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VENTURI AIR SPRAYER CALIBRATION CHART

3 YELLOW "DIAL-A-RATE" DISCS

GALLONS PER MINUTE

DISC SETTING	PRESSURE SETTING (PSI)					
	16	22	25	28	33	36
1	0.3	0.4	0.4	0.4	0.5	0.6
2	0.6	0.7	0.7	0.8	0.8	0.8
3	0.7	0.8	0.8	0.9	1.0	1.0
4	1.0	1.1	1.2	1.2	1.3	1.3
5	1.3	1.5	1.5	1.6	1.7	1.8
6	1.5	1.6	1.7	1.8	1.9	1.9
7	2.3	2.5	2.7	2.8	2.9	3.0
8	2.7	3.0	3.1	3.2	3.4	3.5
9	3.3	3.7	3.8	3.9	4.2	4.3
10	4.1	4.3	4.5	4.6	4.9	5.1
11	5.4	5.8	6.0	6.2	6.6	6.7
12	6.2	7.2	7.8	7.9	8.5	8.7
13	7.3	8.3	8.7	9.0	9.7	10.1
14	8.1	9.1	9.6	10.0	11.0	11.3
15	8.6	9.6	10.4	10.7	11.9	12.4

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

$$\frac{\text{Gallons Per Minute} = 2 \times (\text{Miles Per Hour}) \times (\text{Gallons Per Acre}) \times 20 \text{ Feet}}{1000}$$

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. CONDITIONS MAY VARY FROM ONE FIELD TO THE NEXT. THE OPERATOR SHOULD ALWAYS CHECK THE ACTUAL RATE OF SPRAY IN THE FIELD BEING TREATED.