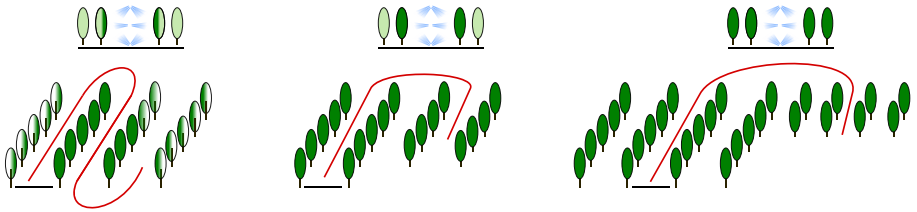
How to Calibrate CIMA Atomizer Sprayer

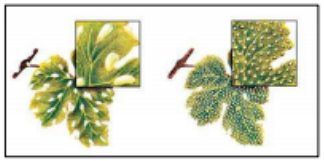
1. **"ER"** Effetive Range - Width in feet of row spacing multiplied by the number of rows being sprayed.



ER=10 Ft. ER=20 Ft. ER=30 Ft.

2. **"MPH"** - Check your actual tractor speed on the terrain you are spraying. Set the tractor throttle at 540 RPM PTO speed, and select a tractor gear comfortable for spraying. Measure the distance traveled in 1 minute, than divide by 88 will equal MPH

3. **"G.P.A"** - CIMA Atomizers with the venturi-style sprayer provides more droplets for coverage using the same amount of water as a high pressure sprayer, Allowing you to use less Gallon Per Acre, on average the ratio is 4:1 The typical grower has found success using only 35 GPA in a controlled canopy with a targeted spray As the canopy fills you may want to increase the G.P.A



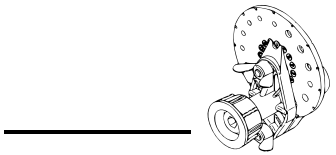
4. **Formula** Answer in G.P.H. (Gallons per Hour).

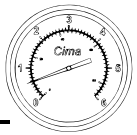
$$\frac{(35_{\text{G.P.A}} \times 3_{\text{M.P.H}} \times 10_{\text{E.R.}} \times 60)}{500} = \mathbf{126\ G.P.H}$$

$$\frac{(_{\text{G.P.A}} \times _{\text{M.P.H}} \times _{\text{E.R.}} \times 60)}{500} = \square$$

5. **Sprayhead Chart** Find the GPH below which most closely matched the number you determined in the formula on the opposite page. Set the pressure gauge and the yellow metering discs accordingly.

SPRAYHEAD CHART





6. **Mixture Dosage** - For application amount consult the label of the chemical that is being applied. Example :(X lb's) Per Acre. Simply mix that amount in the GPA amount chosen during the Calibration to apply.