

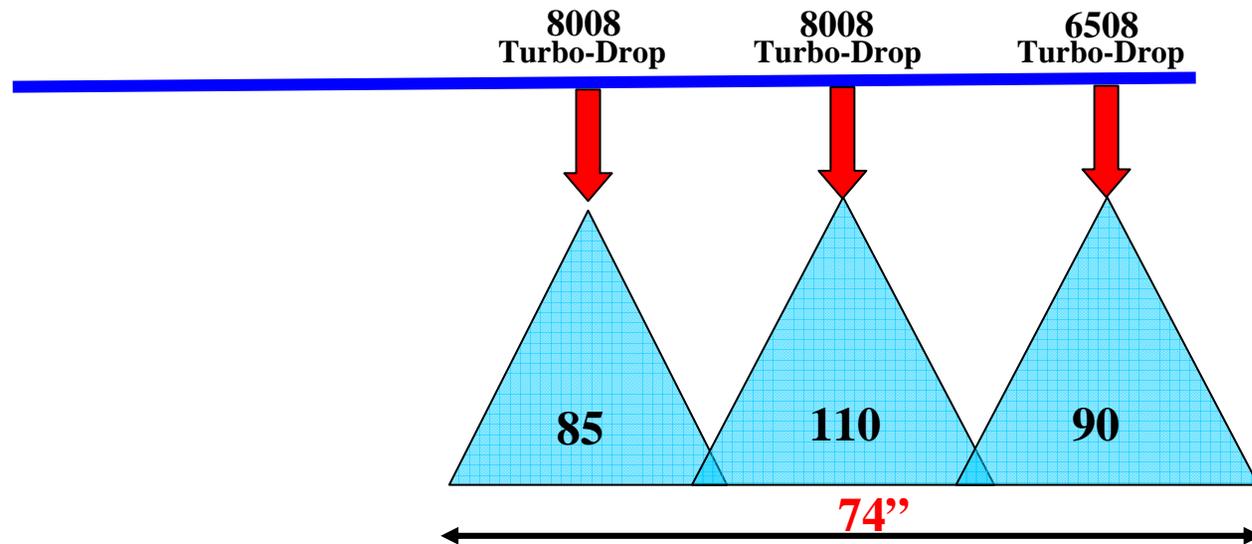
Calibrating your Fixture Boom

Step 1: Select the nozzles you know you will be using for your application

Step 2: With drift control in the main tank, collect the fluid out of each nozzle selected for a period of 60 seconds and record the volume in fluid ounces

Step 3: Record the spray width of the selected nozzles.

Step 4: Do the math.

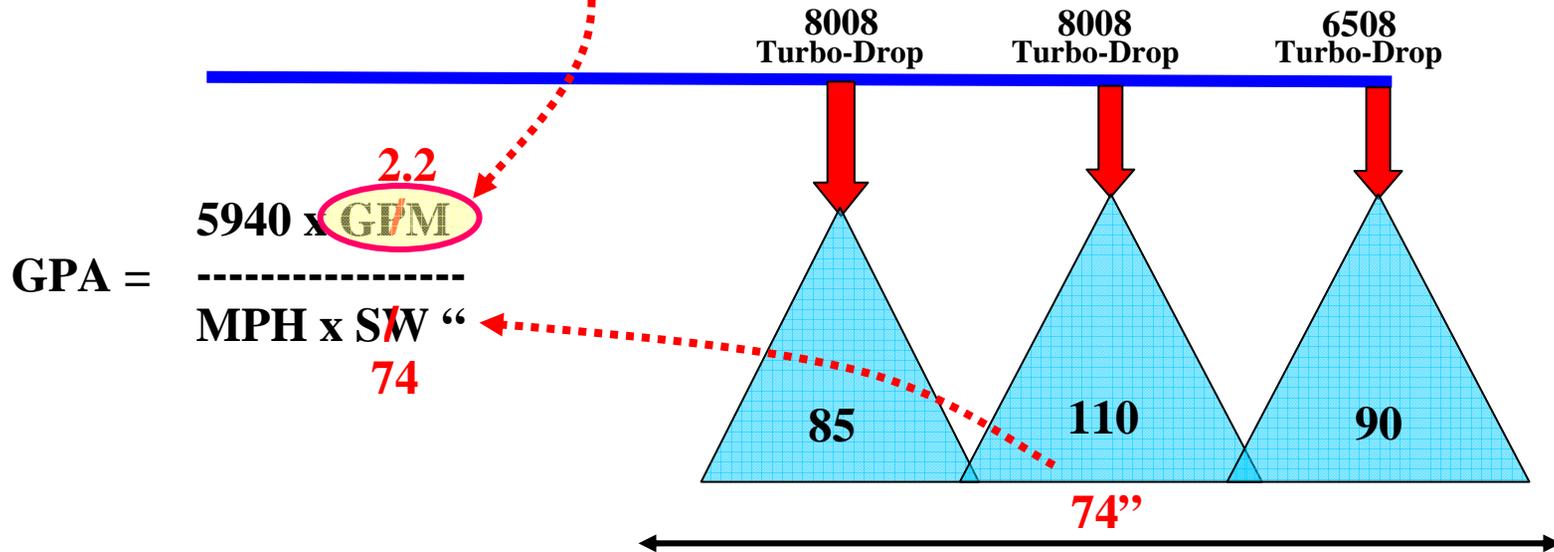


Calibrating your Fixture Boom (contd.)

$$\begin{array}{r} 85 + \\ 110 + \\ \hline 90 = \\ \hline \mathbf{285 \text{ Fl Oz / Minute}} \end{array}$$

285 divided by 128 fl oz per gallon = **2.2 GPM**

Now, plug these numbers into the Formula:

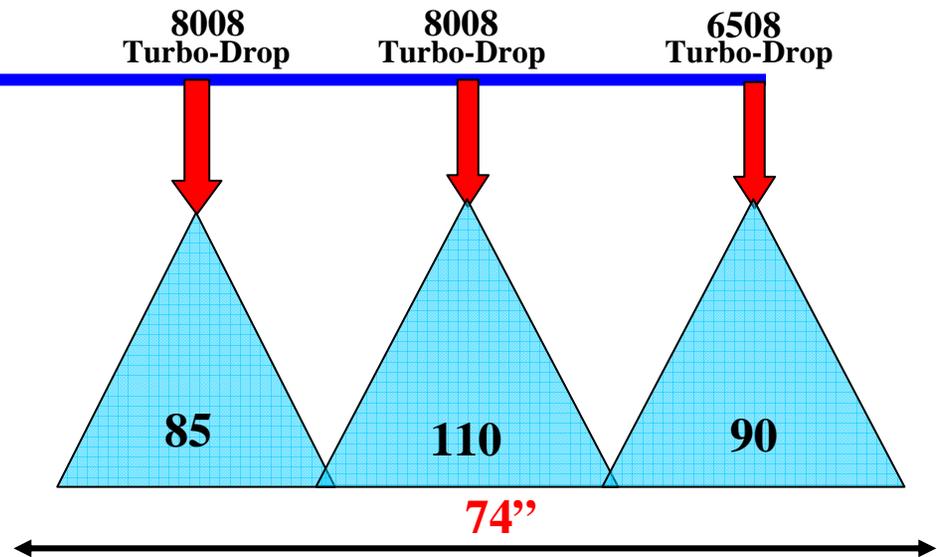
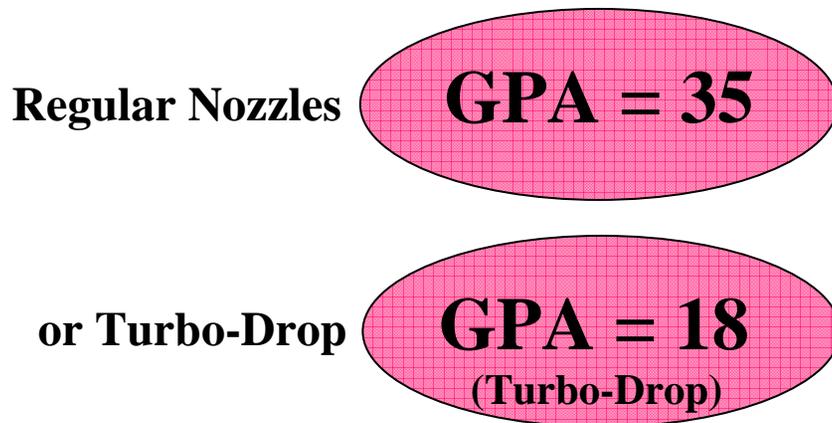


Calibrating your Fixture Boom (contd.)

$$\text{GPA} = \frac{5940 \times \text{GPM}}{\text{MPH} \times \text{SW} \text{ "}}$$

$$\text{GPA} = \frac{5940 \times 2.2}{\text{Regular Nozzles } 5 \times 74 \text{ or Turbo-Drop } 10 \times 74}$$

$$\text{GPA} = \frac{13,068}{\text{Regular Nozzles } 370 \text{ or Turbo-Drop } 740}$$



GPA = 18
(Turbo-Drop)

Example 1: Tank mix a 300-gallon load of *Roundup*[®] *Pro* and *Landmark*[®] *XP* for complete control (bare ground) along the edge of pavement with Turbo-Drop Nozzles.

Step 1: Determine the number of acres you can spray: $\frac{300 \text{ gal}}{18 \text{ GPA}} = 16.7 \text{ Ac}$

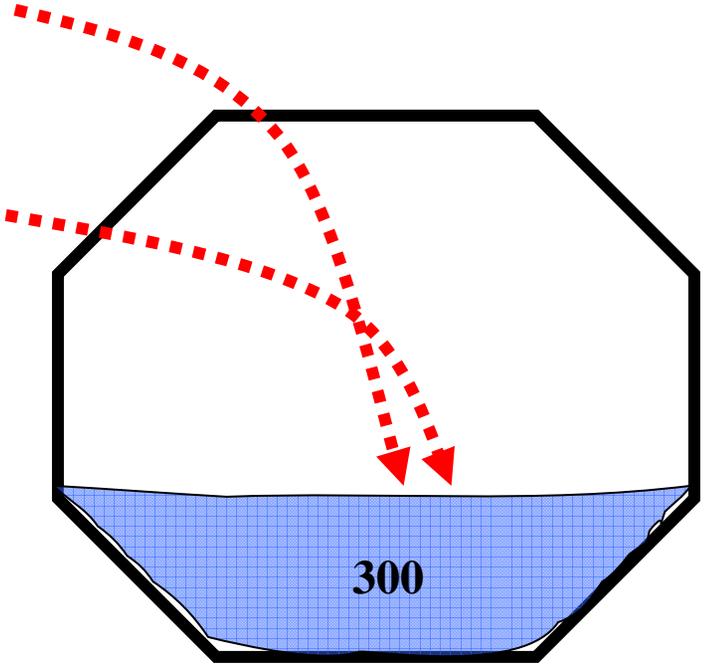
Step 2: Determine the proper amount of *Roundup*[®] *Pro* and *Landmark*[®] *XP* to add:

$16.7 \text{ Ac} \times 4 \text{ Qt. / Ac} = 66.8 \text{ Qts.}$
 $16.7 \text{ Ac} \times 3 \text{ Oz. / Ac} = 50.1 \text{ Ozs.}$

Step 3: Determine the proper amount of drift control to add:

$3 \times 2 \text{ Oz / 100 Gal} = 6 \text{ fl oz}$

Drive the Proper Speed!
10 mph Turbo-Drop



GPA = 25

Example 2: Tank mix a 1,000 gallon solution of *Roundup[®] Pro + Escort[®] XP + Outrider[®]* for Johnsongrass control, using your Flex-5 Spray head:

Step 1: Determine the number of acres you can spray: $\frac{1,000 \text{ gal}}{25 \text{ GPA}} = 40 \text{ Ac}$

Step 2: Determine the proper amount of chemical to add:

$$40 \text{ Ac} \times 8 \text{ Oz} / \text{Ac} = 10 \text{ Qts}$$

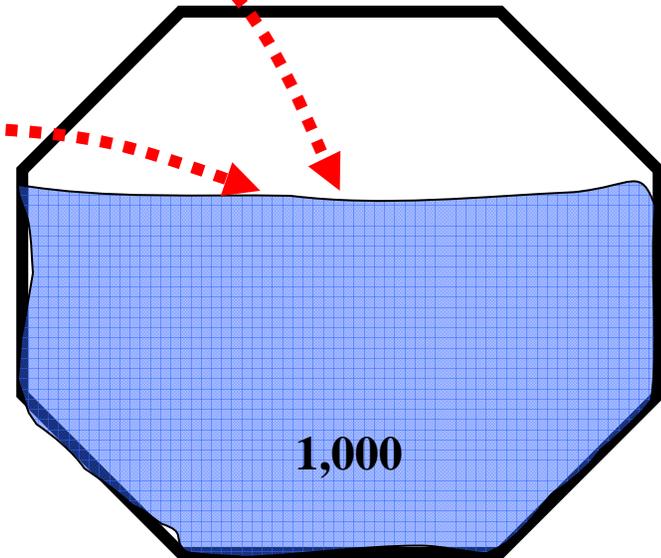
$$40 \text{ Ac} \times \frac{1}{2} \text{ Oz} / \text{Ac} = 20 \text{ Oz.}$$

$$40 \text{ Ac} \times 1.33 \text{ Oz/Ac} = 53 \text{ Oz.}$$

Step 3: Determine the proper amount of drift control to add:

$$10 \times 2 \text{ Oz} / 100 \text{ Gal} = 20 \text{ fl Oz}$$

Drive the Proper Speed!
(11.36 mph)



Calibration Summary

- Calibrate your Fixture Booms at least **ANNUALLY**
- Record your Calibration Numbers in your **RECORD BOOK**
- Calibrate the Nozzle **Combinations you Normally Use** (could be more than one combination)
- If you're not sure what your Nozzles are Spraying, **CALIBRATE THEM before you spray any chemical**
- The FLEX - 5 Spray Boom has been Pre-Calibrated To **25 GPA**