

## **Appendix G – Calibration Documentation**

**Documented Calibration Exercise**

**Name** \_\_\_\_\_

**Date** \_\_\_\_\_

**Site** \_\_\_\_\_

**Application Method** \_\_\_\_\_

1) Dimensions of test plot \_\_\_\_\_

2) Time required to spray test plot \_\_\_\_\_

3) Amount of water sprayed \_\_\_\_\_

4) Rate of application for test plot \_\_\_\_\_ gal/ac

5) Herbicide \_\_\_\_\_

6) Amount of herbicide to be added \_\_\_\_\_ oz/gal

7) Application rate of herbicide \_\_\_\_\_ pt/ac

Remarks:

6) Amount of herbicide to be added \_\_\_\_\_ oz/gal

7) Application rate of herbicide \_\_\_\_\_ pt/ac

Remarks:

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**Date** \_\_\_\_\_

**Site** \_\_\_\_\_

**Application Method** \_\_\_\_\_

1) Dimensions of test plot \_\_\_\_\_

2) Time required to spray test plot \_\_\_\_\_

3) Amount of water sprayed \_\_\_\_\_

4) Rate of application for test plot \_\_\_\_\_ gal/ac

5) Herbicide \_\_\_\_\_

**Procedure for Calibration**

- 1) Measure an area 18.5 ft. by 18.5 ft. in the target application area.
- 2) Spray the measured area uniformly with **water** only (or water and dye) while recording the precise amount of time required to cover the area.
- 3) Measure the amount of water applied to the test area by spraying into a container for the same amount of time.
- 4) The amount of water collected in fl. oz. equals spray volume in gallons per acre.
- 5) Refer to herbicide label or appropriate treatment prescription for desired herbicide application rate (i.e. pts. / ac.).
- 6) Calculate amount of herbicide to mix per gal of water.
- 7)

$$\frac{\text{amt chem}}{\text{ac}} \times \frac{\text{gal water}}{\text{ac}} \text{ i.e. } \frac{2 \text{ pts chem (from label)}}{\text{ac}} \times \frac{20 \text{ gal water (from test)}}{\text{ac}}$$

**Equals:**

$$\frac{\text{amt of chem}}{\text{amt of water}} \text{ i.e. } \frac{2 \text{ pts chem}}{20 \text{ gal water}} = \frac{0.1 \text{ pt chem}}{\text{gal water}} \times 16 \text{ oz/pt} = \frac{1.6 \text{ oz chem}}{\text{gal water}}$$