPRX10	84	
97	9.00	870.99	7.98	8.11	19.25	10.40	KPT TWISTER 38 BLACK	89	KPRX10	84	
98	9.00	879.99	8.06	8.11	19.18	10.40	KPT TWISTER 38 BLACK	90	KPRX10	84	
99	9.00	888.99	8.14	8.11	19.15	10.40	KPT TWISTER 38 BLACK	91	KPRX10	84	
100	9.00	897.99	8.19	8.11	19.14	10.40	KPT TWISTER 38 BLACK	92	KPRX10	84	
101	8.94	906.93	8.28	8.11	19.17	10.40	KPT TWISTER 38 BLACK	93	KPRX10	78	
102	9.00	915.93	8.39	8.52	19.22	10.37	KPT TWISTER 39 BLACK	94	KPRX10	78	
103	9.00	924.93	8.47	8.52	19.31	10.37	KPT TWISTER 39 BLACK	95	KPRX10	72	
104	9.00	933.93	8.55	8.52	19.42	10.37	KPT TWISTER 39 BLACK	96	KPRX10	72	
105	9.00	942.93	8.78	8.96	19.51	10.34	KPT TWISTER 40 DK TURQ	97	KPRX10	66	
TOWER 7	135.26	947.56									
106	9.30	952.23	8.86	8.96	19.47	10.34	KPT TWISTER 40 DK TURQ	98	KPRX10	66	
107	9.00	961.23	8.79	8.96	19.29	10.34	KPT TWISTER 40 DK TURQ	99	KPRX10	72	
108	9.00	970.23	8.87	8.96	19.08	10.34	KPT TWISTER 40 DK TURQ	100	KPRX10	78	
109	9.00	979.23	8.95	8.96	18.90	10.34	KPT TWISTER 40 DK TURQ	101	KPRX10	78	
110	9.00	988.23	8.79	8.96	18.74	10.34	KPT TWISTER 40 DK TURQ	102	KPRX10	84	
111	8.52	996.75	8.57	8.52	18.62	10.37	KPT TWISTER 39 BLACK	103	KPRX10	84	
112	8.42	1005.17	8.59	8.52	18.52	10.37	KPT TWISTER 39 BLACK	104	KPRX10	90	
113	8.42	1013.59	8.72	8.52	18.45	10.37	KPT TWISTER 39 BLACK	105	KPRX10	90	
114	8.52	1022.11	9.10	8.96	18.40	10.34	KPT TWISTER 40 DK TURQ	106	KPRX10	90	
115	9.00	1031.11	9.43	9.40	18.37	10.31	KPT TWISTER 41 DK TURQ	107	KPRX10	90	
116	9.00	1040.11	9.52	9.40	18.37	10.31	KPT TWISTER 41 DK TURQ	108	KPRX10	90	
117	9.00	1049.11	9.60	9.40	18.39	10.31	KPT TWISTER 41 DK TURQ	109	KPRX10	90	
118	9.00	1058.11	9.66	9.85	18.44	10.28	KPT TWISTER 42 MUSTARD	110	KPRX10	84	
119	8.94	1067.05	9.74	9.86	18.52	10.28	KPT TWISTER 42 MUSTARD	111	KPRX10	84	
120	9.00	1076.05	9.85	9.86	18.62	10.28	KPT TWISTER 42 MUSTARD	112	KPRX10	78	
121	9.00	1085.05	9.93	9.86	18.75	10.28	KPT TWISTER 42 MUSTARD	113	KPRX10	78	
122	9.00	1094.05	10.01	9.86	18.91	10.28	KPT TWISTER 42 MUSTARD	114	KPRX10	72	
123	9.00	1103.05	10.27	10.32	19.00	10.25	KPT TWISTER 43 MUSTARD	115	KPRX10	66	
TOWER 8	160.11	1107.67									
124	9.29	1112.34	10.35	10.32	18.98	10.25	KPT TWISTER 43 MUSTARD	116	KPRX10	66	
125	9.00	1121.34	10.27	10.32	18.83	10.25	KPT TWISTER 43 MUSTARD	117	KPRX10	72	
126	9.00	1130.34	10.35	10.32	18.64	10.25	KPT TWISTER 43 MUSTARD	118	KPRX10	78	
127	9.00	1139.34	10.43	10.32	18.48	10.25	KPT TWISTER 43 MUSTARD	119	KPRX10	78	
128	9.00	1148.34	10.24	10.32	18.35	10.25	KPT TWISTER 43 MUSTARD	120	KPRX10	84	
129	8.52	1156.86	9.97	9.86	18.24	10.28	KPT TWISTER 42 MUSTARD	121	KPRX10	84	
130	8.42	1165.28	9.99	9.86	18.17	10.28	KPT TWISTER 42 MUSTARD	122	KPRX10	90	
131	8.42	1173.70	10.13	10.32	18.11	10.25	KPT TWISTER 43 MUSTARD	123	KPRX10	90	
132	8.52	1182.22	10.55	10.32	18.08	10.25	KPT TWISTER 43 MUSTARD	124	KPRX10	90	
133	9.00	1191.22	10.93	10.78	18.07	10.22	KPT TWISTER 44 MAROON	125	KPRX10	90	
134	9.00	1200.22	11.03	11.26	18.09	10.18	KPT TWISTER 45 MAROON	126	KPRX10	90	
135	9.00	1209.22	11.09	11.26	18.14	10.18	KPT TWISTER 45 MAROON	127	KPRX10	90	
136	9.00	1218.22	11.12	11.26	18.21	10.18	KPT TWISTER 45 MAROON	128	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
137	8.94	1227.16	11.18	11.26	18.30	10.18	KPT TWISTER 45 MAROON	129	KPRX10	84	
138	9.00	1236.16	11.29	11.26	18.42	10.18	KPT TWISTER 45 MAROON	130	KPRX10	78	
139	9.00	1245.16	11.38	11.26	18.57	10.18	KPT TWISTER 45 MAROON	131	KPRX10	78	
140	9.00	1254.16	11.48	11.26	18.75	10.18	KPT TWISTER 45 MAROON	132	KPRX10	72	
141	9.00	1263.16	11.57	11.75	18.85	10.15	KPT TWISTER 46 CREAM	133	KPRX10	66	
TOWER 9	159.85	1267.52									
142	8.93	1272.09	11.69	11.75	18.84	10.15	KPT TWISTER 46 CREAM	134	KPRX10	66	
143	9.14	1281.23	11.88	11.75	18.84	10.15	KPT TWISTER 46 CREAM	135	KPRX10	66	
144	9.14	1290.37	12.03	12.25	18.84	10.11	KPT TWISTER 47 CREAM	136	KPRX10	66	
OVERHANG	27.42	1294.94		44.97	ENDGUN	(2) SENNINGER END SPRAY X 32 & NELSON PC R3030 X 45					
						ENDGUNS OPERATE SIMULTANEOUSLY					

THERE IS NO BOOSTER PUMP

TOTAL GPM = 900.01

GPA = 7.07

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 15.00 PSI
 WITH GRADUATED ELEVATION OF 10.00 FT THE INLET PRESSURE IS 15.74 PSI FOR SPRINKLER 136
 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	1.33	9.43	9.18	-3%	6.88	0.015	0.55	0.73	0.91
2	3.97	28.08	28.05	0%	7.06	0.016	0.56	0.75	0.94
3	6.61	46.74	46.76	0%	7.07	0.016	0.56	0.75	0.94
4	9.25	65.39	65.81	1%	7.11	0.016	0.57	0.75	0.94
5	11.89	84.05	84.44	0%	7.10	0.016	0.56	0.75	0.94
6	14.53	102.70	103.00	0%	7.09	0.016	0.56	0.75	0.94
7	17.17	121.36	121.64	0%	7.09	0.016	0.56	0.75	0.94
8	23.73	167.76	167.13	0%	7.04	0.016	0.56	0.75	0.93
9	27.38	193.56	193.17	0%	7.05	0.016	0.56	0.75	0.94
OVERHANG	5.07	35.82	35.88	0%	7.08	0.016	0.56	0.75	0.94
ENDGUN	5.48	45.11	44.97	16%	8.21				
TOTAL	126.41	900.00	900.01		7.12				

SUMMARY OF SPRINKLERS

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

SUMMARY OF DROPS

20 66 IN DROP
30 72 IN DROP
34 78 IN DROP
40 84 IN DROP
12 90 IN DROP

SUMMARY OF REGULATORS

136 Komet PR-X 10 psi

8 PLUGS**TOTAL OF 136 DROPS****TOTAL OF 136 REGULATORS**

NOZZLE POSITION CHART

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

AG SYSTEMS INC.
810 EAST 14TH STREET
LARNED, KANSAS 67550

SEPTEMBER 18, 2025

WISH-119603

JUSTIN GATZ

WEST BRYANT

900 GPM @ 31 PSI

Rotation time at 100% = 14.14 Hours Or 848 minutes

VALLEY 8000 - 108
 KOMET PRECISION TWISTER
 KOMET 10 PSI REGULATORS
 POLYDROPS®
 SENNINGER END SPRAY X 32 & NELSON PC R3030 X 45

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

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119603

SEPTEMBER 18, 2025

DEALER - AG SYSTEMS INC.

IRRIGATOR - JUSTIN GATZ
FIELD - WEST BRYANT

TOTAL LENGTH PIPE = 1294.94 SYSTEM PRESSURE = 31 PSI
 GPM UNDER PIPE = 855.04 TOTAL GPM = 900.01
 ACRES UNDER PIPE = 120.94
 RANGE OF ENDGUN = 29.00 RUN FOR MINIMUM PRESSURE
 GPM OF ENDGUN = 44.97
 ACRES UNDER ENDGUN = 5.48
 WATERING LENGTH = 1323.94

MOTOR SIZE (HP) = .6
 LOADED MOTOR RPM = 1800
 CENTER GEAR BOX RATIO = 53
 WHEEL GEAR BOX RATIO = 52
 TIRE SIZE = 11.2 X 38
 LAST TOWER SPEED (FPM) = 9.39

PRECIPITATION DATA FIGURED WITH ENDGUN RUNNING

PRECIPITATION BASED

% TIMER BASED

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.22	100.00	14.14 - 848(min)	100.00	.22	14.14 - 848(min)
.25	88.33	16.00	90.00	.25	15.71
.30	73.61	19.20	80.00	.28	17.67
.40	55.21	25.61	70.00	.32	20.19
.50	44.17	32.01	60.00	.37	23.56
.60	36.80	38.41	50.00	.44	28.27
.70	31.55	44.81	45.00	.49	31.41
.75	29.44	48.01	40.00	.55	35.34
.80	27.60	51.21	35.00	.63	40.39
.90	24.54	57.61	30.00	.74	47.12
1.00	22.08	64.01	25.00	.88	56.54
1.25	17.67	80.02	20.00	1.10	70.68
1.50	14.72	96.02	15.00	1.47	94.24
1.75	12.62	112.02	10.00	2.21	141.36
2.00	11.04	128.03	5.00	4.42	282.72

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 - AG SYSTEMS INC.

IRRIGATOR - JUSTIN GATZ
FIELD - WEST BRYANT

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

SUMMARY OF DROPS

20 - 66 IN DROP
 30 - 72 IN DROP
 34 - 78 IN DROP
 40 - 84 IN DROP
 12 - 90 IN DROP

TOTAL OF 136 DROPS