

AQUA IRRIGATION

SEPTEMBER 29, 2025

WISH-119633

CUSTOMER : HERNANDEZ FARMS

2025 LINDSAY 8500 - 90

10 TOWER - 1760.47 FT

SYSTEM 900 GPM @ 42 PSI

NELSON R3030 ROTATORS & A3030 ACCELERATORS

NELSON 20 & 10 PSI REGULATORS

NO ENDGUN

ELEVATION 10 FT UP, 5 FT DOWN

9370 COUNTY ROAD 35
ATWOOD, COLORADO 80722
(970)522-7560

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.

<u>DEALER</u>			<u>IRRIGATOR</u>				
AQUA IRRIGATION			HERNANDEZ FARMS				
9370 COUNTY ROAD 35							
ATWOOD, COLORADO 80722							
TOTAL TARGET GPM	900.00	FRICTION FACTOR USED	138	SPAN #	LENGTH	PIPE I.D.	# OF HEADS
TOP OF PIVOT PRESSURE	42.00	TOTAL LENGTH	1760.47	1	181.60	6.415	10
NO ENDGUN		NUMBER OF TOWERS	10	2	179.00	6.415	12
NUMBER OF OUTLETS	246	NUMBER OF SPRINKLERS	153	3	179.00	6.415	12
				4	179.00	6.415	12
NELSON R3030 ROTATORS - D8 ORANGE PLATES FIRST SEVEN SPANS				5	179.00	6.415	12
NELSON A3030 ACCELERATORS - D6 GOLD PLATES BALANCE				6	157.00	6.415	11
NELSON BLUE TOP 20 & 10 PSI INTEGRAL SERIES REGULATORS				7	157.00	6.415	10
POLYDROPS® AVERAGE 6.5 FT				8	157.00	6.415	21
ELEVATION IS 10 FT UP AND 5 FT DOWN				9	179.00	6.415	24
				10	179.00	6.415	24
				OH	33.87	5.349	5

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
1		2.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
2		7.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
3		15.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
4		22.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
5	29.93	29.93	0.48	1.57	41.08	22.12	R3030	14	LIME								1	NNB20LF		78
6		37.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
7		44.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	
8	21.83	51.76	0.53	1.57	40.37	22.11	R3030	14	LIME								2	NNB20LF		84
9		59.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	
10	14.83	66.59	0.57	1.57	39.98	22.11	R3030	14	LIME								3	NNB20LF		90
11		73.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
12	14.67	81.26	0.69	1.57	39.65	22.11	R3030	14	LIME								4	NNB20LF		90
13		88.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
14	14.50	95.76	0.81	1.57	39.40	22.10	R3030	14	LIME								5	NNB20LF		90
15		103.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
16	14.83	110.59	0.94	1.57	39.20	22.10	R3030	14	LIME								6	NNB20LF		90
17		117.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	
18	14.67	125.26	1.05	1.57	39.07	22.10	R3030	14	LIME								7	NNB20LF		84
19		132.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
20	14.50	139.76	1.18	1.57	39.01	22.10	R3030	14	LIME								8	NNB20LF		84
21		147.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	
22	14.83	154.59	1.31	1.57	39.01	22.10	R3030	14	LIME								9	NNB20LF		72
23		161.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
24	14.67	169.26	1.58	1.57	39.07	22.10	R3030	14	LIME								10	NNB20LF		66
25		176.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	
TOWER 1	181.60	181.60																		
26		182.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	
27	17.50	186.76	1.73	1.82	38.84	21.97	R3030	15	LIME								11	NNB20LF		60
28		194.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	
29	14.83	201.59	1.71	1.82	38.33	21.97	R3030	15	LIME								12	NNB20LF		72
30		208.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
31	14.67	216.26	1.82	1.82	37.82	21.97	R3030	15	LIME								13	NNB20LF		78
32		223.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	
33	14.50	230.76	1.95	2.07	37.38	21.85	R3030	16	LAVENDER								14	NNB20LF		84
34		238.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	
35	14.83	245.59	2.09	2.07	36.99	21.85	R3030	16	LAVENDER								15	NNB20LF		90
36		252.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	
37	14.67	260.26	2.19	2.07	36.68	21.85	R3030	16	LAVENDER								16	NNB20LF		90
38		267.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	
39	14.50	274.76	2.32	2.32	36.43	21.72	R3030	17	LAVENDER								17	NNB20LF		90
40		282.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	
41	14.83	289.59	2.46	2.58	36.25	21.59	R3030	18	GRAY								18	NNB20LF		90
42		296.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	
43	14.67	304.26	2.56	2.58	36.13	21.58	R3030	18	GRAY								19	NNB20LF		84
44		311.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	
45	14.50	318.76	2.69	2.58	36.08	21.58	R3030	18	GRAY								20	NNB20LF		84
46		326.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	
47	14.83	333.59	2.84	2.89	36.09	21.43	R3030	19	GRAY								21	NNB20LF		72

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
48	14.67	340.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	27	66
49		348.26	3.24	3.20	36.17	21.28	R3030	20	TURQUOISE				22	NNB20LF		
50	179.00	355.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	28	
TOWER 2		360.60														
51	17.50	361.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	29	60
52		365.76	3.40	3.46	35.96	21.15	R3030	21	TURQUOISE				23	NNB20LF		
53	14.83	373.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	30	72
54		380.59	3.24	3.20	35.46	21.27	R3030	20	TURQUOISE				24	NNB20LF		
55	14.67	387.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	31	78
56		395.26	3.32	3.20	34.97	21.26	R3030	20	TURQUOISE				25	NNB20LF		
57	14.50	402.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	32	84
58		409.76	3.47	3.45	34.54	21.13	R3030	21	TURQUOISE				26	NNB20LF		
59	14.83	417.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	33	90
60		424.59	3.61	3.45	34.17	21.13	R3030	21	TURQUOISE				27	NNB20LF		
61	14.67	431.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	34	90
62		439.26	3.69	3.82	33.87	20.95	R3030	22	YELLOW				28	NNB20LF		
63	14.50	446.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	35	90
64		453.76	3.84	3.82	33.64	20.95	R3030	22	YELLOW				29	NNB20LF		
65	14.83	461.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	36	90
66		468.59	3.98	4.13	33.48	20.84	R3030	23	YELLOW				30	NNB20LF		
67	14.67	475.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	37	84
68		483.26	4.06	4.13	33.38	20.83	R3030	23	YELLOW				31	NNB20LF		
69	14.50	490.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	38	84
70		497.76	4.21	4.13	33.35	20.83	R3030	23	YELLOW				32	NNB20LF		
71	14.83	505.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	39	72
72		512.59	4.36	4.54	33.38	20.74	R3030	24	RED				33	NNB20LF		
73	14.67	519.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	40	66
74		527.26	4.89	4.90	33.49	20.67	R3030	25	RED				34	NNB20LF		
75	179.00	534.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	41	
TOWER 3		539.60														
76	17.50	540.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	42	60
77		544.76	5.07	4.90	33.30	20.66	R3030	25	RED				35	NNB20LF		
78	14.83	552.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	43	72
79		559.59	4.76	4.90	32.83	20.65	R3030	25	RED				36	NNB20LF		
80	14.67	566.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	44	78
81		574.26	4.83	4.90	32.35	20.65	R3030	25	RED				37	NNB20LF		
82	14.50	581.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	45	84
83		588.76	4.98	4.90	31.95	20.64	R3030	25	RED				38	NNB20LF		
84	14.83	596.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	46	90
85		603.59	5.13	5.30	31.61	20.56	R3030	26	WHITE				39	NNB20LF		
86	14.67	610.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	47	90
87		618.26	5.20	5.30	31.34	20.55	R3030	26	WHITE				40	NNB20LF		
88	14.50	625.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	48	90
89		632.76	5.35	5.30	31.13	20.55	R3030	26	WHITE				41	NNB20LF		
90	14.83	640.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	49	90
91		647.59	5.50	5.68	30.99	20.47	R3030	27	WHITE				42	NNB20LF		
92	14.67	654.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	50	84
93		662.26	5.56	5.67	30.92	20.46	R3030	27	WHITE				43	NNB20LF		

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.	DR LEN	
94	14.50	669.76	-	-	-	-	-	-	-	-	-	-	-	-	51	84	
95		676.76	5.72	5.67	30.92	20.46	R3030	27	WHITE	-	-	-	44	NNB20LF			
96		684.26	-	-	-	-	-	-	-	-	-	-	-	-	52		
97	14.83	691.59	5.88	5.67	30.98	20.45	R3030	27	WHITE	-	-	-	45	NNB20LF		72	
98	14.67	698.93	-	-	-	-	-	-	-	-	-	-	-	-	53	66	
99		706.26	6.55	6.57	31.11	20.27	R3030	29	BLUE	-	-	-	46	NNB20LF			
100		713.76	-	-	-	-	-	-	-	-	-	-	-	-	54		
TOWER 4	179.00	718.60															
101	17.50	719.59	-	-	-	-	-	-	-	-	-	-	-	-	55	60	
102		723.76	6.73	6.57	30.96	20.26	R3030	29	BLUE	-	-	-	47	NNB20LF			
103		731.26	-	-	-	-	-	-	-	-	-	-	-	-	56		
104	14.83	738.59	6.28	6.16	30.52	20.34	R3030	28	BLUE	-	-	-	48	NNB20LF		72	
105	14.67	745.93	-	-	-	-	-	-	-	-	-	-	-	-	57	78	
106		753.26	6.33	6.16	30.08	20.34	R3030	28	BLUE	-	-	-	49	NNB20LF			
107		760.76	-	-	-	-	-	-	-	-	-	-	-	-	58		
108	14.50	767.76	6.49	6.57	29.71	20.25	R3030	29	BLUE	-	-	-	50	NNB20LF		84	
109	14.83	775.26	-	-	-	-	-	-	-	-	-	-	-	-	59	90	
110		782.59	6.65	6.57	29.40	20.25	R3030	29	BLUE	-	-	-	51	NNB20LF			
111		789.93	-	-	-	-	-	-	-	-	-	-	-	-	60		
112	14.67	797.26	6.70	6.57	29.16	20.24	R3030	29	BLUE	-	-	-	52	NNB20LF		90	
113	14.50	804.76	-	-	-	-	-	-	-	-	-	-	-	-	61	90	
114		811.76	6.86	7.01	28.98	20.14	R3030	30	DK BROWN	-	-	-	53	NNB20LF			
115		819.26	-	-	-	-	-	-	-	-	-	-	-	-	62		
116	14.83	826.59	7.03	7.01	28.88	20.14	R3030	30	DK BROWN	-	-	-	54	NNB20LF		90	
117	14.67	833.93	-	-	-	-	-	-	-	-	-	-	-	-	63	84	
118		841.26	7.07	7.01	28.84	20.14	R3030	30	DK BROWN	-	-	-	55	NNB20LF			
119		848.76	-	-	-	-	-	-	-	-	-	-	-	-	64		
120	14.50	855.76	7.24	7.41	28.87	20.05	R3030	31	DK BROWN	-	-	-	56	NNB20LF		84	
121	14.83	863.26	-	-	-	-	-	-	-	-	-	-	-	-	65	72	
122		870.59	7.40	7.41	28.97	20.05	R3030	31	DK BROWN	-	-	-	57	NNB20LF			
123		877.93	-	-	-	-	-	-	-	-	-	-	-	-	66		
124	14.67	885.26	8.21	8.46	29.13	19.88	R3030	33	ORANGE	-	-	-	58	NNB20LF		66	
125	179.00	892.76	-	-	-	-	-	-	-	-	-	-	-	-	67	60	
TOWER 5		897.60															
126		898.59	-	-	-	-	-	-	-	-	-	-	-	-	-		68
127	17.50	902.76	8.40	8.46	29.02	19.87	R3030	33	ORANGE	-	-	-	59	NNB20LF		60	
128	14.83	910.26	-	-	-	-	-	-	-	-	-	-	-	-	69	66	
129		917.59	7.80	7.94	28.56	19.92	R3030	32	ORANGE	-	-	-	60	NNB20LF			
130		924.93	-	-	-	-	-	-	-	-	-	-	-	-	70		
131	14.67	932.26	7.83	7.94	28.13	19.92	R3030	32	ORANGE	-	-	-	61	NNB20LF		72	
132	14.50	939.76	-	-	-	-	-	-	-	-	-	-	-	-	71	72	
133		946.76	8.00	7.94	27.80	19.90	R3030	32	ORANGE	-	-	-	62	NNB20LF			
134		954.26	-	-	-	-	-	-	-	-	-	-	-	-	72		
135	14.83	961.59	8.17	7.94	27.54	19.90	R3030	32	ORANGE	-	-	-	63	NNB20LF		78	
136	14.67	968.76	-	-	-	-	-	-	-	-	-	-	-	-	73	78	
137		976.26	8.25	8.45	27.38	19.81	R3030	33	ORANGE	-	-	-	64	NNB20LF			
138		983.59	-	-	-	-	-	-	-	-	-	-	-	-	74		
139	14.67	990.93	8.42	8.45	27.30	19.81	R3030	33	ORANGE	-	-	-	65	NNB20LF		78	

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
140		998.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	75	
141	14.83	1005.76	8.49	8.45	27.32	19.79	R3030	33	ORANGE				66	NNB20LF		72
142		1012.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	76	
143	14.50	1020.26	8.57	8.45	27.41	19.80	R3030	33	ORANGE				67	NNB20LF		72
144		1027.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	77	
145	14.67	1034.93	8.79	8.95	27.60	19.73	R3030	34	DK GREEN				68	NNB20LF		66
146		1042.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	78	
147	14.83	1049.76	9.78	9.88	27.77	19.61	R3030	36	PURPLE				69	NNB20LF		60
TOWER 6	157.00	1054.60														
148		1055.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	79	
149		1059.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	80	
150	17.50	1067.26	9.88	9.87	27.49	19.58	R3030	36	PURPLE				70	NNB20LF		60
151		1074.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	81	
152	14.67	1081.93	9.19	9.41	27.05	19.61	R3030	35	DK GREEN				71	NNB20LF		66
153		1089.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	82	
154	14.83	1096.76	9.26	9.40	26.70	19.60	R3030	35	DK GREEN				72	NNB20LF		72
155		1103.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	83	
156	14.50	1111.26	9.27	9.40	26.45	19.59	R3030	35	DK GREEN				73	NNB20LF		78
157		1118.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	84	
158	14.50	1125.76	9.50	9.40	26.27	19.57	R3030	35	DK GREEN				74	NNB20LF		78
159		1133.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	85	
160	14.83	1140.59	9.68	9.85	26.18	19.49	R3030	36	PURPLE				75	NNB20LF		78
161		1147.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	86	
162	14.67	1155.26	9.69	9.85	26.19	19.49	R3030	36	PURPLE				76	NNB20LF		78
163		1162.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	87	
164	14.50	1169.76	9.87	9.85	26.27	19.48	R3030	36	PURPLE				77	NNB20LF		72
165		1177.26	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	88	
166	14.83	1184.59	10.05	9.85	26.45	19.48	R3030	36	PURPLE				78	NNB20LF		66
167		1191.93	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	89	
168	14.67	1199.26	11.10	11.08	26.71	19.29	R3030	38	BLACK				79	NNB20LF		60
169		1206.76	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	90	
TOWER 7	157.00	1211.60														
170		1212.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	91	
171	17.50	1216.76	8.73	8.91	26.72	10.14	A3030	40	DK TURQ				80	NNB10LF		60
172	7.50	1224.26	5.22	5.08	26.53	10.58	A3030	30	DK BROWN				81	NNB10LF		60
173	7.33	1231.59	5.20	5.08	26.32	10.58	A3030	30	DK BROWN				82	NNB10LF		66
174	7.34	1238.93	5.23	5.37	26.13	10.50	A3030	31	DK BROWN				83	NNB10LF		66
175	7.33	1246.26	5.32	5.37	25.96	10.50	A3030	31	DK BROWN				84	NNB10LF		72
176	7.50	1253.76	5.23	5.37	25.81	10.50	A3030	31	DK BROWN				85	NNB10LF		72
177	7.00	1260.76	5.26	5.37	25.69	10.49	A3030	31	DK BROWN				86	NNB10LF		72
178	7.50	1268.26	5.41	5.37	25.59	10.50	A3030	31	DK BROWN				87	NNB10LF		78
179	7.33	1275.59	5.32	5.37	25.51	10.50	A3030	31	DK BROWN				88	NNB10LF		78
180	7.17	1282.76	5.41	5.37	25.45	10.50	A3030	31	DK BROWN				89	NNB10LF		78
181	7.50	1290.26	5.50	5.37	25.41	10.50	A3030	31	DK BROWN				90	NNB10LF		78
182	7.33	1297.59	5.47	5.37	25.39	10.49	A3030	31	DK BROWN				91	NNB10LF		78
183	7.34	1304.93	5.51	5.37	25.40	10.50	A3030	31	DK BROWN				92	NNB10LF		78
184	7.33	1312.26	5.60	5.74	25.43	10.40	A3030	32	ORANGE				93	NNB10LF		78
185	7.50	1319.76	5.50	5.37	25.48	10.49	A3030	31	DK BROWN				94	NNB10LF		72

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
186	7.00	1326.76	5.54	5.37	25.54	10.49	A3030	31	DK BROWN	95	NNB10LF		72
187	7.50	1334.26	5.70	5.74	25.64	10.40	A3030	32	ORANGE	96	NNB10LF		72
188	7.33	1341.59	5.66	5.74	25.75	10.40	A3030	32	ORANGE	97	NNB10LF		66
189	7.34	1348.93	5.69	5.74	25.89	10.40	A3030	32	ORANGE	98	NNB10LF		66
190	7.33	1356.26	5.79	5.74	26.04	10.40	A3030	32	ORANGE	99	NNB10LF		60
191	7.50	1363.76	6.87	6.78	26.12	10.18	A3030	35	DK GREEN	100	NNB10LF		60
TOWER 8	157.00	1368.60											
192		1369.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	92	
193	10.00	1373.76	6.92	6.78	26.09	10.18	A3030	35	DK GREEN	101	NNB10LF		60
194	7.50	1381.26	5.90	5.74	25.97	10.41	A3030	32	ORANGE	102	NNB10LF		66
195	7.33	1388.59	5.87	5.74	25.78	10.41	A3030	32	ORANGE	103	NNB10LF		72
196	7.34	1395.93	5.90	5.74	25.62	10.41	A3030	32	ORANGE	104	NNB10LF		78
197	7.33	1403.26	6.00	6.09	25.47	10.31	A3030	33	ORANGE	105	NNB10LF		78
198	7.50	1410.76	5.90	5.74	25.34	10.41	A3030	32	ORANGE	106	NNB10LF		84
199	7.00	1417.76	5.93	6.09	25.23	10.31	A3030	33	ORANGE	107	NNB10LF		84
200	7.50	1425.26	6.09	6.09	25.13	10.31	A3030	33	ORANGE	108	NNB10LF		90
201	7.33	1432.59	6.06	6.09	25.06	10.31	A3030	33	ORANGE	109	NNB10LF		90
202	7.34	1439.93	6.09	6.09	24.99	10.31	A3030	33	ORANGE	110	NNB10LF		90
203	7.33	1447.26	6.19	6.09	24.95	10.31	A3030	33	ORANGE	111	NNB10LF		90
204	7.50	1454.76	6.08	6.09	24.92	10.31	A3030	33	ORANGE	112	NNB10LF		90
205	7.00	1461.76	6.11	6.09	24.90	10.31	A3030	33	ORANGE	113	NNB10LF		90
206	7.50	1469.26	6.28	6.44	24.91	10.21	A3030	34	DK GREEN	114	NNB10LF		90
207	7.33	1476.59	6.24	6.09	24.93	10.31	A3030	33	ORANGE	115	NNB10LF		90
208	7.34	1483.93	6.28	6.44	24.97	10.22	A3030	34	DK GREEN	116	NNB10LF		90
209	7.33	1491.26	6.37	6.44	25.02	10.21	A3030	34	DK GREEN	117	NNB10LF		84
210	7.50	1498.76	6.26	6.09	25.10	10.31	A3030	33	ORANGE	118	NNB10LF		84
211	7.00	1505.76	6.29	6.44	25.18	10.22	A3030	34	DK GREEN	119	NNB10LF		84
212	7.50	1513.26	6.46	6.44	25.29	10.22	A3030	34	DK GREEN	120	NNB10LF		78
213	7.33	1520.59	6.43	6.44	25.41	10.21	A3030	34	DK GREEN	121	NNB10LF		72
214	7.34	1527.93	6.46	6.44	25.55	10.22	A3030	34	DK GREEN	122	NNB10LF		72
215	7.33	1535.26	6.56	6.44	25.70	10.22	A3030	34	DK GREEN	123	NNB10LF		66
216	7.50	1542.76	7.78	7.60	25.75	10.15	A3030	37	PURPLE	124	NNB10LF		60
TOWER 9	179.00	1547.60											
217		1548.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	93	
218	10.00	1552.76	7.84	8.02	25.74	10.14	A3030	38	BLACK	125	NNB10LF		60
219	7.50	1560.26	6.67	6.78	25.63	10.17	A3030	35	DK GREEN	126	NNB10LF		66
220	7.33	1567.59	6.62	6.78	25.46	10.17	A3030	35	DK GREEN	127	NNB10LF		72
221	7.34	1574.93	6.65	6.78	25.31	10.17	A3030	35	DK GREEN	128	NNB10LF		78
222	7.33	1582.26	6.75	6.78	25.18	10.17	A3030	35	DK GREEN	129	NNB10LF		78
223	7.50	1589.76	6.63	6.78	25.06	10.17	A3030	35	DK GREEN	130	NNB10LF		84
224	7.00	1596.76	6.65	6.78	24.96	10.17	A3030	35	DK GREEN	131	NNB10LF		84
225	7.50	1604.26	6.83	6.78	24.88	10.17	A3030	35	DK GREEN	132	NNB10LF		90
226	7.33	1611.59	6.79	6.78	24.81	10.17	A3030	35	DK GREEN	133	NNB10LF		90
227	7.34	1618.93	6.82	6.78	24.76	10.17	A3030	35	DK GREEN	134	NNB10LF		90
228	7.33	1626.26	6.93	6.78	24.73	10.17	A3030	35	DK GREEN	135	NNB10LF		90
229	7.50	1633.76	6.81	6.78	24.71	10.16	A3030	35	DK GREEN	136	NNB10LF		90
230	7.00	1640.76	6.85	6.78	24.71	10.16	A3030	35	DK GREEN	137	NNB10LF		90
231	7.50	1648.26	7.04	7.12	24.72	10.16	A3030	36	PURPLE	138	NNB10LF		90

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
232	7.33	1655.59	6.99	7.12	24.76	10.16	A3030	36	PURPLE	139	NNB10LF		90
233	7.34	1662.93	7.01	7.12	24.81	10.16	A3030	36	PURPLE	140	NNB10LF		90
234	7.33	1670.26	7.11	7.11	24.87	10.15	A3030	36	PURPLE	141	NNB10LF		84
235	7.50	1677.76	6.98	7.12	24.95	10.16	A3030	36	PURPLE	142	NNB10LF		84
236	7.00	1684.76	7.00	7.12	25.05	10.16	A3030	36	PURPLE	143	NNB10LF		84
237	7.50	1692.26	7.18	7.12	25.16	10.16	A3030	36	PURPLE	144	NNB10LF		78
238	7.33	1699.59	7.14	7.11	25.29	10.16	A3030	36	PURPLE	145	NNB10LF		72
239	7.34	1706.93	7.17	7.12	25.44	10.16	A3030	36	PURPLE	146	NNB10LF		72
240	7.33	1714.26	7.29	7.12	25.60	10.16	A3030	36	PURPLE	147	NNB10LF		66
241	7.50	1721.76	8.28	8.47	25.66	10.12	A3030	39	BLACK	148	NNB10LF		60
TOWER 10	179.00	1726.60	PIPE ID CHANGES FROM 6.415 TO 5.349										
242	9.21	1730.97	8.28	8.47	25.66	10.12	A3030	39	BLACK	149	NNB10LF		60
243	7.50	1738.47	7.32	7.11	25.66	10.16	A3030	36	PURPLE	150	NNB10LF		60
244	7.33	1745.80	6.90	6.77	25.66	10.16	A3030	35	DK GREEN	151	NNB10LF		60
245	6.42	1752.22	6.06	6.09	25.66	10.30	A3030	33	ORANGE	152	NNB10LF		60
246	5.50	1757.72	5.94	6.09	25.66	10.30	A3030	33	ORANGE	153	NNB10LF		60
OVERHANG	33.87	1760.47											

TOTAL GPM = 900.50

GPA = 4.03

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 25.00 PSI

WITH GRADUATED ELEVATION OF 10.00 FT THE INLET PRESSURE IS 25.00 PSI FOR SPRINKLER 79

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	2.38	9.58	16.08	68%	6.76	0.015	0.54	0.72	0.90
2	7.00	28.18	28.15	0%	4.02	0.009	0.32	0.43	0.53
3	11.62	46.79	46.49	-1%	4.00	0.009	0.32	0.42	0.53
4	16.24	65.40	65.11	0%	4.01	0.009	0.32	0.43	0.53
5	20.86	84.01	83.32	-1%	3.99	0.009	0.32	0.42	0.53
6	22.10	89.00	88.91	0%	4.02	0.009	0.32	0.43	0.53
7	25.66	103.32	101.68	-2%	3.96	0.009	0.32	0.42	0.53
8	29.22	117.64	117.36	0%	4.02	0.009	0.32	0.43	0.53
9	37.65	151.58	149.87	-1%	3.98	0.009	0.32	0.42	0.53
10	42.27	170.19	169.20	-1%	4.00	0.009	0.32	0.42	0.53
OVERHANG	8.52	34.30	34.32	0%	4.03	0.009	0.32	0.43	0.53
TOTAL	223.52	900.00	900.50		4.03				

SUMMARY OF SPRINKLERS

10 R3030 14 LIME
3 R3030 15 LIME
3 R3030 16 LAVENDER
1 R3030 17 LAVENDER
3 R3030 18 GRAY
1 R3030 19 GRAY
3 R3030 20 TURQUOISE
3 R3030 21 TURQUOISE
2 R3030 22 YELLOW
3 R3030 23 YELLOW
1 R3030 24 RED
5 R3030 25 RED
3 R3030 26 WHITE
4 R3030 27 WHITE
2 R3030 28 BLUE
5 R3030 29 BLUE
3 R3030 30 DK BROWN
2 R3030 31 DK BROWN
4 R3030 32 ORANGE
6 R3030 33 ORANGE
1 R3030 34 DK GREEN
4 R3030 35 DK GREEN
6 R3030 36 PURPLE
1 R3030 38 BLACK
2 A3030 30 DK BROWN
12 A3030 31 DK BROWN
9 A3030 32 ORANGE
12 A3030 33 ORANGE
8 A3030 34 DK GREEN
15 A3030 35 DK GREEN
11 A3030 36 PURPLE
1 A3030 37 PURPLE
1 A3030 38 BLACK
2 A3030 39 BLACK
1 A3030 40 DK TURQ

93 PLUGS**SUMMARY OF DROPS**

21 60 IN DROP
17 66 IN DROP
27 72 IN DROP
25 78 IN DROP
25 84 IN DROP
38 90 IN DROP

TOTAL OF 153 DROPS**SUMMARY OF REGULATORS**

79 Nelson Blue Int Uni Flo 20 psi
74 Nelson Blue Int Uni Flo 10 psi

TOTAL OF 153 REGULATORS

NOZZLE POSITION CHART

R3030 14 LIME	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
R3030 15 LIME	11, 12, 13
R3030 16 LAVENDER	14, 15, 16
R3030 17 LAVENDER	17
R3030 18 GRAY	18, 19, 20
R3030 19 GRAY	21
R3030 20 TURQUOISE	22, 24, 25
R3030 21 TURQUOISE	23, 26, 27
R3030 22 YELLOW	28, 29
R3030 23 YELLOW	30, 31, 32
R3030 24 RED	33
R3030 25 RED	34, 35, 36, 37, 38
R3030 26 WHITE	39, 40, 41
R3030 27 WHITE	42, 43, 44, 45
R3030 28 BLUE	48, 49
R3030 29 BLUE	46, 47, 50, 51, 52
R3030 30 DK BROWN	53, 54, 55
R3030 31 DK BROWN	56, 57
R3030 32 ORANGE	60, 61, 62, 63
R3030 33 ORANGE	58, 59, 64, 65, 66, 67
R3030 34 DK GREEN	68
R3030 35 DK GREEN	71, 72, 73, 74
R3030 36 PURPLE	69, 70, 75, 76, 77, 78
R3030 38 BLACK	79
A3030 30 DK BROWN	81, 82
A3030 31 DK BROWN	83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 94, 95
A3030 32 ORANGE	93, 96, 97, 98, 99, 102, 103, 104, 106
A3030 33 ORANGE	105, 107, 108, 109, 110, 111, 112, 113, 115, 118, 152, 153
A3030 34 DK GREEN	114, 116, 117, 119, 120, 121, 122, 123
A3030 35 DK GREEN	100, 101, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 151
A3030 36 PURPLE	138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 150
A3030 37 PURPLE	124
A3030 38 BLACK	125
A3030 39 BLACK	148, 149
A3030 40 DK TURQ	80

AQUA IRRIGATION
9370 COUNTY ROAD 35
ATWOOD, COLORADO 80722

SEPTEMBER 29, 2025
WISH-119633
HERNANDEZ FARMS

2025 LINDSAY 8500 - 90
NELSON R3030 ROTATORS
NELSON 20 & 10 PSI REGULATORS
POLYDROPS®
NO ENDGUN

Rotation time at 100% = 12.98 Hours Or 779 minutes

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

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119633

SEPTEMBER 29, 2025

DEALER - AQUA IRRIGATION

IRRIGATOR - HERNANDEZ FARMS

TOTAL LENGTH PIPE = 1760.47 SYSTEM PRESSURE = 42 PSI
GPM UNDER PIPE = 900.50 TOTAL GPM = 900.50
ACRES UNDER PIPE = 223.52
RANGE OF ENDGUN = .00 RUN FOR MINIMUM PRESSURE
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 = 12.4 X 38
LAST TOWER SPEED (FPM) = 13.93

PRECIPITATION BASED

% TIMER BASED

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.12	100.00	12.98 - 779(min)	100.00	.12	12.98 - 779(min)
.20	57.77	22.47	90.00	.13	14.42
.25	46.22	28.08	80.00	.14	16.22
.30	38.51	33.70	70.00	.17	18.54
.40	28.89	44.94	60.00	.19	21.63
.50	23.11	56.17	50.00	.23	25.96
.60	19.26	67.40	45.00	.26	28.84
.70	16.51	78.64	40.00	.29	32.45
.75	15.41	84.25	35.00	.33	37.09
.80	14.44	89.87	30.00	.39	43.27
.90	12.84	101.10	25.00	.46	51.92
1.00	11.55	112.34	20.00	.58	64.90
1.25	9.24	140.42	15.00	.77	86.53
1.50	7.70	168.51	10.00	1.16	129.80
1.75	6.60	196.59	5.00	2.31	259.60

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 - AQUA IRRIGATION

IRRIGATOR - HERNANDEZ FARMS

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

SUMMARY OF DROPS

21 - 60 IN DROP
 17 - 66 IN DROP
 27 - 72 IN DROP
 25 - 78 IN DROP
 25 - 84 IN DROP
 38 - 90 IN DROP

TOTAL OF 153 DROPS

POLY SENN GRAY FEMALE X PLASTIC MALE