



Air-Blast Sprayer Calibration Worksheet

Retain the following information for your records:

Date _____.

Farm _____ Operator _____ Phone _____.

Address _____ Town _____ State _____ Zipcode _____.

Tractor _____ Sprayer _____

Tractor Gear _____ Tank _____ gallons

Tractor RPM _____ Pump Pressure _____ PSI

Measured Distance _____ feet

Time in seconds (down) _____ Time in seconds (back) _____

Average Time in seconds _____

Miles per Hour = $\frac{\text{Distance in Feet} \times 60}{\text{Time in Seconds} \times 88} = \left(\frac{\text{Feet}}{\text{Seconds}} \right) \times 60 = \text{_____} = \text{_____} \text{ MPH}$

For Orchards:

Block (# _____) Tree Height _____ ft. Tree Width _____ ft. Row Width _____ ft.

For Vegetable or Other Crops Sprayed:

Block (# _____) Spray Swath Width _____ ft

Linear Feet of Row per Acre = $\frac{43,560}{\text{Row Width}} = \frac{43,560}{\text{()}} = \text{()} \text{ Feet per Acre}$
Or Spray Swath Width

Speed in Feet per Minute = MPH X 88 = () MPH X 88 = () Feet per Minute

For Orchards:

DG/A = Tree Height X Tree Width X Linear Feet of Row X $\frac{0.7}{1000} = \text{()} \text{ GPA}$

Block (# _____) DG/A = () X () X () X $\frac{0.7}{1000} = \text{()} \text{ GPA}$

Nozzle Output for Air-Blast Sprayer - To determine the left versus right side, look at the sprayer from behind

Nozzle Output - Left					Nozzle Output - Right				
Nozzle #	Tip Size #	Disc Core #	Fluid Ounces Per Minute	Gallons Per Minute	Nozzle #	Tip Size #	Disc Core #	Fluid Ounces Per Minute	Gallons Per Minute
L-10					R-10				
L-09					R-09				
L-08					R-08				
L-07					R-07				
L-06					R-06				
L-05					R-05				
L-04					R-04				
L-03					R-03				
L-02					R-02				
L-01					R-01				
Total Left Side Manifold Output in GPM					Total Right Side Manifold Output in GPM				
Total Output for Sprayer in GPM									

All Nozzles Output = (_____) gpm

Alternative Output: Nozzles (# _____) = (_____) gpm

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Block (# _____) Minutes/Acre = $\frac{\text{Linear Feet Row per Acre}}{\text{Feet per Minute}}$ = (_____) = (_____) Minutes/Acre

Arrangement Nozzles (# _____) GPA = GPM X MPA = (_____) GPM X (_____) MPA = (_____)GPA

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