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# VENTURI AIR SPRAYER CALIBRATION CHART

## 2 YELLOW "DIAL-A-RATE" DISCS

### GALLONS PER MINUTE

DISC SETTING	PRESSURE SETTING (PSI)					
	16	22	25	28	33	36
1	0.3	0.3	0.6	0.4	0.4	0.4
2	0.4	0.5	0.5	0.5	0.5	0.6
3	0.5	0.5	0.6	0.6	0.7	0.7
4	0.7	0.7	0.8	0.8	0.9	0.9
5	0.9	1.0	1.0	1.1	1.1	1.2
6	1.0	1.1	1.2	1.2	1.3	1.3
7	1.6	1.6	1.7	1.8	1.9	1.9
8	1.8	1.9	2.1	2.1	2.2	2.3
9	2.3	2.4	2.6	2.7	2.8	2.9
10	2.7	2.8	3.0	3.2	3.3	3.4
11	3.7	3.7	4.0	4.1	4.3	4.4
12	5.0	5.4	5.7	5.9	6.2	6.5
13	6.5	6.8	7.6	7.9	8.3	8.6
14	7.5	7.7	8.3	8.8	9.5	10.1
15	8.8	9.0	10.0	10.6	11.2	12.0

To determine the required pressure setting, you must first determine how many Gallons Per Minute will be required.

$$\frac{\text{Gallons Per Minute} = 2 \times (\text{Miles Per Hour}) \times (\text{Gallons Per Acre}) \times (\text{Width of Area Treated})}{1000}$$

**NOTE for 3-Point Hitch Sprayer Users:**

The lower the sprayer pressure, the greater the agitation. Use the lowest possible pressure to achieve the desired G.P.M. For example, a Dial-A-Rate disc setting of #4 @ 36 P.S.I. and a disc setting of #5 @ 16 P.S.I., both produce approximately 0.9 G.P.M. With Gearmore Venturi Air Sprayers, using a lower pressure does not affect the quality of the spray atomization.

THE VALUES GIVEN IN THIS CHART ARE BASED ON WATER WITH NO ADDITIVES, USING A 4+4 HEAD. CONDITIONS MAY VARY FROM ONE FIELD TO THE NEXT. THE OPERATOR SHOULD ALWAYS CHECK THE ACTUAL RATE OF SPRAY IN THE FIELD BEING TREATED.