



Commercial Products

Sprayer Calibration Guide



PART NO. 98006SL





Sprayer Calibration Guide

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Operation Procedure & Tips for Toro Sprayers

Assure The Pump is Primed Prior to Each Use.

Never Run A Pump Dry!

Fill Tank ½ Full of Clean Clear Water Prior to Adding Any Chemical.

Assure Agitation Is At Full Flow Prior to Adding Chemicals.

Add All Chemicals Slowly to Tank.

Premix Wettable Powders.

Turn Off Agitation At Lower Tank Levels To Minimize Foaming & Pump Cavitation.

Use An Anti-Foaming Agent As Required.

Clean, Clean, Clean !

Triple Rinse System After Each Use at High Spray Pressure and Full Agitation,

Use Fifty (50) Gallons of Clean Clear Water For Each of The Three Rinses,

**Use an Appropriate Cleaning/ Neutralizing Agent as Needed,
Clean Strainer Weekly and After Each Use When Applying
Wettable Powders.**

Verify Chemicals Are Compatible With Viton.

See manufactures labeling. It should specify if it is not compatible with Viton.

Lubricate Solenoid Valves' Armature Monthly (Adjustable Style Only)

Use Glycerin or Mineral Oil.

Verify Adjustment Annually.

Pro Control Systems:

Clean Flow Meter Annually.

Utilize Bypass Valve To Maintain Maximum Static Pressure At Or Below 80 P.S.I.

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Multi Pro™ Sprayer Calibration

Easy Method

1. Fill sprayer tank with clean clear water.
2. Verify that the nozzle spacing is 20 inches between nozzles. If nozzle spacing is different than 20 inches, see chart below.
3. Check flow from each nozzle to verify uniform distribution. Replace worn nozzles.
4. Measure a test course that is 204 feet in length. If nozzle spacing is different than 20 inches, see chart below.
5. Drive the test course at your normal spraying speed and record the travel time in seconds.
6. Park the sprayer while maintaining the same RPM used to drive the test course and set the pressure to be used while spraying.
7. Collect the output from one nozzle for the same amount of time that it took to travel the test course.
8. Each ounce collected equals a gallon per acre application rate.

Example: 78 ounces collected equals
78 gallons per acre application rate.

Nozzle Spacing (inches)	Test Course Length (feet)
20	204
18	227
16	255
14	291
12	340
10	408

General Calibration Formulas

Checking The Nozzle Size

Acre Method:

To check your calibration:

$$\text{G.P.A.} = \frac{5940 \times \text{G.P.M. (per nozzle)}}{\text{M.P.H.} \times \text{Nozzle Spacing}}$$

$$\text{Example: } 79.2 \text{ G.P.A.} = \frac{5940 \times .80 \text{ G.P.M.}}{3 \text{ M.P.H.} \times 20''}$$

1,000 Square Foot Method:

To check your calibration:

$$\text{G.P.1,000 sq. ft.} = \frac{136 \times \text{G.P.M. (per Nozzle)}}{\text{M.P.H.} \times \text{Nozzle Spacing}}$$

$$\text{Example: } 2 \text{ G.P.1,000 sq. ft.} = \frac{136 \times .88 \text{ G.P.M.}}{3 \text{ M.P.H.} \times 20''}$$

NOTE: G.P.M = gallons per minute
M.P.H. = miles per hour

G.P.A. = gallons per acre
G. P. 1,000 sq. ft. = gallons per thousand square feet

General Calibration Formulas

Finding The Correct Nozzle Size

Acre Method:

$$\text{G.P.M. (per nozzle)} = \frac{\text{G.P.A.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{5940}$$

$$\text{Example: } .81 \text{ G.P.M.} = \frac{80 \text{ G.P.A.} \times 3 \text{ M.P.H.} \times 20''}{5940}$$

After determining the gallons per minute refer to the Capacity column on the Nozzle Charts later in this booklet.

1,000 Square Foot Method:

$$\text{G.P.M. (per nozzle)} = \frac{\text{G.P. 1,000 sq. ft.} \times \text{M.P.H.} \times \text{Nozzle Spacing}}{136}$$

$$\text{Example: } .88 \text{ G.P.M.} = \frac{2 \text{ G.P. 1,000 sq. ft.} \times 3 \text{ M.P.H.} \times 20''}{136}$$

After determining the gallons per minute refer to the Capacity column on the Nozzle Charts later in this booklet.

NOTE: G.P.M = gallons per minute
M.P.H. = miles per hour

G.P.A. = gallons per acre
G. P. 1,000 sq. ft. = gallons per thousand square feet

NOZZLE SELECTION CHART for Delavan Raindrop® Nozzles

Finding The Correct Nozzle Size

Gallons Per Acre and Gallons Per 1,000 sq. ft.

Toro Part Number	Nozzle Number & Size	ISO Color After 1-31-97	Color Before 2-1-97	Pressure (PSIG)	Capacity 1-Nozzle (GPM)	Application Rates for Nozzles with 20 Inch Spacing:							
						Gallons Per Acre At				Gallons Per 1,000 sq. ft. At			
						3 MPH	4 MPH	5 MPH	6 MPH	3 MPH	4 MPH	5 MPH	6 MPH
93-6428	RA-2 120° ¼"	Yellow	Gray	20	0.14	14	11	8	7	0.32	0.24	0.19	0.16
				30	0.17	18	13	10	9	0.40	0.30	0.24	0.20
				40	0.20	20	15	12	10	0.46	0.34	0.27	0.23
				50	0.22	22	17	13	11	0.50	0.38	0.31	0.25
92-3977	RA-4 120° ¼"	Red	Yellow	20	0.28	28	21	17	14	0.64	0.48	0.39	0.32
				30	0.35	34	26	20	17	0.78	0.60	0.46	0.39
				40	0.40	40	30	24	20	0.92	0.69	0.55	0.46
				50	0.45	44	33	27	22	1.01	0.76	0.62	0.51
43082	RA-5 120° ¼"	Brown	Dark Blue	20	0.36	35	26	21	17.5	0.80	0.60	0.48	0.40
				30	0.44	42	32	26	21	0.96	0.73	0.60	0.48
				40	0.50	50	37	30	25	1.15	0.85	0.69	0.57
				50	0.56	56	42	33	28	1.29	0.96	0.76	0.64
41088	RA-6 120° ¼"	Gray	Dark Green	20	0.43	42	32	25	21	0.96	0.73	0.57	0.48
				30	0.52	52	39	31	26	1.19	0.90	0.71	0.60
				40	0.60	60	45	36	30	1.38	1.03	0.83	0.69
				50	0.67	66	50	40	33	1.52	1.15	0.92	0.76
42828	RA-8 120° ¼"	White	Red	20	0.57	56	42	34	28	1.29	0.96	0.78	0.64
				30	0.70	68	51	41	34	1.56	1.17	0.94	0.78
				40	0.80	80	59	48	40	1.84	1.35	1.10	0.92
				50	0.90	88	66	53	44	2.02	1.52	1.22	1.01
40444	RA-10 120° ¼"	Tan	Tan	20	0.71	70	53	42	35	1.61	1.22	0.96	0.80
				30	0.87	86	64	51	43	1.97	1.47	1.17	0.99
				40	1.0	100	74	59	50	2.30	1.70	1.35	1.15
				50	1.1	110	83	66	55	2.53	1.91	1.52	1.26
92-0027	RA-15 120° ¼"	Light Blue	Light Blue	20	1.1	106	79	63	53	2.43	1.81	1.45	1.22
				30	1.3	128	96	77	64	2.94	2.20	1.77	1.47
				40	1.5	148	111	89	74	3.40	2.55	2.04	1.70
				50	1.7	166	125	100	83	3.81	2.87	2.30	1.91
93-0903‡	RA-25 140° ¾"	Black	Black	20	1.8	176	132	104	88	4.04	3.03	2.39	2.02
				30	2.2	216	162	128	108	4.96	3.72	2.94	2.48
				40	2.5	248	186	148	124	5.69	4.27	3.40	2.85
				50	2.8	280	210	166	140	6.43	4.82	3.81	3.21

‡ Complete set of nozzles with attaching parts, use 93-0905

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NOZZLE SELECTION CHART for Delavan Raindrop[®] Nozzles

Finding The Correct Nozzle Size

LITERS PER HECTARE FORMULA

Toro Part Number	Nozzle Number Size	ISO Color After 1-31-97	Color Before 2-1-97	Pressure (kPa)	Capacity 1-Nozzle (L/min)	Application Rates For Nozzles with 50 cm Spacing:			
						LITERS PER HECTARE At:			
						5 km/h	6 km/h	8 km/h	10 km/h
93-6428	RA-2 120° ¼"	Yellow	Gray	150	0.53	131	98	76	65
				200	0.64	161	121	96	80
				275	0.76	185	139	111	93
				350	0.83	208	155	124	104
92-3977	RA-4 120° ¼"	Red	Yellow	150	0.56	134	112	84	67
				200	0.64	155	129	97	77
				275	0.76	181	151	113	91
				350	0.85	205	171	128	102
43082	RA-5 120° ¼"	Brown	Dark Blue	150	1.40	335	279	209	167
				200	1.16	387	322	242	193
				275	1.89	453	378	283	227
				350	2.13	512	426	320	256
41088	RA-6 120° ¼"	Gray	Dark Green	150	1.67	402	335	251	201
				200	1.93	464	387	290	232
				275	2.27	544	453	340	272
				350	2.56	614	512	384	307
42828	RA-8 120° ¼"	White	Red	150	2.23	536	447	335	268
				200	2.58	619	516	387	309
				275	3.02	726	605	453	363
				350	3.41	819	682	512	409
40444	RA-10 120° ¼"	Tan	Tan	150	2.79	670	558	419	335
				200	3.22	773	645	483	387
				275	3.78	907	756	567	453
				350	4.26	1023	853	640	512
92-0027	RA-15 120° ¼"	Light Blue	Light Blue	150	4.18	1008	840	630	504
				200	4.84	1176	980	735	588
				275	5.67	1368	1140	855	684
				350	6.40	1536	1280	960	768
93-0903‡	RA-25 140° ¾"	Black	Black	150	6.98	1675	1396	1047	836
				200	8.06	1934	1612	1208	968
				275	9.45	2268	1888	1418	1132
				350	10.66	2558	2132	1598	1280

‡ Complete set of nozzles with attaching parts, use 93-0905

NOZZLE SELECTION CHART

for Toro Enclosed Boom System

Finding The Correct Nozzle Size

Gallons Per Acre and Gallons Per 1,000 sq. ft.

Toro Part Number	Nozzle Number Color-Code	Pressure (PSIG)	Capacity 1-Nozzle (GPM)	Application Rates for Nozzles with 20 Inch Spacing:							
				Gallons Per Acre At				Gallons Per 1,000 sq. ft. At			
				3 MPH	4 MPH	5 MPH	6 MPH	3 MPH	4 MPH	5 MPH	6 MPH
94-8714	XR11004VS 110° Red	20	0.28	28	21	17	14	0.64	0.48	0.39	0.32
		30	0.35	34	26	20	17	0.78	0.60	0.46	0.39
		40	0.40	40	30	24	20	0.92	0.69	0.55	0.46
		50	0.45	44	33	27	22	1.01	0.76	0.62	0.51
94-8715	XR11005VS 110° Brown	20	0.36	35	26	21	17.5	0.80	0.60	0.48	0.40
		30	0.44	42	32	26	21	0.96	0.73	0.60	0.48
		40	0.50	50	37	30	25	1.15	0.85	0.69	0.57
		50	0.56	56	42	33	28	1.29	0.96	0.76	0.64
94-8716	XR11006VS 110° Gray	20	0.43	42	32	25	21	0.96	0.73	0.57	0.48
		30	0.52	52	39	31	26	1.19	0.90	0.71	0.60
		40	0.60	60	45	36	30	1.38	1.03	0.83	0.69
		50	0.67	66	50	40	33	1.52	1.15	0.92	0.76
94-8717	XR11008VS 110° White	20	0.57	56	42	34	28	1.29	0.96	0.78	0.64
		30	0.70	68	51	41	34	1.56	1.17	0.94	0.78
		40	0.80	80	59	48	40	1.84	1.35	1.10	0.92
		50	0.90	88	66	53	44	2.02	1.52	1.22	1.01
94-8718	XR11010SS 110° Stainless	20	0.71	70	53	42	35	1.61	1.22	0.96	0.80
		30	0.87	86	64	51	43	1.97	1.47	1.17	0.99
		40	1.00	100	74	59	50	2.30	1.70	1.35	1.15
		50	1.10	110	83	66	55	2.53	1.91	1.52	1.26
94-8719	XR11015SS 110° Stainless	20	1.10	106	79	63	53	2.43	1.81	1.45	1.22
		30	1.30	128	96	77	64	2.94	2.20	1.77	1.47
		40	1.50	148	111	89	74	3.40	2.55	2.04	1.70
		50	1.70	166	125	100	83	3.81	2.87	2.30	1.91

Liters Per Hectare

Toro Part Number	Nozzle Number Color-Code	Pressure (kPa)	Capacity 1-Nozzle (L/min)	Application Rates For Nozzles with 50 cm Spacing:			
				LITERS PER HECTARE At:			
				5 km/h	6 km/h	8 km/h	10 km/h
94-8714	XR11004VS 110° Red	150	0.56	134	112	84	67
		200	0.64	155	129	97	77
		275	0.76	181	151	113	91
		350	0.85	205	171	128	102
94-8715	XR11005VS 110° Brown	150	1.40	335	279	209	167
		200	1.61	387	322	242	193
		275	1.89	453	378	283	227
		350	2.13	512	426	320	256
94-8716	XR11006VS 110° Gray	150	1.67	402	335	251	201
		200	1.93	464	387	290	232
		275	2.27	544	453	340	272
		350	2.56	614	512	384	307
94-8717	XR11008VS 110° White	150	2.23	536	447	335	268
		200	2.58	619	516	387	309
		275	3.02	726	605	453	363
		350	3.41	819	682	512	409
94-8718	XR11010SS 110° Stainless	150	2.79	670	558	419	335
		200	3.22	773	645	483	387
		275	3.78	907	756	567	453
		350	4.26	1023	853	640	512
94-8719	XR11015SS 110° Stainless	150	4.18	1008	840	630	504
		200	4.84	1176	980	735	588
		275	5.67	1368	1140	855	684
		350	6.40	1536	1280	960	768

Toro Turf-Jet Nozzles

NOZZLE SELECTION CHART

Gallons Per Acre Application Rates

Toro Part Number	Nozzle Number Color-Code	Pressure (PSIG)	Capacity 1-Nozzle (GPM)	Gallons Per Acre at 20 Inch Spacing							
				2.5 MPH	3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH
95-9221	Yellow	20	0.14	16.6	13.9	11.9	10.4	9.2	8.3	7.6	6.9
		30	0.17	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4
		40	0.20	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9
		50	0.22	26.1	21.8	18.7	16.3	14.5	13.1	11.9	10.9
95-9222	Red	20	0.28	33	28	24	21	18	17	15	14
		30	0.35	42	35	30	26	23	21	19	17
		40	0.40	48	40	34	30	26	24	22	20
		50	0.45	53	45	38	33	30	27	24	22
95-9223	Brown	20	0.35	42	35	30	26	23	21	19	17
		30	0.43	51	43	36	32	28	26	23	21
		40	0.50	59	50	42	37	33	30	27	25
		50	0.56	67	55	48	42	37	33	30	28
95-9224	Gray	20	0.42	50	42	36	31	28	25	23	21
		30	0.52	62	51	44	39	34	31	28	26
		40	0.60	71	59	51	45	40	36	32	30
		50	0.67	80	66	57	50	44	40	36	33
95-9225	White	20	0.57	68	56	48	42	38	34	31	28
		30	0.69	82	68	59	51	46	41	37	34
		40	0.80	95	79	68	59	53	48	43	40
		50	0.89	106	88	76	66	59	53	48	44
95-9188	Light Blue	20	0.71	84	70	60	53	47	42	38	35
		30	0.87	103	86	74	65	57	52	47	43
		40	1.00	119	99	85	74	66	59	54	50
		50	1.12	133	111	95	83	74	67	60	55
95-9226	Light Green	20	1.06	126	105	90	79	70	63	57	52
		30	1.30	154	129	110	97	86	77	70	64
		40	1.50	178	149	127	111	99	89	81	74
		50	1.68	200	166	143	125	111	100	91	83

Gallons Per 1,000 sq. ft. Application Rates

Toro Part Number	Nozzle Number Color-Code	Pressure (PSIG)	Capacity 1-Nozzle (GPM)	Gallons Per 1,000 sq. ft. at 20 Inch Spacing							
				2.5 MPH	3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH
95-9221	Yellow	20	0.14	0.38	0.32	0.27	0.24	0.21	0.19	0.17	0.16
		30	0.17	0.46	0.39	0.33	0.29	0.26	0.23	0.21	0.19
		40	0.20	0.54	0.45	0.39	0.34	0.30	0.27	0.25	0.23
		50	0.22	0.60	0.50	0.43	0.37	0.33	0.30	0.27	0.25
95-9222	Red	20	0.28	0.76	0.63	0.54	0.48	0.42	0.38	0.35	0.32
		30	0.35	0.95	0.79	0.68	0.60	0.53	0.48	0.43	0.40
		40	0.40	1.09	0.91	0.78	0.68	0.60	0.54	0.49	0.45
		50	0.45	1.22	1.02	0.87	0.77	0.68	0.61	0.56	0.51
95-9223	Brown	20	0.35	0.95	0.79	0.68	0.60	0.53	0.48	0.43	0.40
		30	0.43	1.17	0.97	0.84	0.73	0.65	0.58	0.53	0.49
		40	0.50	1.36	1.13	0.97	0.85	0.76	0.68	0.62	0.57
		50	0.56	1.52	1.27	1.09	0.95	0.85	0.76	0.69	0.63
95-9224	Gray	20	0.42	1.14	0.95	0.82	0.71	0.63	0.57	0.52	0.48
		30	0.52	1.41	1.18	1.01	0.88	0.79	0.71	0.64	0.59
		40	0.60	1.63	1.36	1.17	1.02	0.97	0.82	0.74	0.68
		50	0.67	1.82	1.52	1.30	1.14	1.01	0.91	0.83	0.76
95-9225	White	20	0.57	1.55	1.29	1.11	0.97	0.86	0.78	0.70	0.65
		30	0.69	1.88	1.56	1.34	1.17	1.04	0.94	0.85	0.78
		40	0.80	2.18	1.81	1.55	1.36	1.12	1.09	0.99	0.91
		50	0.89	2.42	2.02	1.73	1.51	1.34	1.12	1.10	1.01
95-9188	Light Blue	20	0.71	1.93	1.61	1.38	1.21	1.07	0.97	0.88	0.80
		30	0.87	2.37	1.97	1.69	1.48	1.31	1.18	1.08	0.99
		40	1.00	2.72	2.27	1.94	1.70	1.51	1.36	1.24	1.13
		50	1.12	3.05	2.54	2.18	1.90	1.69	1.52	1.38	1.27
95-9226	Light Green	20	1.06	2.88	2.40	2.06	1.80	1.60	1.44	1.33	1.20
		30	1.30	3.54	2.95	2.53	2.21	1.96	1.77	1.61	1.47
		40	1.50	4.08	3.40	2.91	2.55	2.27	2.04	1.85	1.70
		50	1.68	4.57	3.81	3.26	2.86	2.54	2.28	2.08	1.90

Toro Turf-Jet Nozzles

NOZZLE SELECTION CHART

Liters Per Hectare Application Rates

Toro Part Number	Nozzle Number Color-Code	Pressure (kPa)	Capacity 1-Nozzle (L/min)	Liters per Hectare at 50 cm Spacing							
				4km/h	5 km/h	6 km/h	7 km/h	8 km/h	9 km/h	10 km/h	11 km/h
95-9221	Yellow	150	0.53	159	127	106	91	80	71	64	58
		200	0.64	192	154	128	110	96	85	77	70
		275	0.76	228	182	152	130	114	101	91	83
		350	0.83	249	199	166	142	125	111	100	91
95-9222	Red	150	1.06	318	254	212	182	159	141	127	116
		200	1.32	396	317	264	226	198	176	158	144
		275	1.51	453	362	302	259	227	201	181	165
		350	1.70	510	408	340	291	255	227	204	185
95-9223	Brown	150	1.40	420	336	280	240	210	187	168	153
		200	1.61	483	386	322	276	242	215	193	176
		275	1.89	467	454	378	324	284	252	227	206
		350	2.13	639	511	426	365	320	284	256	232
95-9224	Gray	150	1.67	501	401	334	286	251	223	200	182
		200	1.93	579	463	386	331	290	257	232	211
		275	2.27	681	545	454	389	341	303	272	248
		350	2.56	768	614	512	439	384	341	307	279
95-9225	White	150	2.23	669	535	446	382	335	297	268	243
		200	2.58	774	619	516	442	387	344	310	281
		275	3.02	906	725	604	518	453	403	362	329
		350	3.41	1023	818	682	585	512	455	409	372
95-9188	Light Blue	150	2.79	837	670	558	478	419	372	335	304
		200	3.22	966	773	644	552	483	429	386	351
		275	3.78	1134	907	756	648	567	504	454	412
		350	4.28	1284	1027	856	734	642	571	514	467
95-9226	Light Green	150	4.18	1254	1003	836	717	627	557	502	456
		200	4.84	1452	1162	968	830	726	645	581	528
		275	5.67	1701	1361	1134	972	851	756	680	619
		350	6.40	1920	1536	1280	1097	960	853	768	698

CalibGuide\TurfJetChart.doc

Conversion Chart

From Gallons Per Acre To Gallons Per 1,000 sq. ft.

$$\frac{\text{G.P.A.}}{43.56} = \text{Gallons Per 1,000 sq. ft.}$$

G.P.A	G.P. 1000 sq. ft.
5	.11
6	.14
7	.16
8	.18
9	.20
10	.23
11	.25
12	.27
13	.30
14	.32
15	.34
16	.37
17	.39
18	.41
19	.44
20	.46
21	.48
22	.50
23	.53
24	.55
25	.57
26	.60
27	.62
28	.64
29	.67
30	.69
31	.71
32	.73
33	.76
34	.78
35	.80
36	.83

G.P.A	G.P. 1000 sq. ft.
37	.85
38	.87
39	.89
40	.91
41	.94
42	.96
43	.98
44	1.01
45	1.03
46	1.06
47	1.08
48	1.10
49	1.12
50	1.15
51	1.17
52	1.19
53	1.22
54	1.24
55	1.26
56	1.28
57	1.31
58	1.33
59	1.35
60	1.38
61	1.40
62	1.42
63	1.44
64	1.47
65	1.49
66	1.51
67	1.54
68	1.56

G.P.A	G.P. 1000 sq. ft.
69	1.58
70	1.61
71	1.63
72	1.65
73	1.67
74	1.70
75	1.72
76	1.74
77	1.77
78	1.79
79	1.81
80	1.83
81	1.86
82	1.88
83	1.90
84	1.93
85	1.95
86	1.97
87	2.00
88	2.02
89	2.04
90	2.06
91	2.09
92	2.11
93	2.13
94	2.16
95	2.18
96	2.20
97	2.22
98	2.25
99	2.27
100	2.29

MULTI PRO® 1100 & 5200 INITIAL CONSOLE PROGRAMMING Side A

When you first turn on Console power, after all installation procedures have been completed, the Console will flash "CAL" in the RATE display. This means you must "calibrate" or program the Console before it can be operated. (This is a one-time operation which does not have to be repeated. Turning OFF the POWER ON/OFF Switch does not affect the Console memory. All data is retained.)

The following steps must be followed:

If an entry selection error is made during steps 1,2 or 3, the Console can be reset by depressing  for 20 seconds (data displays US.), on Console Model 063019531. On Console Model 063017269, turn power off, hold  and power on at the same time to reset programming.

Step 1

Selecting US (Acres), SI [Hectares], or TU {1,000 Sq. Ft.}

- (a) Momentarily depress  until you reach the desired setting (US, SI or TU).
- (b) Once the desired setting has been reached, momentarily depress  to lock in your selection. The DATA display will now display SP1.

Step 2

Selecting SP1 & 3 (Wheel Drives, etc.) or SP2 (Radar Sensor).

NOTE: THE TORO MULTI PRO 1100 & 5200 USES THE WHEEL DRIVE SETTING (SP1), THEREFORE YOUR ENTRY SHOULD BE SP1.

Momentarily depress  until you reach the (SP1) setting, then momentarily depress  to lock in your setting.

Step 3 Note: Step 3 may be needed on some Consoles. If not continue to back of this card.

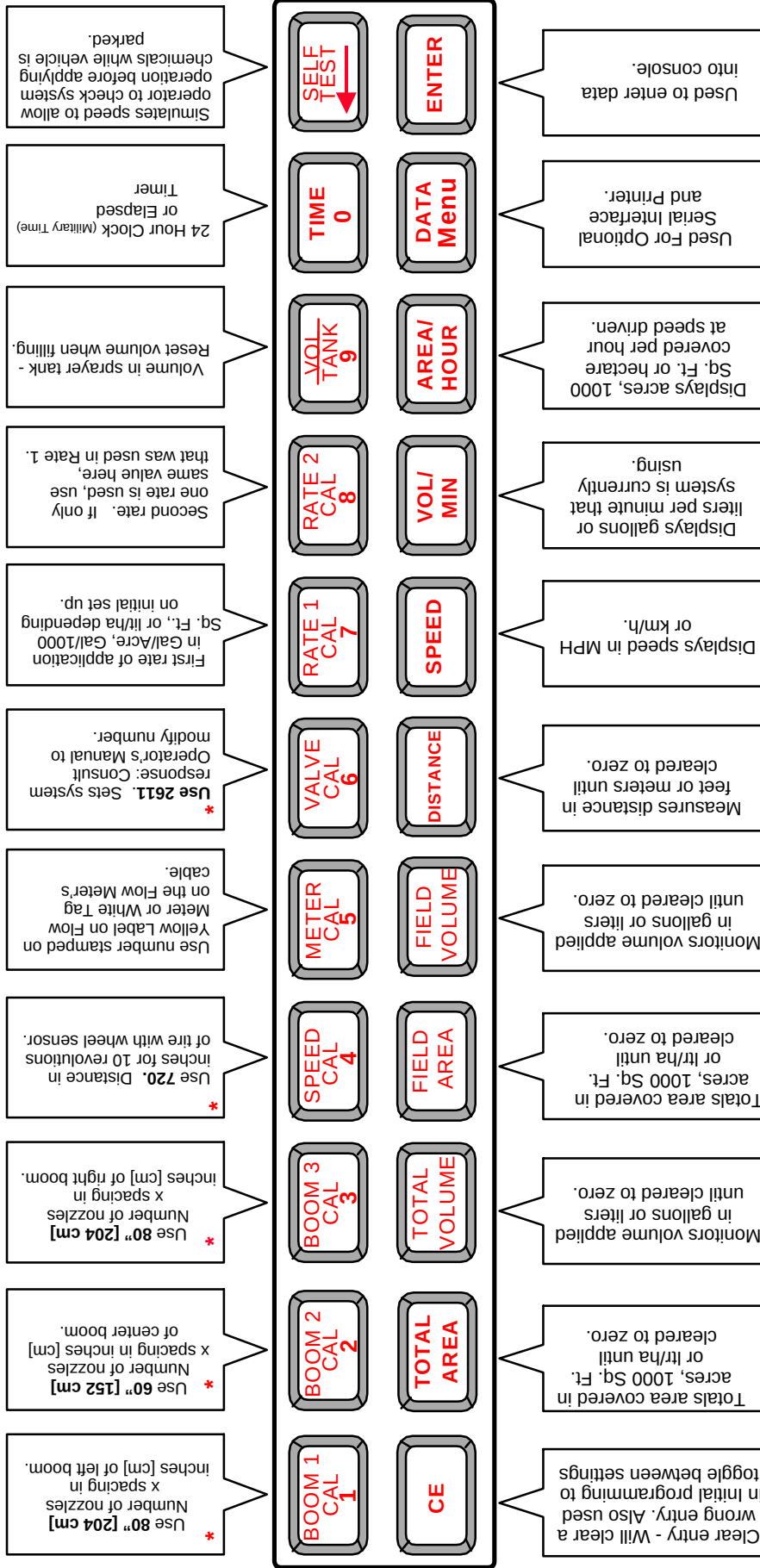
Momentarily depress  until you reach the (C-Sd) setting.
Momentarily depress  to lock in your setting.

Refer to page 11 to complete console programming.

Multi Pro® 1100 & 5200 PRO CONTROL SPRAY SYSTEM

Side B

***Calibration numbers listed are for reference only. Before spraying, check your sprayer to confirm the numbers used are correct.**



Programming

- (1) Depress the key in which you wish to enter data (i.e. "Boom 1 Cal", "Speed Cal", etc.)
- (2) Depress ENTER.
- (3) Depress the keys corresponding to the number you wish to enter (i.e. "2", "4", etc.)
- (4) Complete the entry by again depressing the ENTER key.

Consult Operator's Manual For Full Details on Set-Up and Operation



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WORKMAN® PRO CONTROL SPRAY SYSTEM

INITIAL CONSOLE PROGRAMMING Side A

When you first turn on Console power, after all installation procedures have been completed, the Console will flash "CAL" in the RATE display. This means you must "calibrate" or program the Console before it can be operated. (This is a one-time operation which does not have to be repeated. Turning OFF the POWER ON/OFF Switch does not affect the Console memory. All data is retained.)

The following steps must be followed:

If an entry selection error is made during steps 1,2 or 3, the Console can be reset by depressing  for 20 seconds (data displays US.), on Console Model 063019531. On Console Model 063017269, turn power off, hold  and power on at the same time to reset programming.

Step 1

Selecting US (Acres), SI [Hectares], or TU {1,000 Sq. Ft.}

- (a) Momentarily depress  until you reach the desired setting (US, SI or TU).
- (b) Once the desired setting has been reached, momentarily depress  to lock in your selection. The DATA display will now display SP1.

Step 2

Selecting SP1 & 3 (Wheel Drives, etc.) or SP2 (Radar Sensor).

NOTE: THE TORO WORKMAN® USES THE WHEEL DRIVE SETTING "SP1", THEREFORE YOUR ENTRY SHOULD BE SP1.

Momentarily depress  until you reach the (SP1) setting, then momentarily depress  to lock in your setting.

Step 3 *Note: Step 3 may be needed on some Consoles. If not continue to back of this card.*

Momentarily depress  until you reach the (C-Sd) setting.

Momentarily depress  to lock in your setting.

Refer to Page 14 to complete console programming.

WORKMAN® PRO CONTROL SPRAY SYSTEM

Side B

**Calibration numbers listed are for reference only. Before spraying, check your sprayer to confirm the numbers used are correct.*

BOOM 1 CAL 1	BOOM 2 CAL 2	BOOM 3 CAL 3	SPEED CAL 4	METER CAL 5	VALVE CAL 6	RATE 1 CAL 7	RATE 2 CAL 8	VOL/TANK 9	TIME 0	SELF TEST
CE	TOTAL AREA	TOTAL VOLUME	FIELD AREA	FIELD VOLUME	DISTANCE	SPEED	VOL/ MIN	AREA/ HOUR	DATA Menu	ENTER

Use 80" [204 cm] Number of nozzles x spacing in inches [cm] of left boom.

Use 60" [152 cm] Number of nozzles x spacing in inches [cm] of center boom.

Use 80" [204 cm] Number of nozzles x spacing in inches [cm] of right boom.

* Use 690 For 23" Tires, Consult Operator's Manual For Detailed Instructions.

Use number stamped on Meter or White Tag Yellow Label on Flow cable.

* Use 2611. Sets system response: Consult Operator's Manual to modify number.

First rate of application in Gal/Acre, Gal/1000 Sq. Ft., or ltr/ha depending on initial set up.

Second rate. If only one rate is used, use that was used in Rate 1.

Volume in sprayer tank - Reset volume when filling.

24 Hour Clock (Military Time) or Elapsed Timer

Simulates speed to allow operator to check system chemicals while vehicle is parked.

Clear entry - Will clear a wrong entry. Also used in initial programming to toggle between settings

Totals area covered in acres, 1000 Sq. Ft. or ltr/ha until cleared to zero.

Monitors volume applied in gallons or liters until cleared to zero.

Measures distance in feet or meters until cleared to zero.

Displays speed in MPH or km/h.

Displays gallons or liters per minute that system is currently using.

Displays acres, 1000 Sq. Ft. or hectare covered per hour at speed driven.

Used For Optional Serial Interface and Printer.

Used to enter data into console.

Programming

- (1) Depress the key in which you wish to enter data (i.e. "Boom 1 Cal", "Speed Cal", etc.)
- (2) Depress ENTER.
- (3) Depress the keys corresponding to the number you wish to enter (i.e. "2" , "4" , etc.)
- (4) Complete the entry by again depressing the ENTER key.

Consult Operator's Manual For Full Details on Set-Up and Operation

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Rev. 7/10/98

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MULTI PRO 5500 INITIAL CONSOLE PROGRAMMING

Side A

When you first turn on Console power, after all installation procedures have been completed, the Console will flash "CAL" in the RATE display. This means you must "calibrate" or program the Console before it can be operated. (This is a one-time operation which does not have to be repeated. Turning OFF the POWER ON/OFF Switch does not affect the Console memory. All data is retained.)

The following steps must be followed:

If an entry selection error is made during steps 1,2 or 3, the Console can be reset by turning power switch off, depress and hold  and turn the power switch on at the same time.

Step 1

Selecting US (Acres), SI [Hectares], or TU {1,000 Sq. Ft.}

- (a) Momentarily depress  until you reach the desired setting (US, SI or TU).
- (b) Once the desired setting has been reached, momentarily depress  to lock in your selection. The DATA display will now display SP1.

Step 2

Select Wheel Drive SP3.

- (a) Momentarily depress  until you reach the desired setting of SP3.
- (b) Once the desired setting has been reached, momentarily depress  to lock in your selection.

Step 3

Set the control switch on the hydraulic control valve to "F" (fast) position. (The hydraulic control valve is the blue or black plastic box mounted on top of the centrifugal pump behind the left rear wheel).

Refer to Page 17 to complete console programming.

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7/10/98 S.D.

Side B

Multi Pro® 5500 PRO CONTROL SPRAY SYSTEM

***Calibration numbers listed are for reference only. Before spraying, check your sprayer to confirm the numbers used are correct.**

BOOM 1 CAL 1	BOOM 2 CAL 2	BOOM 3 CAL 3	SPEED CAL 4	METER CAL 5	VALVE CAL 6	RATE 1 CAL 7	RATE 2 CAL 8	VOL/TANK 9	TIME 0	SELF TEST	CE	TOTAL AREA	TOTAL VOLUME	FIELD AREA	FIELD VOLUME	DISTANCE	SPEED	VOL/ MIN	AREA/ HOUR	DATA Menu	ENTER
* Use 80" [204 cm] Number of nozzles x spacing in inches [cm] of left boom.	* Use 60" [152 cm] Number of nozzles x spacing in inches [cm] of center boom.	* Use 80" [204 cm] Number of nozzles x spacing in inches [cm] of right boom.	* Use 148 w/1/2 Full Tank Reset Distance readout to "0". Drive Vehicle 500 ft. Verify distance readout is 490-510 feet.	Use number stamped on Yellow Label on Flow Meter or White Tag on the Flow Meter's cable.	* Use 111. Sets system response.	First rate of application in Gall/Acre, Cal/1000 Sq. Ft., or litr/ha depending on initial set up.	Second rate. If only one rate is used, use same value here, that was used in Rate 1.	Volume in sprayer tank - Reset volume when filling.	24 Hour Clock (Military Time) or Elapsed Timer	Simulates speed to allow operator to check system operation before applying chemicals while vehicle is parked.											
Clear entry - Will clear a wrong entry. Also used in initial programming to toggle between settings	Totals area covered in acres, 1000 Sq. Ft. or litr/ha until cleared to zero.	Monitors volume applied in gallons or liters until cleared to zero.	Totals area covered in acres, 1000 Sq. Ft. or litr/ha until cleared to zero.	Monitors volume applied in gallons or liters until cleared to zero.	Measures distance in feet or meters until cleared to zero.	Displays speed in MPH or km/h.	Displays gallons or liters per minute that system is currently using.	Displays acres, 1000 Sq. Ft. or hectare covered per hour at speed driven.	Used For Optional Serial Interface and Printer.	Used to enter data into console.											

Programming

- (1) Depress the key in which you wish to enter data (i.e. "Boom 1 Cal", "Speed Cal", etc.)
- (2) Depress ENTER.
- (3) Depress the keys corresponding to the number you wish to enter (i.e. "2", "4", etc.)
- (4) Complete the entry by again depressing the ENTER key.

Consult Operator's Manual For Full Details on Set-Up and Operation



This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Performance Verification
Multi Pro[®] 1100 & Workman[®] Sprayers
Set Up Instructions in Gallons Per Acre
Manual Spray System &
Standard Electric Sprayer System

Refer To Your Operators Manual For Complete and Detailed Instructions.
Follow all Safety Instructions .

Determine Desired Application Rate From Manufacturers Labeling_____ G.P.A.

Determine a Vehicle Application Speed _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") 20"

Determine Gallons Per Minute_____ G.P.M. (See Nozzle Mfg.'s Chart)
and Use The Following Formula to verify

$$\frac{\text{G.P.A.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{5940} = \frac{\text{_____} \times \text{_____} \times \text{20}}{5940} = \text{_____ G.P.M.}$$

Select Nozzle Size (See Nozzle Mfg.'s Chart) _____ based on G.P.M.

Determine Application Pressure_____ P.S.I. (See Nozzle Mfg.'s Chart)

Set Up Spray System

Set Parking Brake.

Verify Correct Tire Pressure

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Install Correct Nozzles.

Open Suction and Agitation Valve Handles.

Set Engine Throttle **3/4** Full.

Engage Pump Lever.

Turn Booms On.

Set Pressure To Selected Application Pressure _____ P.S.I. .

Adjust Each Throttling Valve for Proper Pressure.

Visually Inspect The Output Of All Nozzles.

Drive Vehicle at Selected Application Speed.

Record Engine RPM at Application Speed, _____ RPM.

Verify Spray Pressure is at Desired Level.

Turn Booms Off.

Disengage Pump Lever.

Perform Rate Check.

Rate Check

Verify G.P.A. application rate via 1/128th Acre Method

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____seconds.

Park Vehicle. **SET PARKING BRAKE.**

Engage pump, turn on all booms and maintain the same engine RPM used to drive the test course and maintain the application rate pressure. Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

_____ oz = _____ G.P.A.

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ - 5%
 Average _____ x 1.05 = _____ + 5%
 (GPA Range)

Performance Verification **Multi Pro[®] 1100 & Workman[®] Sprayers**

Set Up Instructions in Gallons Per 1,000 sq. ft.

Manual Spray System & Standard Electric Sprayer System

Refer To Your Operators Manual For Complete and Detailed Instructions.

Follow all Safety Instructions .

Determine Desired Application Rate From Manufacturers Labeling_____ G.P. 1,000 sq. ft.

Determine a Vehicle Application Speed _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") 20"

Determine Gallons Per Minute_____ G.P.M. (**See Nozzle Mfg.'s Chart**)
and Use The Following Formula to verify

$$\frac{\text{G.P. 1,000 sq. ft.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{136}$$

$$\frac{\quad \times \quad \times 20}{136} = \quad \text{G.P.M.}$$

Select Nozzle Size (**See Nozzle Mfg.'s Chart**) _____ based on G.P.M.

Determine Application Pressure_____ P.S.I. . (**See Nozzle Mfg.'s Chart**)

Set Up Spray System

Park Vehicle and Set Parking Brake.

Verify Correct Tire Pressure.

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Install Correct Nozzles.

Open Suction and Agitation Valve Handles.

Set Engine Throttle **3/4** Full.

Engage Pump Lever.

Turn Booms On.

Set Pressure To Selected Application Pressure _____ P.S.I. .

Adjust Each Throttling Valve for Proper Pressure.

Visually Inspect The Output Of All Nozzles.

Drive Vehicle at Selected Application Speed.

Record Engine RPM at Selected Spraying Speed, _____ RPM.

Verify Spray Pressure is at Desired Level.

Turn Booms Off.

Disengage Pump Lever.

Perform Rate Check.

Rate Check

Verify G.P.A. application rate via 1/128th Acre Method

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____seconds.

Park Vehicle. **SET PARKING BRAKE.**

Engage pump, turn on all booms and maintain the same engine RPM used to drive the test course to maintain the application rate pressure. Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

To convert to G.P. 1,000 sq. ft.

$$\frac{\text{G.P.A.}}{43.56} = \text{G.P. 1,000 sq. ft.}$$

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within $\pm 5\%$ Of The Average Of All Nozzles

Replace Each Nozzle Not $\pm 5\%$ Of The Average Range

Replace All Nozzles If Two or More Are Not Within The $\pm 5\%$ Range

#1	oz/GPA	#1	oz/GPA
#2	oz/GPA	#2	oz/GPA
#3	oz/GPA	#3	oz/GPA
#4	oz/GPA	#4	oz/GPA
#5	oz/GPA	#5	oz/GPA
#6	oz/GPA	#6	oz/GPA
#7	oz/GPA	#7	oz/GPA
#8	oz/GPA	#8	oz/GPA
#9	oz/GPA	#9	oz/GPA
#10	oz/GPA	#10	oz/GPA
#11	oz/GPA	#11	oz/GPA
Total		Total	
	÷11		÷11
Average	oz/GPA	Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ ÷ 43.56 = _____ - 5% G.P. 1,000 sq. ft.

Average _____ x 1.05 = _____ ÷ 43.56 = _____ + 5% G.P. 1,000 sq. ft.
(GPA Range) (GP 1,000 sq. ft. Range)

Performance Verification

Multi Pro[®] 1100 & Workman[®] Sprayers

Set Up Instructions in Gallons Per Acre

With Pro Control[™] Sprayer System

Refer To Your Operators Manual For Complete and Detailed Instructions.
Follow all Safety Instructions .

Determine Desired Application Rate From Manufacturers Labeling_____ G.P.A.

Determine a Vehicle Application Speed _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") 20"

Determine Gallons Per Minute _____ G.P.M. (See Nozzle Mfg.'s Chart)
and Use The Following Formula to verify

$$\frac{\text{G.P.A.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{5940}$$
$$\frac{\quad \times \quad \times 20}{5940} = \quad \text{G.P.M.}$$

Select Nozzle Size (See Nozzle Mfg.'s Chart) _____ based on G.P.M.

Determine Application Pressure_____ P.S.I . (See Nozzle Mfg.'s Chart)

Set Up Spray System

Set Parking Brake.

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction, Bypass, and Agitation Valve Handles.

Program Pro Control[™] Console

Drive Vehicle at Selected Spraying Speed _____ MPH.

Engage Pump Lever.

Turn Booms On.

Visually Inspect The Output Of All Nozzles.

Record Engine RPM at Selected Spraying Speed, _____ RPM.

Verify Pro Control Will Hold Preset Rate At Selected Speed.

Turn Booms Off.

Disengage Pump Lever.

Perform Rate Check.

High application rates may necessitate the reduction of bypass volume to maintain application pressure.

Rate Check

Verify G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank of water at selected application speed and record the time it takes to drive 204 feet. _____seconds.

Park Vehicle. **SET PARKING BRAKE.**

Engage pump, turn on all booms and maintain the same engine RPM used to drive the test course to maintain the application rate pressure.

Set Pro Control in Self Test Mode (enter your application speed).

Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce of fluid collected equals a 1 gallon per acre application rate.

_____oz = _____G.P.A.

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ - 5%
 Average _____ x 1.05 = _____ + 5%
 (GPA Range)

Performance Verification

Multi Pro[®] 1100 & Workman[®] Sprayers

Set Up Instructions in Gallons Per 1,000 sq. ft.

With Pro Control[™] Sprayer System

Refer To Your Operators Manual For Complete and Detailed Instructions.

Follow all Safety Instructions.

Determine Desired Application Rate From Manufacturers Labeling _____ G.P. 1,000 sq. ft.

Determine a Vehicle Application Speed _____ M.P.H.

Verify Nozzle Spacing (TORO Sprayers are set at 20") 20"

Determine Gallons Per Minute _____ G.P.M. (See Nozzle Mfg.'s Chart)
and Use The Following Formula to verify

$$\frac{\text{G.P. 1,000 sq. ft.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{136}$$
$$\frac{\quad \times \quad \times 20}{136} = \quad \text{G.P.M.}$$

Select Nozzle Size (See Nozzle Mfg.'s Chart) _____ based on G.P.M.

Determine Application Pressure _____ P.S.I. (See Nozzle Mfg.'s Chart)

Set Up Spray System

Set Parking Brake.

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction, Bypass, and Agitation Valve Handles.

Program Pro Control[™] Console

Drive Vehicle at Selected Spraying Speed.

Engage Pump Lever.

Turn Booms On.

Visually Inspect The Output Of All Nozzles.

Record Engine RPM at Selected Spraying Speed _____ R.P.M..

Verify Pro Control Will Hold Preset Rate At Selected Speed.

Turn Booms Off.

Disengage Pump Lever.

Perform Rate Check.

High application rates may necessitate the reduction of bypass volume to maintain application pressure.

Rate Check

Verify G.P.A. application rate via 1/128th Acre Method

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. seconds.

Park Vehicle. **SET PARKING BRAKE.**

Engage pump, turn on all booms and maintain the same engine RPM used to drive the test course and maintain the application rate pressure.

Set Pro Control in Self Test Mode (enter your application speed).

Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

To convert to G.P. 1,000 sq. ft.

$$\frac{\text{G.P.A.}}{43.56} = \text{G.P. 1,000 sq. ft.}$$

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within $\pm 5\%$ Of The Average Of All Nozzles

Replace Each Nozzle Not $\pm 5\%$ Of The Average Range

Replace All Nozzles If Two or More Are Not Within The $\pm 5\%$ Range

#1	oz/GPA	#1	oz/GPA
#2	oz/GPA	#2	oz/GPA
#3	oz/GPA	#3	oz/GPA
#4	oz/GPA	#4	oz/GPA
#5	oz/GPA	#5	oz/GPA
#6	oz/GPA	#6	oz/GPA
#7	oz/GPA	#7	oz/GPA
#8	oz/GPA	#8	oz/GPA
#9	oz/GPA	#9	oz/GPA
#10	oz/GPA	#10	oz/GPA
#11	oz/GPA	#11	oz/GPA
Total		Total	
	÷11		÷11
Average	oz/GPA	Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ ÷ 43.56 = _____ - 5% G.P. 1,000 sq. ft.

Average _____ x 1.05 = _____ ÷ 43.56 = _____ + 5% G.P. 1,000 sq. ft.
(GPA Range) (GP 1,000 sq. ft. Range)

Performance Verification

Multi Pro® 5200

Standard Sprayer System

Set Up Gallons Per Acre

*Refer To Your Operators Manual For Complete and Detailed Instructions.
Follow all Safety Instructions .*

Determine Desired Application Rate From Manufacturers Labeling _____ G.P.A.

Determine a Vehicle Application Speed of _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") **20"**

Determine Gallons Per Minute _____ G.P.M. (See Nozzle Mfg. Chart)
and Use The Following Formula to verify

$$\frac{\text{G.P.A.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{5940}$$
$$\frac{\quad \times \quad \times 20}{5940} = \quad \text{G.P.M.}$$

Select Nozzle Size (**See Nozzle Mfg. Chart**) _____ based on G.P.M.

Determine Application Pressure _____ P.S.I. . (**See Nozzle Mfg. Chart**)

Set Up Spray System

Park Vehicle and Set Parking Brake

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction and Agitation Valve Handles.

Set Engine at Full Throttle.

Turn Pump ON.

Turn Booms ON.

Set Pressure To _____ P.S.I. .

Visually Check Output At Nozzles.

Turn Booms and Pump Off.

Perform Rate Check.

Rate Check

Determine G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____seconds.

Park Vehicle. **SET PARKING BRAKE.**

Turn on all Booms and maintain application pressure _____ P.S.I.. Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

_____oz = _____ G.P.A.

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ - 5% G.P.A.

Average _____ x 1.05 = _____ + 5% G.P.A.
(GPA Range)

Performance Verification

Multi Pro 5200

Standard Sprayer System

Set Up Gallons Per 1,000 sq. ft.

Refer To Your Operators Manual For Complete and Detailed Instructions.

Follow all Safety Instructions .

Determine Desired Application Rate From Manufacturers Labeling _____ G.P. 1,000 sq. ft.

Determine a Vehicle Application Speed of _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") **20"**

Determine Gallons Per Minute _____ G.P.M. (**See Nozzle Mfg. Chart**)
and Use The Following Formula to verify

$$\frac{\text{G.P. 1,000 sq. ft.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{136}$$

$$\frac{\quad \times \quad \times 20}{136} = \quad \text{G.P.M.}$$

Select Nozzle Size (**See Nozzle Mfg. Chart**) _____ based on G.P.M.

Determine Application Pressure _____ P.S.I. . (**See Nozzle Mfg. Chart**)

Set Up Spray System

Park Vehicle and Set Parking Brake

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction and Agitation Valve Handles.

Set Engine at Full Throttle.

Turn Pump ON.

Turn Booms ON.

Set Pressure To _____ P.S.I. .

Visually Check Output At Nozzles.

Turn Booms and Pump Off.

Perform Rate Check.

Rate Check

Determine G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____seconds.

Park Vehicle. **SET PARKING BRAKE.**

Turn on all Booms and maintain application pressure _____ P.S.I.. Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

Convert G.P.A. to G.P. 1,000 sq. ft. _____ G.P.A. = _____ G.P. 1,000 sq. ft.
43.56

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ ÷ 43.56 = _____ - 5% G.P. 1,000 sq. ft.

Average _____ x 1.05 = _____ ÷ 43.56 = _____ + 5% G.P. 1,000 sq. ft.
(GPA Range) (GP 1,000 sq. ft. Range)

Performance Verification

Multi Pro® 5200

With Pro Control™ Sprayer System

Set Up Gallons Per Acre

Refer To Your Operators Manual For Complete and Detailed Instructions.

Follow all Safety Instructions.

Determine Desired Application Rate From Manufacturers Labeling _____ G.P.A.

Determine a Vehicle Application Speed of _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") **20"**

Determine Gallons Per Minute _____ G.P.M. (**See Nozzle Mfg. Chart**)
and Use The Following Formula to verify

$$\frac{\text{G.P.A.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{5940}$$
$$\frac{\quad \times \quad \times 20}{5940} = \quad \text{G.P.M.}$$

Select Nozzle Size (**See Nozzle Mfg. Chart**) _____ based on G.P.M.

Determine Application Pressure _____ P.S.I. (**See Nozzle Mfg. Chart**)

Set Up Spray System

Park Vehicle and Set Parking Brake

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction and Agitation Valve Handles.

Program Pro Control Console

Set Engine at Full Throttle.

Drive Vehicle at Selected Speed of Application.

Turn Pump ON.

Turn Booms ON.

Visually Check Output At Nozzles.

Verify Pro Control Will Hold Preset Rate at Selected Speed

Turn Booms and Pump Off.

Perform Rate Check.

Rate Check

Determine G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____ seconds.

Park Vehicle, **SET PARKING BRAKE.**

Set Pro Control in Self Test Mode.

Turn on all Booms and maintain application pressure _____ P.S.I.. Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

_____ oz = _____ G.P.A.

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ - 5% G.P.A.

Average _____ x 1.05 = _____ + 5% G.P.A.
(GPA Range)

Performance Verification

Multi Pro® 5200

With Pro Control™ Sprayer System

Set Up Gallons 1,000 sq. ft.

*Refer To Your Operators Manual For Complete and Detailed Instructions.
Follow all Safety Instructions.*

Determine Desired Application Rate From Manufacturers Labeling _____ G.P. 1,000 sq. ft.

Determine a Vehicle Application Speed of _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") **20"**

Determine Gallons Per Minute _____ G.P.M. (See Nozzle Mfg. Chart)
and Use The Following Formula to verify

$$\frac{\text{G.P. 1,000 sq. ft.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{136}$$
$$\frac{\text{_____} \times \text{_____} \times 20}{136} = \text{_____ G.P.M.}$$

Select Nozzle Size (See Nozzle Mfg. Chart) _____ based on G.P.M.

Determine Application Pressure _____ P.S.I. (See Nozzle Mfg. Chart)

Set Up Spray System

Park Vehicle and Set Parking Brake

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction and Agitation Valve Handles.

Program Pro Control Console.

Set Engine at Full Throttle.

Drive Vehicle at Selected Speed of Application.

Turn Pump ON.

Turn Booms ON.

Visually Check Output At Nozzles.

Verify Pro Control Will Hold Preset Rate at Selected Speed.

Turn Booms and Pump Off.

Perform Rate Check.

Rate Check

Determine G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____ seconds.

Park Vehicle. **SET PARKING BRAKE.**

Set Pro Control in Self Test Mode.

Turn on all Booms and maintain application pressure _____ P.S.I..

Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

Convert G.P.A. to G.P. 1,000 sq. ft.

_____ G.P.A. = _____ G.P. 1,000 sq. ft.
43.56

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ ÷ 43.56 = _____ - 5% G.P. 1,000 sq. ft.

Average _____ x 1.05 = _____ ÷ 43.56 = _____ + 5% G.P. 1,000 sq. ft.
(GPA Range) (GP 1,000 sq. ft. Range)

Performance Verification

Multi Pro[®] 5500

Standard Sprayer System

Set Up For Gallons Per Acre

*Refer To Your Operators Manual For Complete and Detailed Instructions.
Follow all Safety Instructions.*

Determine Desired Application Rate From Manufacturers Labeling _____ G.P.A.

Determine a Vehicle Application Speed of _____ M.P.H.

Verify nozzle spacing (**TORO** Sprayers are set at 20") **20"**

Determine Gallons Per Minute _____ G.P.M. (**See Nozzle Mfg.' Chart**)
and Use The Following Formula To Verify.

$$\frac{\text{G.P.A.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{5940}$$
$$\frac{\text{_____} \times \text{_____} \times 20}{5940} = \text{_____ G.P.M.}$$

Select Nozzle Size (**See Nozzle Mfg. Chart**) _____ based on G.P.M.

Determine Application Pressure (**See Nozzle Mfg. Chart**) _____ P.S.I .

Set Up Spray System

Park Vehicle and Set Parking Brake

Fill tank 1/2 full with clean clear water **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction Valve Handle.

Turn Pump ON.

Turn Booms ON.

Set pressure to _____ P.S.I..

Visually Check Output At Nozzles.

Turn Booms and Pump Off.

Perform Rate Check.

Rate Check

Determine G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a 1/2 full tank at selected speed of application and record the time it takes to drive 204 feet. _____ seconds.

Park Vehicle. **SET PARKING BRAKE.**

Turn on all Booms and maintain _____ P.S.I. (predetermined). Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft.. _____ oz = _____ G.P.A.

Each ounce collected equals a 1 gallon per acre application rate.

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within $\pm 5\%$ Of The Average Of All Nozzles

Replace Each Nozzle Not $\pm 5\%$ Of The Average Range

Replace All Nozzles If Two or More Are Not Within The $\pm 5\%$ Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	$\div 11$			$\div 11$
Average	oz/GPA		Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ - 5% G.P.A.

Average _____ x 1.05 = _____ + 5% G.P.A.
(GPA Range)

Performance Verification

Multi Pro® 5500

Standard Sprayer Set Up Gallons Per 1,000 sq. ft.

Refer To Your Operators Manual For Complete and Detailed Instructions.

Follow all Safety Instructions.

Determine Desired Application Rate From Manufacturers Labeling _____ G.P. 1,000 sq. ft.

Determine a Vehicle Application Speed of _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") **20"**

Determine Gallons Per Minute _____ G.P.M. (**See Nozzle Mfg.'s Chart**)
and Use The Following Formula to verify

$$\frac{\text{G.P. 1,000 sq. ft.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{136}$$

$$\frac{\quad \times \quad \times 20}{136} = \quad \text{G.P.M.}$$

Select Nozzle Size (**See Nozzle Mfg. Chart**) _____ based on G.P.M.

Determine Application Pressure _____ P.S.I. . (**See Nozzle Mfg.'s Chart**)

Set Up Spray System

Park Vehicle and Set Parking Brake

Fill tank ½ full with clean clear water **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction Valve Handle.

Turn Pump ON.

Turn Booms ON.

Set Pressure To _____ P.S.I. .

Visually Check Output At Nozzles.

Turn Booms and Pump Off.

Perform Rate Check.

Rate Check

Determine G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____ seconds.

Park Vehicle, **SET PARKING BRAKE.**

Turn on all Booms and maintain _____ P.S.I. (pre determined). Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

To convert to G.P. 1,000 sq. ft. _____ G.P.A. = _____ G.P. 1,000 sq. ft.
43.56

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ ÷ 43.56 = _____ - 5% G.P. 1,000 sq. ft.

Average _____ x 1.05 = _____ ÷ 43.56 = _____ + 5% G.P. 1,000 sq. ft.
(GPA Range) (GP 1,000 sq. ft. Range)

Performance Verification

Multi Pro[®] 5500

With Pro Control[™]

Set Up For Gallons Per Acre

*Refer To Your Operators Manual For Complete and Detailed Instructions.
Follow all Safety Instructions.*

Determine Desired Application Rate From Manufacturers Labeling _____ G.P.A.

Determine a Vehicle Application Speed Of _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") **20"**

Determine Gallons Per Minute _____ G.P.M. (**See Nozzle Mfg. Chart**)
and Use The Following Formula To Verify.

$$\frac{\text{G.P.A.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{5940}$$

$$\frac{\quad \times \quad \times 20}{5940} = \quad \text{G.P.M.}$$

Select Nozzle Size (**See Nozzle Mfg. Chart**) _____ based on G.P.M.

Set Up Spray System

Park Vehicle and **Set Parking Brake.**

Fill Tank ½ Full With Clean Clear Water. **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction Valve Handle.

Program Pro Control Console.

Drive Vehicle At Selected Speed of Application.

Turn Pump ON.

Turn Booms ON.

Visually Check Output At Nozzles.

Verify Pro Control Will Hold Preset Rate at Selected Speed.

Turn Off Booms and Pump.

Perform Rate Check.

Rate Check

Determine G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____ seconds.

Park Vehicle. **SET PARKING BRAKE.**

Set Pro Control to Self Test mode. Turn on Sprayer Pump and Booms. Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

_____ oz = _____ G.P.A.

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should be Within 5% Of Each Other

Calculate Range

Average _____ x .95 = _____ - 5%
 Average _____ x 1.05 = _____ + 5%
 (GPA Range)

Performance Verification

Multi Pro® 5500

With Pro Control™

Set Up For Gallons Per 1,000 sq. ft.

Refer To Your Operators Manual For Complete and Detailed Instructions.

Follow all Safety Instructions.

Determine Desired Application Rate From Manufacturers Labeling _____ G.P. 1,000 sq. ft.

Determine a Vehicle Application Speed Of _____ M.P.H.

Verify Nozzle Spacing (**TORO** Sprayers are set at 20") 20"

Determine Gallons Per Minute _____ G.P.M. (**See Nozzle Mfg. Chart**)
and Use The Following Formula To Verify.

$$\frac{\text{G.P. 1,000 sq. ft.} \times \text{M.P.H.} \times \text{Nozzle Spacing (inches)}}{136}$$

$$\frac{\quad \times \quad \times 20}{136} = \quad \text{G.P.M.}$$

Select Nozzle Size (**See Nozzle Mfg. Chart**) _____ based on G.P.M.

Set Up Spray System

Park The Vehicle and Set Parking Brake

Fill Tank ½ Full With Clean Clear Water. **Do NOT** add Chemical at this time.

Verify Correct Tire Pressure.

Install Correct Nozzles.

Open Suction Valve Handle.

Program Pro Control Console.

Drive Vehicle At Selected Speed of Application.

Turn Pump ON.

Turn Booms ON.

Visually Check Output At Nozzles.

Verify Pro Control Will Hold Preset Rate At Selected Speed.

Turn Off Booms and Pump.

Perform Rate Check.

Rate Check

Determine G.P.A. application rate via **1/128th Acre Method**

Mark off a test course at 204 feet.

Drive the Sprayer with a ½ full tank at selected speed of application and record the time it takes to drive 204 feet. _____ seconds.

Park Vehicle. **SET PARKING BRAKE.**

Set Pro Control to Self Test mode. Turn on Sprayer Pump and Booms. Hold a graduated cylinder under the far left nozzle on the left boom. Collect the output for the same amount of time that it took to travel 204 ft..

Each ounce collected equals a 1 gallon per acre application rate.

To convert to G.P. 1,000 sq. ft. _____ G.P.A. = _____ G.P. 1,000 sq. ft.
43.56

Repeat Collection Test Twice For Each Nozzle

Proceed through each column separately and completely.

Each Nozzle Should Be Within ± 5% Of The Average Of All Nozzles

Replace Each Nozzle Not ± 5% Of The Average Range

Replace All Nozzles If Two or More Are Not Within The ± 5% Range

#1	oz/GPA		#1	oz/GPA
#2	oz/GPA		#2	oz/GPA
#3	oz/GPA		#3	oz/GPA
#4	oz/GPA		#4	oz/GPA
#5	oz/GPA		#5	oz/GPA
#6	oz/GPA		#6	oz/GPA
#7	oz/GPA		#7	oz/GPA
#8	oz/GPA		#8	oz/GPA
#9	oz/GPA		#9	oz/GPA
#10	oz/GPA		#10	oz/GPA
#11	oz/GPA		#11	oz/GPA
Total			Total	
	÷11			÷11
Average	oz/GPA		Average	oz/GPA

Both Averages Should Be Within 5% Of Each Other

Calculate Range

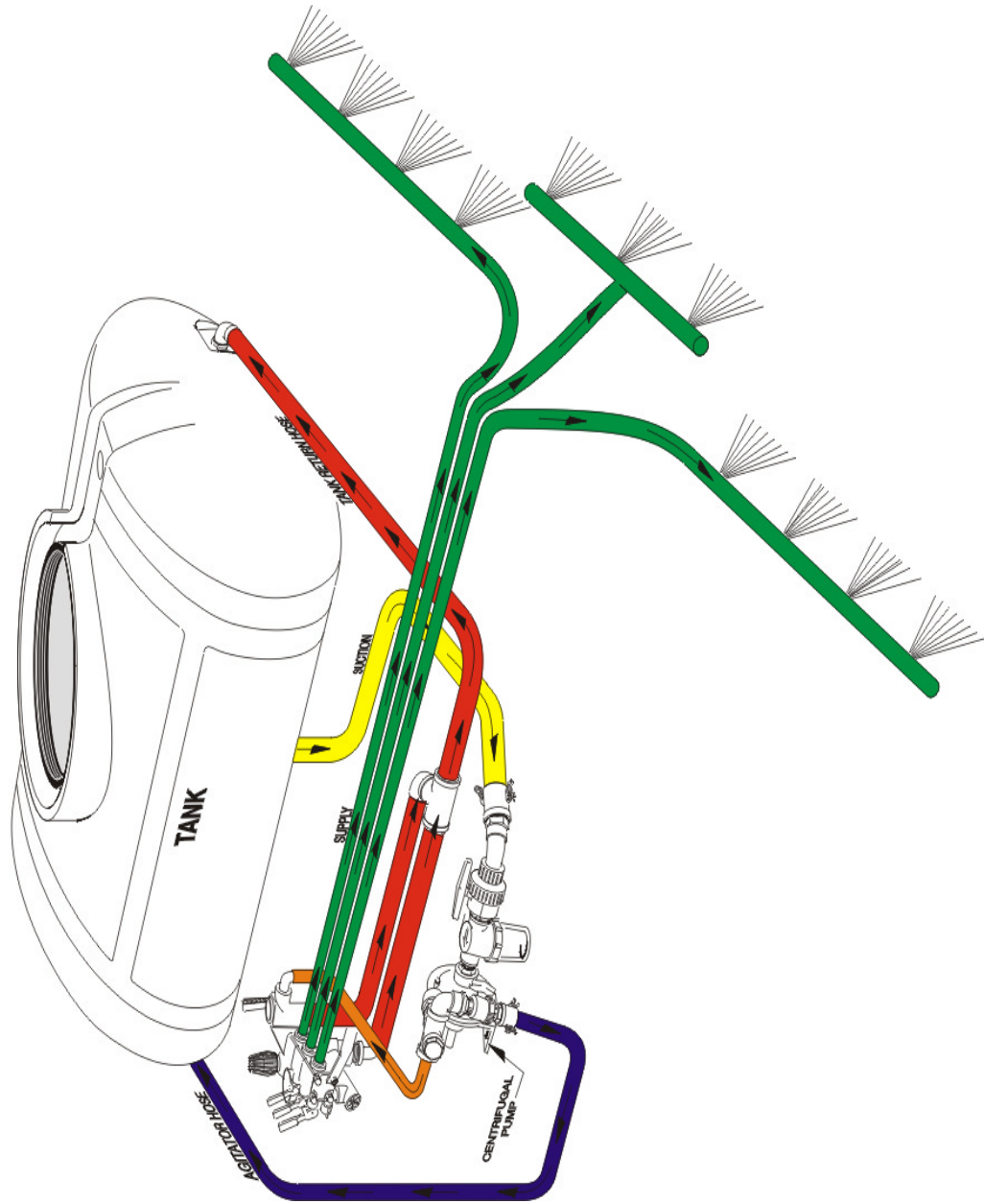
Average _____ x .95 = _____ ÷ 43.56 = _____ - 5% G.P. 1,000 sq. ft.

Average _____ x 1.05 = _____ ÷ 43.56 = _____ + 5% G.P. 1,000 sq. ft.
(GPA Range) (GP 1,000 sq. ft. Range)

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MANUAL VALVE SYSTEM
PLUMBING SCHEMATIC

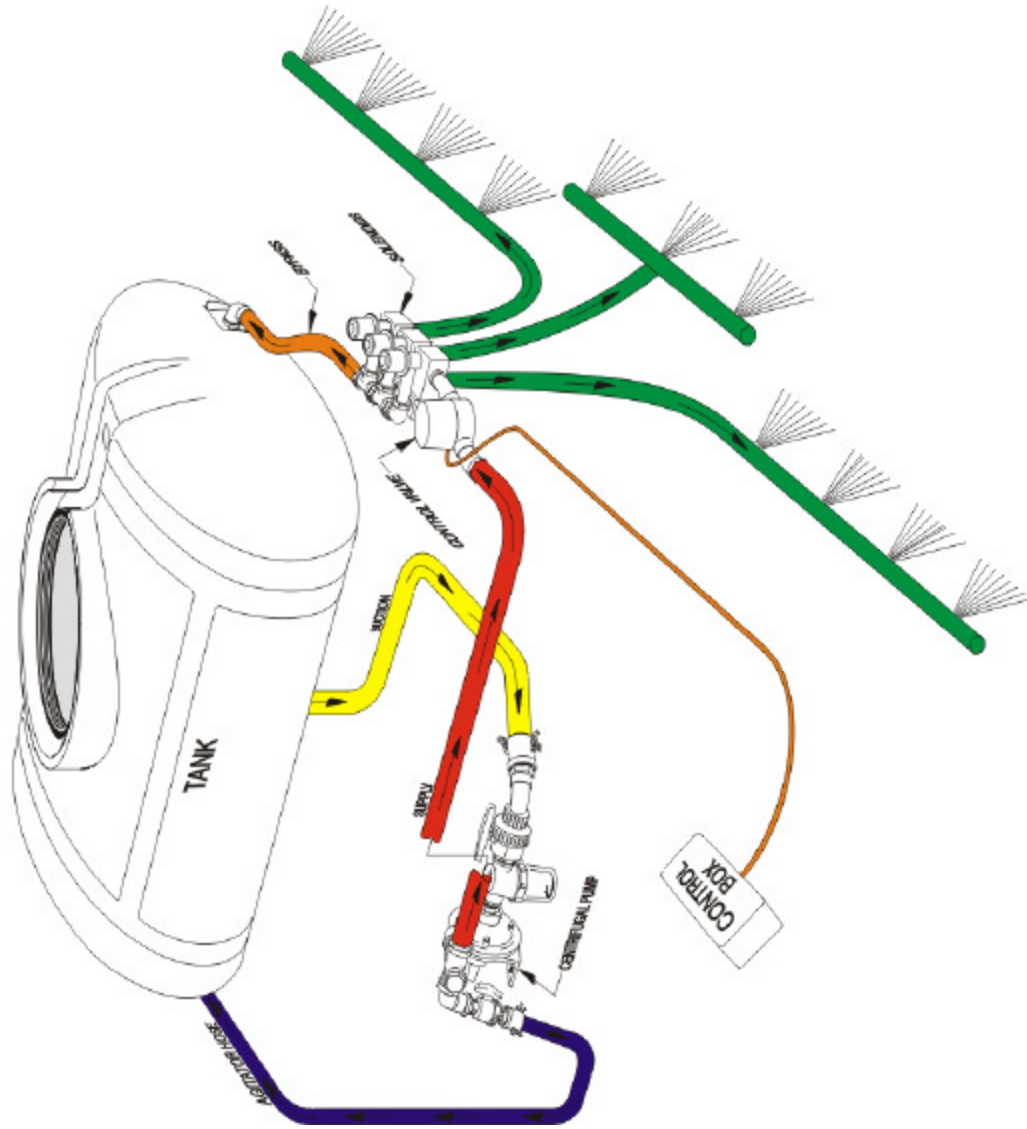
Multi Pro® 1100



[illegible]

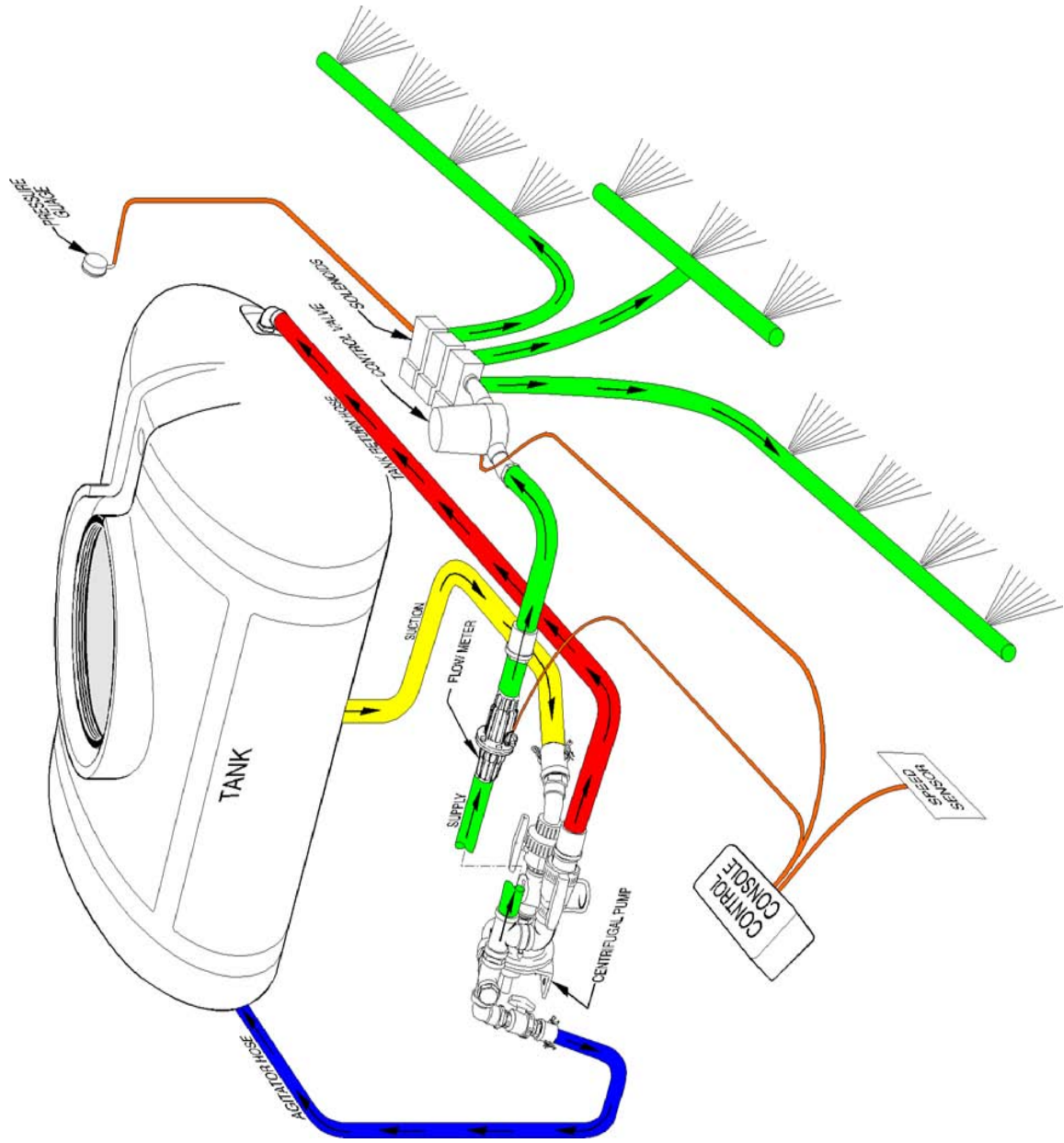
STANDARD ELECTRIC SPRAY SYSTEM
PLUMBING SCHEMATIC

Multi Pro® 1100 and Workman®



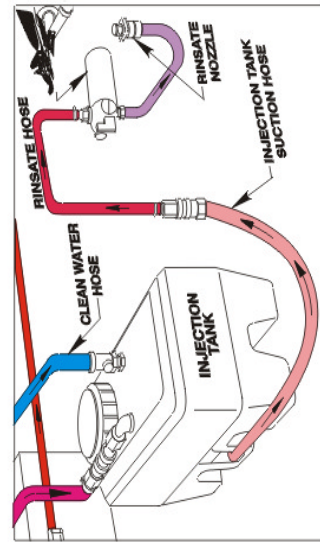
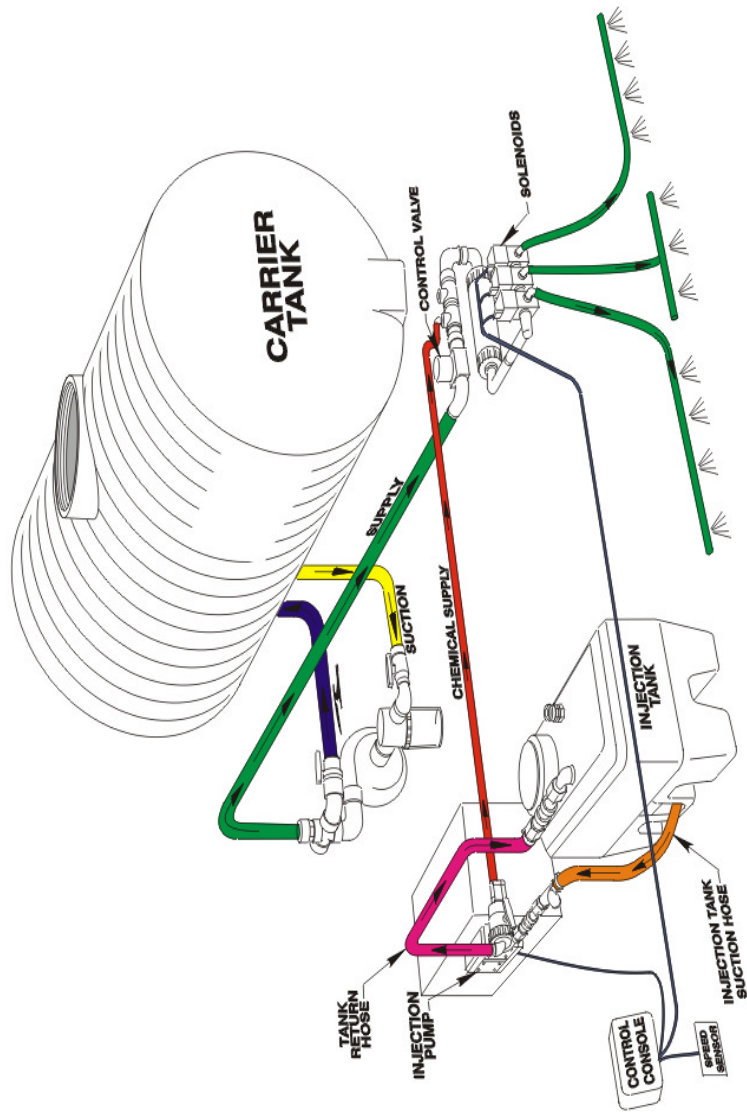
[illegible]

Pro Control™ Multi Pro 1100® & Workman®



[illegible]

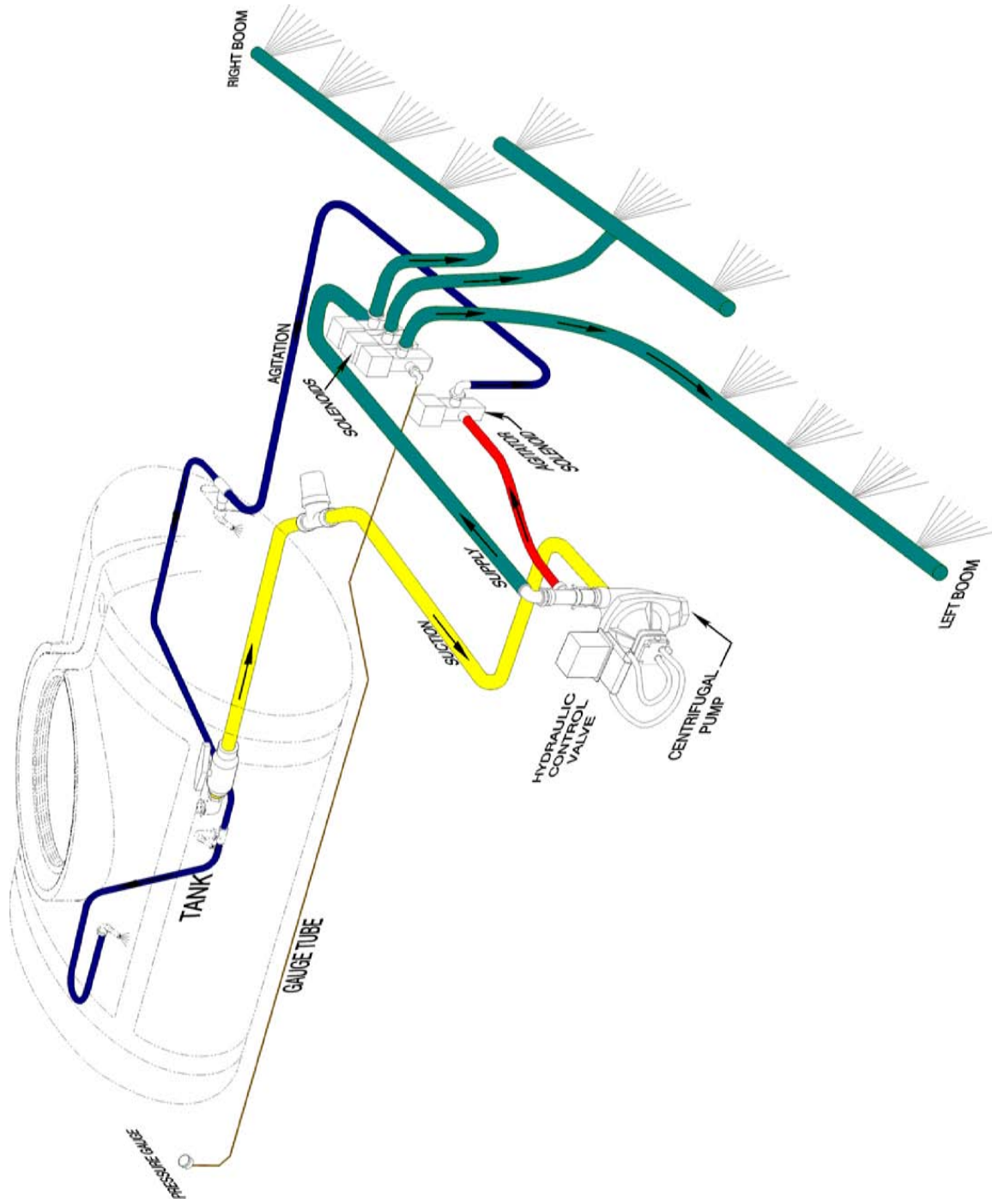
INJECTOR-PRO™ SYSTEM PLUMBING SCHEMATIC (SPRAYING MODE)



RINSING MODE

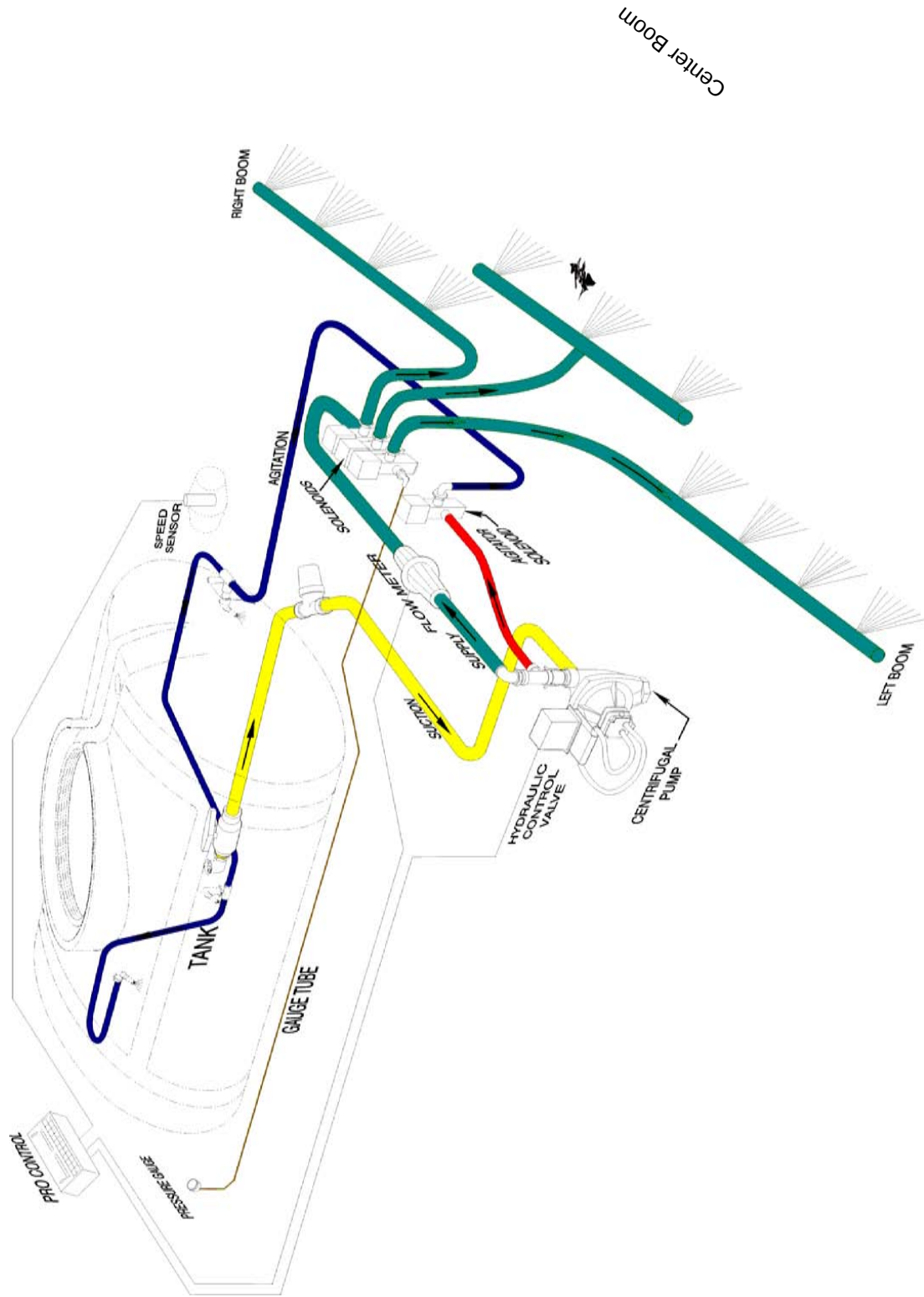
[illegible]

Multi Pro 5500® Standard Electric System



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Multi Pro® 5500 Pro Control™ System



This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Where Does The 5,940 & 136 Come From?

Minutes in Hour X Inches in Foot X Sq. Ft. in Acre
Feet in Mile

$$\frac{60 \times 12 \times 43,560}{5,280} = 5,940 \quad (\text{For Acre})$$

For 1,000 Square Feet

$$\frac{5,940}{43.56} = 136$$

Speed Check (MPH):

$$\frac{.682 \times \text{Feet (Distance)}}{\text{Seconds (Time)}}$$

[illegible]

[illegible]

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