ENVIROMIST
INDUSTRIES PTY. LTD.

US GALLON APPLICATION RATES

FOR THE ENVIROMIST CDA SPRAY SYSTEM

US GALLONS PER SPRAYED ACRE

MPH	Spraydome 2000	Spraydome 1200	Spraydome 1000	Undavina 900	Spraydome or Undavina 600	Undavina 400	Vegedome
5	1.93	1.72	2.03	1.81	2.15	3.43	1.66
4.5	2.15	1.91	2.26	2.01	2.38	3.81	1.85
4	2.41	2.15	2.54	2.26	2.68	4.29	2.08
3.5	2.76	2.46	2.90	2.59	3.06	4.90	2.37
3	3.22	2.87	3.38	3.02	3.58	5.72	2.77
2.5	3.86	3.44	4.06	3.62	4.29	6.86	3.32
2	4.83	4.30	5.08	4.53	5.36	8.58	4.15
1.5	6.44	5.74	6.77	6.03	7.15	11.44	5.54
1	9.66	8.61	10.15	9.05	10.72	17.16	8.30
Nominal Spray Width (Inches)	82”	46”	39”	35”	24”	15”	31”
Flow Rate (GPH)	8	4	4	3.2	2.6	2.6	2.6

FORMULA:

$$\frac{99 \times \text{GPH}}{\text{MPH} \times \text{Width (Inches)}} = \text{GPA}$$

Question:
How do I calculate the number of acres covered per tank load?
Answer:
Remember the standard tank size is 15.8 Gallons.
Example: 15.8 Gallons ÷ 2.03 GPA (from above chart Spraydome 1000 @ 5 MPH)
= 7.78 Acres Sprayed (Treated Acres)

Now you can calculate the total treated Acres covered per tank mix and amount of chemical needed per tank.

To Calculate Total Crop Acres Covered Per Tank of Mix

_____ Gallon Tank ÷ _____ Gallons per Sprayed Acres = _____ Acres Sprayed per Tank

_____ Sprayed Strip (in Inches) x _____ # Domes = _____ Total Sprayed Strip

_____ Total Sprayed Strip ÷ _____ Row Spacing (in Inches) = _____ % of Crop Acres Covered

_____ Acres Sprayed per Tank ÷ _____ % of Crop Acres = _____ Total Crop Acres Covered per Tank Mix