SCOTT HOMER SALES

SEPTEMBER 25, 2025	WISH-119619
CUSTOMER : LARRY JOHNSTON	VALLEY 4971 MODIFIED 9 TOWER - 1282.33 FT SYSTEM 300 GPM @ 15 PSI
LEGAL : K3	NELSON A3000 ACCELERATORS NO REGULATORS SENNINGER END SPRAY X 26 ELEVATION 12 FT UP, 10 FT DOWN

115 NUNN DRIVE

HOLCOMB, KANSAS 67851

(620)272-1870

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 4971 MODIFIED | SEPTEMBER 25, 2025 | WISH-119619

DEALER
SCOTT HOMER SALES
115 NUNN DRIVE
HOLCOMB, KANSAS 67851

IRRIGATOR
LARRY JOHNSTON
K3

TOTAL TARGET GPM	300.00	FRICTION FACTOR USED	138
TOP OF PIVOT PRESSURE	15.00	TOTAL LENGTH	1282.33
ENDGUN TARGET GPM	15.95	NUMBER OF TOWERS	9
NUMBER OF OUTLETS	174	NUMBER OF SPRINKLERS	158

NELSON A3000 ACCELERATORS - D6 GOLD PLATES FIRST 14 POSITIONS
NELSON D3000 SPRAY NOZZLES - FLAT BLACK 36 DEEP GROOVE PLATES SPANS 3-7
NELSON D3000 SPRAY NOZZLES - CONCAVE BLUE 36 MEDIUM GROOVE PLATES BALANCE
DROPS AVERAGE 8 FT OF .75 I.D. FLEXIBLE HOSE - EXTERNAL GALVANIZED WEIGHT FIRST 7 SPANS
DROPS AVERAGE 11 FT OF .75 I.D. FLEXIBLE HOSE - EXTERNAL GALVANIZED WEIGHT BALANCE
ELEVATION IS 12 FT UP AND 10 FT DOWN

SPAN #	LENGTH	PIPE I.D.	# OF HEADS
1	148.84	6.407	6
2	147.61	6.407	7
3	147.61	6.407	13
4	147.61	6.407	14
5	147.61	6.407	14
6	147.61	6.407	14
7	126.69	6.407	12
8	126.69	6.407	35
9	126.39	6.407	35
OH	15.67	5.79	8

CAUTIONS AND WARNINGS

1. Over watering at beginning of system due to practical limitations on smallest nozzle sizes available and/or allowable for proper operation.
2. When using spray nozzles with five foot ground clearance or less, nozzle should travel between crop rows and spacing should not exceed 80 inches.

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		6.87	-	-	-	-	-	-	-	1
2		17.04	-	-	-	-	-	-	-	2
3	27.40	27.40	0.25	0.72	14.53	17.77	A3000 10 BEIGE	1		
4		38.14	-	-	-	-	-	-	-	3
5	21.54	48.94	0.36	0.72	14.20	17.65	A3000 10 BEIGE	2		
6		59.68	-	-	-	-	-	-	-	4
7	21.10	70.04	0.51	0.72	14.03	17.70	A3000 10 BEIGE	3		
8		80.21	-	-	-	-	-	-	-	5
9	20.97	91.01	0.66	0.72	14.03	17.70	A3000 10 BEIGE	4		
10		101.75	-	-	-	-	-	-	-	6
11	20.92	111.93	0.81	0.86	14.20	17.64	A3000 11 BEIGE/GOLD	5		
12		122.67	-	-	-	-	-	-	-	7
13	21.11	133.04	0.97	1.04	14.53	17.53	A3000 12 GOLD	6		
14		143.21	-	-	-	-	-	-	-	8
TOWER 1	148.84	148.84								
15	21.43	154.47	1.11	1.04	14.66	17.45	A3000 12 GOLD	7		
16		164.64	-	-	-	-	-	-	-	9
17	20.54	175.01	1.27	1.22	14.20	17.42	A3000 13 GOLD/LIME	8		
18		185.75	-	-	-	-	-	-	-	10
19	21.54	196.55	1.44	1.39	13.87	17.30	A3000 14 LIME	9		
20		207.29	-	-	-	-	-	-	-	11
21	21.10	217.65	1.58	1.62	13.71	17.34	A3000 15 LIME/LAV	10		
22		227.82	-	-	-	-	-	-	-	12
23	20.97	238.62	1.72	1.62	13.71	17.34	A3000 15 LIME/LAV	11		
24		249.36	-	-	-	-	-	-	-	13
25	20.92	259.54	1.88	1.84	13.88	17.28	A3000 16 LAVENDER	12		
26		270.28	-	-	-	-	-	-	-	14
27	21.11	280.65	2.06	2.06	14.21	17.17	A3000 17 LAV/GRAY	13		
28		290.82	-	-	-	-	-	-	-	15
TOWER 2	147.61	296.45								
29	21.43	302.08	2.18	2.28	14.34	17.07	A3000 18 GRAY	14		
30		312.25	-	-	-	-	-	-	-	16
31	20.54	322.62	1.72	1.82	13.89	17.08	D3000 16 LAVENDER	15		
32	10.74	333.36	1.24	1.21	13.71	17.14	D3000 13 GOLD/LIME	16		
33	10.80	344.16	1.28	1.20	13.56	17.00	D3000 13 GOLD/LIME	17		
34	10.74	354.90	1.29	1.21	13.46	17.11	D3000 13 GOLD/LIME	18		
35	10.36	365.26	1.29	1.38	13.41	17.05	D3000 14 LIME	19		
36	10.17	375.43	1.36	1.37	13.39	17.03	D3000 14 LIME	20		
37	10.80	386.23	1.43	1.38	13.42	17.06	D3000 14 LIME	21		
38	10.74	396.97	1.43	1.37	13.48	16.91	D3000 14 LIME	22		
39	10.18	407.15	1.47	1.37	13.59	17.01	D3000 14 LIME	23		
40	10.74	417.89	1.52	1.60	13.74	16.93	D3000 15 LIME/LAV	24		
41	10.37	428.26	1.51	1.60	13.92	16.91	D3000 15 LIME/LAV	25		
42	10.17	438.43	1.62	1.60	14.08	16.85	D3000 15 LIME/LAV	26		
TOWER 3	147.61	444.06								
43	11.26	449.69	1.66	1.60	14.06	16.83	D3000 15 LIME/LAV	27		
44	10.17	459.86	1.63	1.60	13.83	16.82	D3000 15 LIME/LAV	28		
45	10.37	470.23	1.71	1.81	13.62	16.80	D3000 16 LAVENDER	29		

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.
46	10.74	480.97	1.78	1.81	13.43	16.83	D3000 16 LAVENDER	30		
47	10.80	491.77	1.82	1.80	13.29	16.69	D3000 16 LAVENDER	31		
48	10.74	502.51	1.82	1.81	13.20	16.81	D3000 16 LAVENDER	32		
49	10.36	512.87	1.81	1.81	13.14	16.76	D3000 16 LAVENDER	33		
50	10.17	523.04	1.89	1.81	13.13	16.74	D3000 16 LAVENDER	34		
51	10.80	533.84	1.98	2.04	13.16	16.75	D3000 17 LAV/GRAY	35		
52	10.74	544.58	1.96	2.03	13.23	16.61	D3000 17 LAV/GRAY	36		
53	10.18	554.76	2.00	2.04	13.33	16.72	D3000 17 LAV/GRAY	37		
54	10.74	565.50	2.05	2.03	13.49	16.66	D3000 17 LAV/GRAY	38		
55	10.37	575.87	2.04	2.03	13.67	16.63	D3000 17 LAV/GRAY	39		
56	10.17	586.04	2.16	2.25	13.84	16.57	D3000 18 GRAY	40		
TOWER 4	147.61	591.67								
57	11.26	597.30	2.20	2.25	13.82	16.55	D3000 18 GRAY	41		
58	10.17	607.47	2.15	2.25	13.60	16.54	D3000 18 GRAY	42		
59	10.37	617.84	2.24	2.25	13.38	16.54	D3000 18 GRAY	43		
60	10.74	628.58	2.33	2.25	13.20	16.57	D3000 18 GRAY	44		
61	10.80	639.38	2.37	2.24	13.07	16.43	D3000 18 GRAY	45		
62	10.74	650.12	2.36	2.25	12.97	16.55	D3000 18 GRAY	46		
63	10.36	660.48	2.33	2.24	12.92	16.50	D3000 18 GRAY	47		
64	10.17	670.65	2.42	2.53	12.91	16.47	D3000 19 GRAY/TURQ	48		
65	10.80	681.45	2.53	2.53	12.94	16.50	D3000 19 GRAY/TURQ	49		
66	10.74	692.19	2.49	2.52	13.02	16.36	D3000 19 GRAY/TURQ	50		
67	10.18	702.37	2.53	2.53	13.13	16.47	D3000 19 GRAY/TURQ	51		
68	10.74	713.11	2.59	2.52	13.28	16.42	D3000 19 GRAY/TURQ	52		
69	10.37	723.48	2.56	2.52	13.48	16.40	D3000 19 GRAY/TURQ	53		
70	10.17	733.65	2.71	2.81	13.64	16.33	D3000 20 TURQUOISE	54		
TOWER 5	147.61	739.28								
71	11.26	744.91	2.75	2.81	13.63	16.32	D3000 20 TURQUOISE	55		
72	10.17	755.08	2.67	2.80	13.41	16.31	D3000 20 TURQUOISE	56		
73	10.37	765.45	2.78	2.80	13.20	16.31	D3000 20 TURQUOISE	57		
74	10.74	776.19	2.87	2.81	13.02	16.34	D3000 20 TURQUOISE	58		
75	10.80	786.99	2.92	3.02	12.89	16.19	D3000 21 TURQ/YEL	59		
76	10.74	797.73	2.89	2.81	12.80	16.33	D3000 20 TURQUOISE	60		
77	10.36	808.09	2.85	2.80	12.76	16.29	D3000 20 TURQUOISE	61		
78	10.17	818.26	2.95	3.03	12.75	16.26	D3000 21 TURQ/YEL	62		
79	10.80	829.06	3.07	3.03	12.78	16.29	D3000 21 TURQ/YEL	63		
80	10.74	839.80	3.02	3.02	12.86	16.16	D3000 21 TURQ/YEL	64		
81	10.18	849.98	3.06	3.03	12.98	16.27	D3000 21 TURQ/YEL	65		
82	10.74	860.72	3.12	3.03	13.14	16.23	D3000 21 TURQ/YEL	66		
83	10.37	871.09	3.08	3.03	13.33	16.21	D3000 21 TURQ/YEL	67		
84	10.17	881.26	3.25	3.35	13.50	16.14	D3000 22 YELLOW	68		
TOWER 6	147.61	886.89								
85	11.26	892.52	3.29	3.35	13.49	16.14	D3000 22 YELLOW	69		
86	10.17	902.69	3.19	3.35	13.28	16.13	D3000 22 YELLOW	70		
87	10.37	913.06	3.31	3.35	13.10	16.15	D3000 22 YELLOW	71		
88	10.74	923.80	3.42	3.34	12.96	16.02	D3000 22 YELLOW	72		
89	10.80	934.60	3.46	3.35	12.86	16.13	D3000 22 YELLOW	73		
90	10.74	945.34	3.43	3.34	12.81	16.08	D3000 22 YELLOW	74		

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.
91	10.36	955.70	3.38	3.34	12.81	16.08	D3000 22 YELLOW	75		
92	10.17	965.87	3.49	3.62	12.85	16.09	D3000 23 YEL/RED	76		
93	10.80	976.67	3.62	3.61	12.94	15.97	D3000 23 YEL/RED	77		
94	10.74	987.41	3.58	3.63	13.07	16.10	D3000 23 YEL/RED	78		
95	10.37	997.78	3.52	3.62	13.25	16.07	D3000 23 YEL/RED	79		
96	10.17	1007.95	3.54	3.62	13.43	16.04	D3000 23 YEL/RED	80		
TOWER 7	126.69	1013.58								
97	10.26	1018.21	2.40	2.31	13.42	17.42	D3000 18 GRAY	81		
98	3.48	1021.69	1.22	1.22	13.35	17.43	D3000 13 GOLD/LIME	82		
99	3.49	1025.18	1.23	1.22	13.25	17.54	D3000 13 GOLD/LIME	83		
100	3.48	1028.66	1.23	1.22	13.16	17.45	D3000 13 GOLD/LIME	84		
101	3.49	1032.15	1.24	1.22	13.07	17.36	D3000 13 GOLD/LIME	85		
102	3.48	1035.63	1.24	1.21	12.99	17.28	D3000 13 GOLD/LIME	86		
103	3.49	1039.12	1.24	1.22	12.92	17.43	D3000 13 GOLD/LIME	87		
104	3.48	1042.60	1.25	1.22	12.85	17.36	D3000 13 GOLD/LIME	88		
105	3.49	1046.09	1.25	1.21	12.79	17.30	D3000 13 GOLD/LIME	89		
106	3.48	1049.57	1.26	1.21	12.74	17.24	D3000 13 GOLD/LIME	90		
107	3.49	1053.06	1.26	1.22	12.69	17.41	D3000 13 GOLD/LIME	91		
108	3.48	1056.54	1.27	1.22	12.65	17.37	D3000 13 GOLD/LIME	92		
109	3.49	1060.03	1.27	1.21	12.61	17.34	D3000 13 GOLD/LIME	93		
110	3.48	1063.51	1.28	1.21	12.58	17.31	D3000 13 GOLD/LIME	94		
111	3.49	1067.00	1.28	1.21	12.56	17.29	D3000 13 GOLD/LIME	95		
112	3.48	1070.48	1.29	1.21	12.55	17.27	D3000 13 GOLD/LIME	96		
113	3.49	1073.97	1.29	1.21	12.54	17.26	D3000 13 GOLD/LIME	97		
114	3.48	1077.45	1.30	1.38	12.54	17.25	D3000 14 LIME	98		
115	3.49	1080.94	1.30	1.38	12.54	17.25	D3000 14 LIME	99		
116	3.48	1084.42	1.31	1.38	12.55	17.27	D3000 14 LIME	100		
117	3.49	1087.91	1.31	1.38	12.57	17.28	D3000 14 LIME	101		
118	3.48	1091.39	1.31	1.39	12.59	17.31	D3000 14 LIME	102		
119	3.49	1094.88	1.31	1.39	12.62	17.34	D3000 14 LIME	103		
120	3.48	1098.36	1.32	1.39	12.66	17.37	D3000 14 LIME	104		
121	3.49	1101.85	1.32	1.38	12.70	17.20	D3000 14 LIME	105		
122	3.48	1105.33	1.32	1.38	12.75	17.25	D3000 14 LIME	106		
123	3.49	1108.82	1.33	1.39	12.81	17.31	D3000 14 LIME	107		
124	3.48	1112.30	1.33	1.39	12.87	17.37	D3000 14 LIME	108		
125	3.49	1115.79	1.33	1.39	12.94	17.44	D3000 14 LIME	109		
126	3.48	1119.27	1.33	1.39	13.02	17.30	D3000 14 LIME	110		
127	3.49	1122.76	1.34	1.39	13.10	17.38	D3000 14 LIME	111		
128	3.48	1126.24	1.34	1.39	13.19	17.47	D3000 14 LIME	112		
129	3.49	1129.73	1.34	1.39	13.29	17.35	D3000 14 LIME	113		
130	3.48	1133.21	1.35	1.39	13.39	17.46	D3000 14 LIME	114		
131	3.49	1136.70	1.68	1.63	13.39	17.44	D3000 15 LIME/LAV	115		
TOWER 8	126.69	1140.27								
132	5.20	1141.90	1.71	1.63	13.39	17.44	D3000 15 LIME/LAV	116		
133	3.56	1145.46	1.39	1.39	13.39	17.46	D3000 14 LIME	117		
134	3.56	1149.02	1.40	1.39	13.30	17.36	D3000 14 LIME	118		
135	3.57	1152.59	1.40	1.39	13.20	17.48	D3000 14 LIME	119		
136	3.56	1156.15	1.41	1.39	13.10	17.39	D3000 14 LIME	120		

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.
137	3.56	1159.71	1.41	1.39	13.02	17.30	D3000 14 LIME	121		
138	3.57	1163.28	1.42	1.39	12.94	17.43	D3000 14 LIME	122		
139	3.56	1166.84	1.42	1.39	12.86	17.36	D3000 14 LIME	123		
140	3.56	1170.40	1.43	1.39	12.80	17.30	D3000 14 LIME	124		
141	3.57	1173.97	1.44	1.38	12.74	17.24	D3000 14 LIME	125		
142	3.56	1177.53	1.44	1.38	12.69	17.19	D3000 14 LIME	126		
143	3.56	1181.09	1.45	1.39	12.64	17.36	D3000 14 LIME	127		
144	3.57	1184.66	1.45	1.39	12.60	17.32	D3000 14 LIME	128		
145	3.56	1188.22	1.46	1.38	12.57	17.29	D3000 14 LIME	129		
146	3.56	1191.78	1.47	1.38	12.55	17.26	D3000 14 LIME	130		
147	3.57	1195.35	1.48	1.38	12.53	17.24	D3000 14 LIME	131		
148	3.56	1198.91	1.48	1.38	12.52	17.23	D3000 14 LIME	132		
149	3.56	1202.47	1.49	1.38	12.51	17.23	D3000 14 LIME	133		
150	3.57	1206.04	1.50	1.62	12.52	17.21	D3000 15 LIME/LAV	134		
151	3.56	1209.60	1.50	1.38	12.53	17.24	D3000 14 LIME	135		
152	3.56	1213.16	1.51	1.62	12.54	17.24	D3000 15 LIME/LAV	136		
153	3.57	1216.73	1.51	1.62	12.56	17.26	D3000 15 LIME/LAV	137		
154	3.56	1220.29	1.51	1.62	12.59	17.29	D3000 15 LIME/LAV	138		
155	3.56	1223.85	1.51	1.62	12.63	17.33	D3000 15 LIME/LAV	139		
156	3.57	1227.42	1.50	1.61	12.67	17.16	D3000 15 LIME/LAV	140		
157	3.56	1230.98	1.50	1.38	12.72	17.22	D3000 14 LIME	141		
158	3.56	1234.54	1.51	1.62	12.78	17.26	D3000 15 LIME/LAV	142		
159	3.57	1238.11	1.51	1.62	12.84	17.33	D3000 15 LIME/LAV	143		
160	3.56	1241.67	1.50	1.39	12.92	17.41	D3000 14 LIME	144		
161	3.56	1245.23	1.52	1.62	12.99	17.26	D3000 15 LIME/LAV	145		
162	3.57	1248.80	1.51	1.62	13.08	17.34	D3000 15 LIME/LAV	146		
163	3.56	1252.36	1.50	1.39	13.17	17.45	D3000 14 LIME	147		
164	3.56	1255.92	1.52	1.62	13.27	17.32	D3000 15 LIME/LAV	148		
165	3.57	1259.49	1.51	1.63	13.37	17.42	D3000 15 LIME/LAV	149		
166	3.56	1263.05	1.62	1.63	13.38	17.43	D3000 15 LIME/LAV	150		
TOWER 9	126.39	1266.66								
			PIPE ID CHANGES FROM 6.407 TO 5.790							
167	4.14	1267.19	1.27	1.22	13.38	17.45	D3000 13 GOLD/LIME	151		
168	1.89	1269.08	0.80	0.85	13.38	17.47	D3000 11 BEIGE/GOLD	152		
169	1.89	1270.97	0.80	0.85	13.38	17.47	D3000 11 BEIGE/GOLD	153		
170	1.90	1272.87	0.79	0.85	13.38	17.47	D3000 11 BEIGE/GOLD	154		
171	1.89	1274.76	0.78	0.71	13.38	17.48	D3000 10 BEIGE	155		
172	1.89	1276.65	0.80	0.85	13.38	17.47	D3000 11 BEIGE/GOLD	156		
173	1.90	1278.55	1.16	1.22	13.38	17.45	D3000 13 GOLD/LIME	157		
174	1.89	1280.44	1.25	1.22	13.38	17.45	D3000 13 GOLD/LIME	158		
OVERHANG	15.67	1282.33		16.05	ENDGUN		(1) SENNINGER END SPRAY X 26			

THERE IS NO BOOSTER PUMP
TOTAL GPM = 300.60
GPA = 2.40

THIS SYSTEM WILL ALSO DELIVER :

	PSI - 10%	PSI	PSI + 10%
PIVOT PRESSURE	13.50	15.00	16.50
TOTAL GPM	270.54	300.60	315.27
ENDGUN GPM	15.31	16.05	16.84
END PRESSURE	12.16	13.38	14.73
PRESSURE LOSS	1.34	1.62	1.77

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	1.60	3.83	5.01	31%	3.13	0.007	0.25	0.33	0.42
2	4.74	11.35	11.11	-2%	2.34	0.005	0.19	0.25	0.31
3	7.88	18.88	18.83	0%	2.39	0.005	0.19	0.25	0.32
4	11.03	26.41	26.47	0%	2.40	0.005	0.19	0.25	0.32
5	14.17	33.94	33.67	-1%	2.38	0.005	0.19	0.25	0.32
6	17.31	41.46	41.37	0%	2.39	0.005	0.19	0.25	0.32
7	17.36	41.59	41.35	-1%	2.38	0.005	0.19	0.25	0.32
8	19.68	47.14	47.44	1%	2.41	0.005	0.19	0.26	0.32
9	21.94	52.55	51.94	-1%	2.37	0.005	0.19	0.25	0.31
OVERHANG	2.88	6.90	7.35	7%	2.55	0.006	0.20	0.27	0.34
ENDGUN	4.29	15.95	16.05	56%	3.74				
TOTAL	122.89	300.00	300.60		2.45				

SUMMARY OF SPRINKLERS

4	A3000 10 BEIGE
1	A3000 11 BEIGE/GOLD
2	A3000 12 GOLD
1	A3000 13 GOLD/LIME
1	A3000 14 LIME
2	A3000 15 LIME/LAV
1	A3000 16 LAVENDER
1	A3000 17 LAV/GRAY
1	A3000 18 GRAY
22	D3000 13 GOLD/LIME
43	D3000 14 LIME
20	D3000 15 LIME/LAV
7	D3000 16 LAVENDER
5	D3000 17 LAV/GRAY
9	D3000 18 GRAY
6	D3000 19 GRAY/TURQ
7	D3000 20 TURQUOISE
7	D3000 21 TURQ/YEL
8	D3000 22 YELLOW
5	D3000 23 YEL/RED
1	D3000 10 BEIGE
4	D3000 11 BEIGE/GOLD

16 PLUGS

NOZZLE POSITION CHART

A3000 10 BEIGE	1, 2, 3, 4
A3000 11 BEIGE/GOLD	5
A3000 12 GOLD	6, 7
A3000 13 GOLD/LIME	8
A3000 14 LIME	9
A3000 15 LIME/LAV	10, 11
A3000 16 LAVENDER	12
A3000 17 LAV/GRAY	13
A3000 18 GRAY	14
D3000 10 BEIGE	155
D3000 11 BEIGE/GOLD	152,153,154,156
D3000 13 GOLD/LIME	16, 17, 18, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 151,157,158
D3000 14 LIME	19, 20, 21, 22, 23, 98, 99, 100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,117,118,119, 120,121,122,123,124,125,126,127,128,129,130,131,132,133,135,141,144,147
D3000 15 LIME/LAV	24, 25, 26, 27, 28, 115,116,134,136,137,138,139,140,142,143,145,146,148,149,150
D3000 16 LAVENDER	15, 29, 30, 31, 32, 33, 34
D3000 17 LAV/GRAY	35, 36, 37, 38, 39
D3000 18 GRAY	40, 41, 42, 43, 44, 45, 46, 47, 81
D3000 19 GRAY/TURQ	48, 49, 50, 51, 52, 53
D3000 20 TURQUOISE	54, 55, 56, 57, 58, 60, 61
D3000 21 TURQ/YEL	59, 62, 63, 64, 65, 66, 67
D3000 22 YELLOW	68, 69, 70, 71, 72, 73, 74, 75
D3000 23 YEL/RED	76, 77, 78, 79, 80

SCOTT HOMER SALES

115 NUNN DRIVE

HOLCOMB, KANSAS 67851

SEPTEMBER 25, 2025
WISH-119619
LARRY JOHNSTON
K3
300 GPM @ 15 PSI

VALLEY 4971 MODIFIED
NELSON A3000 ACCELERATORS
NELSON 0 PSI REGULATORS
.75 I.D. FLEXIBLE HOSE
SENNINGER END SPRAY X 26

Rotation time at 100% = 20.95 Hours Or 1257 minutes

Installation Chart

Out #	Drop Len	Sprk #	Noz Size	Reg
1	PLUG			
2	PLUG			
3		1	10	
4	PLUG			
5		2	10	
6	PLUG			
7		3	10	
8	PLUG			
9		4	10	
10	PLUG			
11		5	11	
12	PLUG			
13		6	12	
14	PLUG			
	TOWER 1			
1		7	12	
2	PLUG			
3		8	13	
4	PLUG			
5		9	14	
6	PLUG			
7		10	15	
8	PLUG			
9		11	15	
10	PLUG			
11		12	16	
12	PLUG			
13		13	17	
14	PLUG			
	TOWER 2			
1		14	18	
2	PLUG			
3		15	16	
4		16	13	
5		17	13	
6		18	13	
7		19	14	
8		20	14	
9		21	14	
10		22	14	
11		23	14	
12		24	15	
13		25	15	
14		26	15	
	TOWER 3			
1		27	15	
2		28	15	
3		29	16	
4		30	16	
5		31	16	
6		32	16	
7		33	16	
8		34	16	
9		35	17	
10		36	17	
11		37	17	
12		38	17	
13		39	17	
14		40	18	
	TOWER 4			
1		41	18	
2		42	18	
3		43	18	
4		44	18	
5		45	18	
6		46	18	
7		47	18	
8		48	19	
9		49	19	
10		50	19	
11		51	19	
12		52	19	
13		53	19	
14		54	20	
	TOWER 5			
1		55	20	
2		56	20	
3		57	20	
4		58	20	
5		59	21	
6		60	20	
7		61	20	
8		62	21	
9		63	21	
10		64	21	
11		65	21	
12		66	21	
13		67	21	
14		68	22	
	TOWER 6			
1		69	22	
2		70	22	
3		71	22	
4		72	22	
5		73	22	
6		74	22	
7		75	22	
8		76	23	
9		77	23	
10		78	23	
11		79	23	
12		80	23	
	TOWER 7			
1		81	18	
2		82	13	
3		83	13	
4		84	13	
5		85	13	
6		86	13	
7		87	13	
8		88	13	
9		89	13	
10		90	13	
11		91	13	
12		92	13	
13		93	13	
14		94	13	
15		95	13	
16		96	13	
17		97	13	
18		98	14	
19		99	14	
20		100	14	
21		101	14	
22		102	14	
23		103	14	
24		104	14	
25		105	14	
26		106	14	
27		107	14	
28		108	14	
29		109	14	
30		110	14	
31		111	14	
32		112	14	
33		113	14	
34		114	14	
35		115	15	
	TOWER 8			
1		116	15	
2		117	14	
3		118	14	
4		119	14	
5		120	14	
6		121	14	
7		122	14	
8		123	14	
9		124	14	
10		125	14	
11		126	14	
12		127	14	
13		128	14	
14		129	14	
15		130	14	
16		131	14	
17		132	14	
18		133	14	
19		134	15	
20		135	14	
21		136	15	
22		137	15	
23		138	15	
24		139	15	
25		140	15	
26		141	14	
27		142	15	
28		143	15	
29		144	14	
30		145	15	
31		146	15	
32		147	14	
33		148	15	
34		149	15	
35		150	15	
	TOWER 9			
1		151	13	
2		152	11	
3		153	11	
4		154	11	
5		155	10	
6		156	11	
7		157	13	
8		158	13	

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119619 SEPTEMBER 25, 2025

DEALER - SCOTT HOMER SALES

IRRIGATOR - LARRY JOHNSTON
FIELD - K3

TOTAL LENGTH PIPE = 1282.33
GPM UNDER PIPE = 284.54
ACRES UNDER PIPE = 118.59
RANGE OF ENDGUN = 23.00
GPM OF ENDGUN = 16.05
ACRES UNDER ENDGUN = 4.29
WATERING LENGTH = 1305.33

SYSTEM PRESSURE = 15 PSI
TOTAL GPM = 300.60

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 DATA FIGURED WITH ENDGUN RUNNING

PRECIPITATION BASED			% TIMER BASED		
PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.11	100.00	20.95 - 1257(min)	100.00	.11	20.95 - 1257(min)
.20	55.55	37.73	90.00	.12	23.28
.25	44.44	47.16	80.00	.14	26.19
.30	37.03	56.59	70.00	.16	29.94
.40	27.77	75.45	60.00	.19	34.92
.50	22.22	94.31	50.00	.22	41.91
.60	18.52	113.18	45.00	.25	46.57
.70	15.87	132.04	40.00	.28	52.39
.75	14.81	141.47	35.00	.32	59.87
.80	13.89	150.90	30.00	.37	69.85
.90	12.34	169.76	25.00	.44	83.82
1.00	11.11	188.63	20.00	.56	104.77
1.25	8.89	235.78	15.00	.74	139.70
1.50	7.41	282.94	10.00	1.11	209.55
1.75	6.35	330.10	5.00	2.22	419.10

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.