

THE PIPE RANCH LLC

SEPTEMBER 26, 2025

WISH-119621

CUSTOMER : BRADLEY

VALLEY 6000
7 TOWER - 934.06 FT
SYSTEM 500 GPM @ 23 PSI

LEGAL : DEDMON

NELSON R3000 ROTATORS
NELSON 15 PSI REGULATORS
NELSON SR-100 .65 TB
ELEVATION 0 FT UP, 0 FT DOWN

PO BOX 222
SUBLETTE, KANSAS 67877
(620)563-2099

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-119621

DEALER

THE PIPE RANCH LLC
 PO BOX 222
 SUBLETTE, KANSAS 67877

IRRIGATOR

BRADLEY
 DEDMON

				SPAN #	LENGTH	PIPE I.D.	# OF HEADS
TOTAL TARGET GPM	500.00	FRICTION FACTOR USED	140				
TOP OF PIVOT PRESSURE	23.00	TOTAL LENGTH	934.06	1	129.50	9.782	6
ENDGUN TARGET GPM	87.09	NUMBER OF TOWERS	7	2	128.00	9.782	7
NUMBER OF OUTLETS	102	NUMBER OF SPRINKLERS	80	3	128.00	7.782	7
				4	128.00	7.782	14
				5	128.00	7.782	14
				6	128.00	7.782	14
				7	164.56	7.782	18
NELSON R3000 ROTATORS - D8 ORANGE PLATES							
NELSON BLUE TOP 15 PSI INTEGRAL SERIES REGULATORS							
DROPS AVERAGE 10 FT OF .75 I.D. FLEXIBLE HOSE							
ELEVATION IS 0 FT UP AND 0 FT DOWN							

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		6.08	-	-	-	-	-	-	-	1
2		15.22	-	-	-	-	-	-	-	2
3		24.36	-	-	-	-	-	-	-	3
4	33.50	33.50	0.86	1.34	22.52	16.24	R3000 14 LIME	1	NNB15LF	
5		42.65	-	-	-	-	-	-	-	4
6	18.29	51.79	0.90	1.34	22.35	16.24	R3000 14 LIME	2	NNB15LF	
7		60.93	-	-	-	-	-	-	-	5
8	18.28	70.07	1.21	1.34	22.31	16.24	R3000 14 LIME	3	NNB15LF	
9		79.22	-	-	-	-	-	-	-	6
10	18.29	88.36	1.53	1.57	22.40	16.17	R3000 15 LIME/LAV	4	NNB15LF	
11		97.50	-	-	-	-	-	-	-	7
12	18.28	106.64	1.84	1.77	22.62	16.11	R3000 16 LAVENDER	5	NNB15LF	
13		115.79	-	-	-	-	-	-	-	8
14	18.29	124.93	2.16	2.21	22.91	15.99	R3000 18 GRAY	6	NNB15LF	
TOWER 1	129.50	129.50								
15		134.08	-	-	-	-	-	-	-	9
16	18.29	143.22	2.47	2.48	22.73	15.91	R3000 19 GRAY/TURQ	7	NNB15LF	
17		152.36	-	-	-	-	-	-	-	10
18	18.28	161.50	2.79	2.76	22.43	15.82	R3000 20 TURQUOISE	8	NNB15LF	
19		170.65	-	-	-	-	-	-	-	11
20	18.29	179.79	3.10	2.98	22.26	15.76	R3000 21 TURQ/YEL	9	NNB15LF	
21		188.93	-	-	-	-	-	-	-	12
22	18.28	198.07	3.42	3.30	22.22	15.67	R3000 22 YELLOW	10	NNB15LF	
23		207.22	-	-	-	-	-	-	-	13
24	18.29	216.36	3.74	3.57	22.31	15.59	R3000 23 YEL/RED	11	NNB15LF	
25		225.50	-	-	-	-	-	-	-	14
26	18.28	234.64	4.05	3.92	22.53	15.48	R3000 24 RED	12	NNB15LF	
27		243.79	-	-	-	-	-	-	-	15
28	18.29	252.93	4.37	4.23	22.82	15.44	R3000 25 RED/WHITE	13	NNB15LF	
TOWER 2	128.00	257.50								
		PIPE ID CHANGES FROM 9.782 TO 7.782								
29		262.08	-	-	-	-	-	-	-	16
30	18.29	271.22	4.69	4.59	22.62	15.41	R3000 26 WHITE	14	NNB15LF	
31		280.36	-	-	-	-	-	-	-	17
32	18.28	289.50	5.01	4.92	22.30	15.37	R3000 27 WHITE/BLUE	15	NNB15LF	
33		298.65	-	-	-	-	-	-	-	18
34	18.29	307.79	5.33	5.35	22.10	15.33	R3000 28 BLUE	16	NNB15LF	
35		316.93	-	-	-	-	-	-	-	19
36	18.28	326.07	5.64	5.72	22.04	15.30	R3000 29 BLUE/DK BRN	17	NNB15LF	
37		335.22	-	-	-	-	-	-	-	20
38	18.29	344.36	5.96	6.11	22.11	15.26	R3000 30 DK BROWN	18	NNB15LF	
39		353.50	-	-	-	-	-	-	-	21
40	18.28	362.64	6.27	6.11	22.31	15.26	R3000 30 DK BROWN	19	NNB15LF	
41		371.79	-	-	-	-	-	-	-	22
42	18.29	380.93	4.91	4.92	22.59	15.37	R3000 27 WHITE/BLUE	20	NNB15LF	
TOWER 3	128.00	385.50								
43	9.15	390.08	3.37	3.30	22.58	15.66	R3000 22 YELLOW	21	NNB15LF	
44	9.14	399.22	3.45	3.57	22.39	15.58	R3000 23 YEL/RED	22	NNB15LF	

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.
45	9.14	408.36	3.53	3.57	22.22	15.58	R3000 23 YEL/RED	23	NNB15LF	
46	9.14	417.50	3.61	3.57	22.07	15.58	R3000 23 YEL/RED	24	NNB15LF	
47	9.15	426.65	3.69	3.57	21.96	15.58	R3000 23 YEL/RED	25	NNB15LF	
48	9.14	435.79	3.77	3.92	21.89	15.47	R3000 24 RED	26	NNB15LF	
49	9.14	444.93	3.85	3.92	21.84	15.47	R3000 24 RED	27	NNB15LF	
50	9.14	454.07	3.93	3.92	21.83	15.47	R3000 24 RED	28	NNB15LF	
51	9.15	463.22	4.01	3.92	21.85	15.48	R3000 24 RED	29	NNB15LF	
52	9.14	472.36	4.08	4.23	21.91	15.43	R3000 25 RED/WHITE	30	NNB15LF	
53	9.14	481.50	4.16	4.23	22.00	15.43	R3000 25 RED/WHITE	31	NNB15LF	
54	9.14	490.64	4.24	4.23	22.12	15.43	R3000 25 RED/WHITE	32	NNB15LF	
55	9.15	499.79	4.32	4.23	22.27	15.43	R3000 25 RED/WHITE	33	NNB15LF	
56	9.14	508.93	4.40	4.23	22.40	15.43	R3000 25 RED/WHITE	34	NNB15LF	
TOWER 4	128.00	513.50								
57	9.15	518.08	4.48	4.59	22.39	15.40	R3000 26 WHITE	35	NNB15LF	
58	9.14	527.22	4.56	4.59	22.21	15.40	R3000 26 WHITE	36	NNB15LF	
59	9.14	536.36	4.64	4.59	22.04	15.40	R3000 26 WHITE	37	NNB15LF	
60	9.14	545.50	4.72	4.59	21.90	15.39	R3000 26 WHITE	38	NNB15LF	
61	9.15	554.65	4.80	4.92	21.79	15.37	R3000 27 WHITE/BLUE	39	NNB15LF	
62	9.14	563.79	4.87	4.92	21.72	15.36	R3000 27 WHITE/BLUE	40	NNB15LF	
63	9.14	572.93	4.95	4.92	21.68	15.36	R3000 27 WHITE/BLUE	41	NNB15LF	
64	9.14	582.07	5.03	4.92	21.67	15.36	R3000 27 WHITE/BLUE	42	NNB15LF	
65	9.15	591.22	5.12	4.92	21.69	15.36	R3000 27 WHITE/BLUE	43	NNB15LF	
66	9.14	600.36	5.20	5.35	21.75	15.32	R3000 28 BLUE	44	NNB15LF	
67	9.14	609.50	5.27	5.35	21.84	15.32	R3000 28 BLUE	45	NNB15LF	
68	9.14	618.64	5.35	5.35	21.97	15.32	R3000 28 BLUE	46	NNB15LF	
69	9.15	627.79	5.43	5.35	22.13	15.33	R3000 28 BLUE	47	NNB15LF	
70	9.14	636.93	5.51	5.35	22.26	15.32	R3000 28 BLUE	48	NNB15LF	
TOWER 5	128.00	641.50								
71	9.15	646.08	5.60	5.71	22.25	15.29	R3000 29 BLUE/DK BRN	49	NNB15LF	
72	9.14	655.22	5.67	5.71	22.08	15.29	R3000 29 BLUE/DK BRN	50	NNB15LF	
73	9.14	664.36	5.75	5.71	21.91	15.29	R3000 29 BLUE/DK BRN	51	NNB15LF	
74	9.14	673.50	5.83	5.71	21.77	15.29	R3000 29 BLUE/DK BRN	52	NNB15LF	
75	9.15	682.65	5.91	5.71	21.67	15.29	R3000 29 BLUE/DK BRN	53	NNB15LF	
76	9.14	691.79	5.99	6.11	21.60	15.25	R3000 30 DK BROWN	54	NNB15LF	
77	9.14	700.93	6.07	6.11	21.56	15.25	R3000 30 DK BROWN	55	NNB15LF	
78	9.14	710.07	6.15	6.11	21.56	15.25	R3000 30 DK BROWN	56	NNB15LF	
79	9.15	719.22	6.23	6.11	21.59	15.25	R3000 30 DK BROWN	57	NNB15LF	
80	9.14	728.36	6.31	6.46	21.65	15.22	R3000 31 DK BRN/ORN	58	NNB15LF	
81	9.14	737.50	6.39	6.46	21.74	15.22	R3000 31 DK BRN/ORN	59	NNB15LF	
82	9.14	746.64	6.47	6.46	21.87	15.22	R3000 31 DK BRN/ORN	60	NNB15LF	
83	9.15	755.79	6.55	6.46	22.03	15.22	R3000 31 DK BRN/ORN	61	NNB15LF	
84	9.14	764.93	6.63	6.46	22.17	15.22	R3000 31 DK BRN/ORN	62	NNB15LF	
TOWER 6	128.00	769.50								
85	9.15	774.08	6.72	6.93	22.17	15.18	R3000 32 ORANGE	63	NNB15LF	
86	9.14	783.22	6.78	6.93	22.00	15.18	R3000 32 ORANGE	64	NNB15LF	
87	9.14	792.36	6.85	6.93	21.79	15.18	R3000 32 ORANGE	65	NNB15LF	
88	9.14	801.50	6.93	6.93	21.61	15.18	R3000 32 ORANGE	66	NNB15LF	
89	9.14	810.64	7.01	6.93	21.47	15.18	R3000 32 ORANGE	67	NNB15LF	

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.
90	9.15	819.79	7.09	6.93	21.35	15.18	R3000 32 ORANGE	68	NNB15LF	
91	9.14	828.93	7.18	7.38	21.26	15.14	R3000 33 ORN/DK GRN	69	NNB15LF	
92	9.14	838.07	7.24	7.38	21.20	15.13	R3000 33 ORN/DK GRN	70	NNB15LF	
93	9.14	847.21	7.31	7.38	21.17	15.13	R3000 33 ORN/DK GRN	71	NNB15LF	
94	9.14	856.35	7.38	7.38	21.17	15.13	R3000 33 ORN/DK GRN	72	NNB15LF	
95	9.15	865.50	7.46	7.38	21.20	15.13	R3000 33 ORN/DK GRN	73	NNB15LF	
96	9.14	874.64	7.55	7.38	21.26	15.14	R3000 33 ORN/DK GRN	74	NNB15LF	
97	9.14	883.78	7.65	7.83	21.35	15.09	R3000 34 DK GREEN	75	NNB15LF	
98	9.14	892.92	7.70	7.83	21.47	15.09	R3000 34 DK GREEN	76	NNB15LF	
99	9.14	902.06	7.74	7.83	21.62	15.09	R3000 34 DK GREEN	77	NNB15LF	
100	9.15	911.21	7.79	7.83	21.80	15.09	R3000 34 DK GREEN	78	NNB15LF	
101	9.14	920.35	8.05	8.25	22.01	15.06	R3000 35 DK GRN/PUR	79	NNB15LF	
102	9.14	929.49	8.33	8.25	22.13	15.06	R3000 35 DK GRN/PUR	80	NNB15LF	
TOWER 7		164.56								
OVERHANG		.00	934.06				87.24 ENDGUN (1) NELSON SR-100 .65 TB 2HP BOOSTER PUMP			

BOOSTER PUMP AT TOWER ADDS 28.43 PSI TO PIPE PRESSURE FOR A PRESSURE OF 50.44 PSI

TOTAL GPM = 500.87

GPA = 6.56

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 20.00 PSI

WITH GRADUATED ELEVATION OF .00 FT THE INLET PRESSURE IS 24.86 PSI FOR SPRINKLER 80

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	1.21	7.94	9.06	14%	7.49	0.017	0.60	0.79	0.99
2	3.57	23.44	22.75	-3%	6.37	0.014	0.51	0.68	0.84
3	5.94	38.95	38.33	-2%	6.46	0.014	0.51	0.68	0.86
4	8.30	54.46	54.89	1%	6.61	0.015	0.53	0.70	0.88
5	10.66	69.97	69.69	0%	6.54	0.014	0.52	0.69	0.87
6	13.03	85.48	85.32	0%	6.55	0.014	0.52	0.69	0.87
7	20.22	132.67	133.71	1%	6.61	0.015	0.53	0.70	0.88
ENDGUN	12.76	87.09	87.24	4%	6.84				
TOTAL	75.68	500.00	500.99		6.62				

SUMMARY OF SPRINKLERS

3 R3000 14 LIME
1 R3000 15 LIME/LAV
1 R3000 16 LAVENDER
1 R3000 18 GRAY
1 R3000 19 GRAY/TURQ
1 R3000 20 TURQUOISE
1 R3000 21 TURQ/YEL
2 R3000 22 YELLOW
5 R3000 23 YEL/RED
5 R3000 24 RED
6 R3000 25 RED/WHITE
5 R3000 26 WHITE
7 R3000 27 WHITE/BLUE
6 R3000 28 BLUE
6 R3000 29 BLUE/DK BRN
6 R3000 30 DK BROWN
5 R3000 31 DK BRN/ORN
6 R3000 32 ORANGE
6 R3000 33 ORN/DK GRN
4 R3000 34 DK GREEN
2 R3000 35 DK GRN/PUR

22 PLUGS**SUMMARY OF REGULATORS**

80 Nelson Blue Int Uni Flo 15 psi

TOTAL OF 80 REGULATORS

NOZZLE POSITION CHART

R3000 14 LIME	1, 2, 3
R3000 15 LIME/LAV	4
R3000 16 LAVENDER	5
R3000 18 GRAY	6
R3000 19 GRAY/TURQ	7
R3000 20 TURQUOISE	8
R3000 21 TURQ/YEL	9
R3000 22 YELLOW	10, 21
R3000 23 YEL/RED	11, 22, 23, 24, 25
R3000 24 RED	12, 26, 27, 28, 29
R3000 25 RED/WHITE	13, 30, 31, 32, 33, 34
R3000 26 WHITE	14, 35, 36, 37, 38
R3000 27 WHITE/BLUE	15, 20, 39, 40, 41, 42, 43
R3000 28 BLUE	16, 44, 45, 46, 47, 48
R3000 29 BLUE/DK BRN	17, 49, 50, 51, 52, 53
R3000 30 DK BROWN	18, 19, 54, 55, 56, 57
R3000 31 DK BRN/ORN	58, 59, 60, 61, 62
R3000 32 ORANGE	63, 64, 65, 66, 67, 68
R3000 33 ORN/DK GRN	69, 70, 71, 72, 73, 74
R3000 34 DK GREEN	75, 76, 77, 78
R3000 35 DK GRN/PUR	79, 80

THE PIPE RANCH LLC
PO BOX 222
SUBLETTE, KANSAS 67877

SEPTEMBER 26, 2025

WISH-119621

BRADLEY
DEDMON

Rotation time at 100% = 12.74 Hours Or 764 minutes

500 GPM @ 23 PSI

VALLEY 6000

NELSON R3000 ROTATORS

NELSON 15 PSI REGULATORS

.75 I.D. PREMIUM BLUE FLEXIBLE HOSE

NELSON SR-100 .65 TB

Installation Chart

Page 1

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg
1	PLUG					TOWER 4			
2	PLUG				1	35	26	15LF	
3	PLUG				2	36	26	15LF	
4		1	14	15LF	3	37	26	15LF	
5	PLUG				4	38	26	15LF	
6	PLUG				5	39	27	15LF	
7	PLUG				6	40	27	15LF	
8	PLUG				7	41	27	15LF	
9	PLUG				8	42	27	15LF	
10		4	15	15LF	9	43	27	15LF	
11	PLUG				10	44	28	15LF	
12	PLUG				11	45	28	15LF	
13	PLUG				12	46	28	15LF	
14		6	18	15LF	13	47	28	15LF	
	TOWER 1				14	48	28	15LF	
1	PLUG					TOWER 5			
2		7	19	15LF	1	49	29	15LF	
3	PLUG				2	50	29	15LF	
4		8	20	15LF	3	51	29	15LF	
5	PLUG				4	52	29	15LF	
6		9	21	15LF	5	53	29	15LF	
7	PLUG				6	54	30	15LF	
8		10	22	15LF	7	55	30	15LF	
9	PLUG				8	56	30	15LF	
10		11	23	15LF	9	57	30	15LF	
11	PLUG				10	58	31	15LF	
12		12	24	15LF	11	59	31	15LF	
13	PLUG				12	60	31	15LF	
14		13	25	15LF	13	61	31	15LF	
	TOWER 2				14	62	31	15LF	
1	PLUG					TOWER 6			
2		14	26	15LF	1	63	32	15LF	
3	PLUG				2	64	32	15LF	
4		15	27	15LF	3	65	32	15LF	
5	PLUG				4	66	32	15LF	
6		16	28	15LF	5	67	32	15LF	
7	PLUG				6	68	32	15LF	
8		17	29	15LF	7	69	33	15LF	
9	PLUG				8	70	33	15LF	
10		18	30	15LF	9	71	33	15LF	
11	PLUG				10	72	33	15LF	
12		19	30	15LF	11	73	33	15LF	
13	PLUG				12	74	33	15LF	
14		20	27	15LF	13	75	34	15LF	
	TOWER 3				14	76	34	15LF	
1		21	22	15LF	15	77	34	15LF	
2	PLUG				16	78	34	15LF	
3		22	23	15LF	17	79	35	15LF	
4	PLUG				18	80	35	15LF	
5		23	23	15LF					
6	PLUG					TOWER 7			
7		24	24	15LF					
8	PLUG								
9		24	24	15LF					
10	PLUG								
11		25	25	15LF					
12	PLUG								
13		25	25	15LF					
14	PLUG								
		25	25	15LF					
		26	24	15LF					
		27	24	15LF					
		28	24	15LF					
		29	24	15LF					
		30	25	15LF					
		31	25	15LF					
		32	25	15LF					
		33	25	15LF					
		34	25	15LF					

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119621

SEPTEMBER 26, 2025

DEALER - THE PIPE RANCH LLC

IRRIGATOR - BRADLEY
FIELD - DEDMON

TOTAL LENGTH PIPE = 934.06 SYSTEM PRESSURE = 23 PSI
 GPM UNDER PIPE = 413.64 TOTAL GPM = 500.87
 ACRES UNDER PIPE = 62.92
 RANGE OF ENDGUN = 90.33
 GPM OF ENDGUN = 87.24
 ACRES UNDER ENDGUN = 12.76
 WATERING LENGTH = 1024.39

MOTOR SIZE (HP) = .6
 LOADED MOTOR RPM = 1800
 CENTER GEAR BOX RATIO = 53
 WHEEL GEAR BOX RATIO = 52
 TIRE SIZE = 14.9 X 24
 LAST TOWER SPEED (FPM) = 7.68

PRECIPITATION DATA FIGURED WITH ENDGUN RUNNING

PRECIPITATION BASED

% TIMER BASED

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.18	100.00	12.74 - 764(min)	100.00	.18	12.74 - 764(min)
.20	92.50	13.77	90.00	.21	14.15
.25	74.00	17.21	80.00	.23	15.92
.30	61.66	20.65	70.00	.26	18.19
.40	46.25	27.54	60.00	.31	21.23
.50	37.00	34.42	50.00	.37	25.47
.60	30.83	41.31	45.00	.41	28.30
.70	26.43	48.19	40.00	.46	31.84
.75	24.67	51.64	35.00	.53	36.39
.80	23.12	55.08	30.00	.62	42.45
.90	20.55	61.96	25.00	.74	50.95
1.00	18.50	68.85	20.00	.92	63.68
1.25	14.80	86.06	15.00	1.23	84.91
1.50	12.33	103.27	10.00	1.85	127.36
1.75	10.57	120.48	5.00	3.70	254.73

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.