ODOT Sprayer Calibration & Tank Mix Calculation Worksheet

Date: _____   **Name of Applicator(s):**_____

Spray Width :_____ feet (with the wind)   _____ feet (against the wind)

Nozzle Output: _____ gallons per minute **(GPM)**   @ _____ p.s.i.

Carrier Rate: _____ gallons per acre **(GPA)**

Ground Speed (refer to calibration charts) : _____ miles per hour **(MPH)**

$$\frac{\textbf{GPM} \text{ x } 495}{\textbf{GPA} \text{ x } \textbf{SW}} = \frac{\underline{\qquad} \text{ x } 495}{\underline{\qquad} \text{ x}} = \underline{\qquad\qquad} = \underline{\qquad\qquad} \text{ MPH}$$

Broadcast Applications: *(mixtures using herbicides on a product per acre basis [product/A])*

Tank Load Size: _____ gallons   Full load _____   Partial load _____

Herbicide #1 rate: _____ product per acre (prod/A) (Example: Ranger Pro 1 pint)

Herbicide #2 rate: _____ product per acre (prod/A) (Example: Oust XP 1.0 ounce

Tank Load Size: _____ gallons
_____ = _____ **Acres per Tank**
Carrier Rate: _____**GPA**

_____ Acres x Herbicide #1 rate: _____ prod/A = _____ product/tank load

_____ Acres x Herbicide #2 rate: _____ prod/A = _____ product/tank load

Drift Control rate: Tank Load Size: _____gal. / 100 gal. = _____ x _____ oz. Product/100 gal. = _____ prod./tank

Surfactant rate: _____ percent (%) solution x _____Tank load size = _____ prod. Tank

AMS rate: Tank load size: _____ gal. /100 gal. = _____ x 17 lb. AMS/100 gal. = _____ prod. Tank

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Spray-To-Wet Handgun Applications: *(mixtures of herbicide on a volume basis [percent (%) solution])*

Tank Load Size: _____ gallons

Herbicide rate #1: _____ percent (%) solution   (example: 1.5% = 0.015)

Herbicide rate #2: _____ percent (%) solution   (example: 0.5%= 0.005)

Tank Load Size: _____ gallons
_____ = _____ **Acres per Tank**
Carrier Rate: **100 GPA** (used for all handgun applications on a **spray-to-wet basis**)

_____ gallons/tank load x Herbicide rate #1: _____ % solution = _____ product/tank load

_____ gallons/tank load x Herbicide rate #2: _____ % solution = _____ product/tank load

Surfactant rate: _____ percent (%) solution x _____ tank load size = _____ product/ tank load