



## Crop Yield Determination: Worksheet 1A (Average Silage Weight per Load)

**Method 1:** Use for Grass or Corn systems

Assigned Field Number: \_\_\_\_\_

### Determining "Average Silage Weight per Load"

1. Enter Harvest Date (**Column 1**)
2. Weigh empty truck (tons), Enter in **Column 2**.
3. Weigh Filled Truck Front Axle (tons), Enter in **Column 3**.
4. Weigh Filled Truck Back Axle (tons), Enter in **Column 4**.
5. Calculate **Column 5**: Silage Weight per Load (wet tons). (**Column 3 + Column 4**) - (**Column 2**)
6. Calculate average of **Column 5**. This is the total of **Column 5** divided by total number of loads weighed.

Harvest Date	Empty Truck Weight tons	<u>Weight at Scale</u>		Silage Weight/load (wet tons)
		Front Axle tons	Rear Axle tons	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Average:</b>				





## Moisture Content (%) Determination Worksheet

To use this method, you will need:

- Microwave oven
- Paper plate (record weight below)
- Permanent marker & writing paper
- Weighing scale (16 ounce capacity)
- Cup (1/2 full of water)

**Step 1** Weigh about 4 ounces or 1/4 pound of silage

**A.** Plate Weight (oz) + Sample Weight (oz) : \_\_\_\_\_

**Step 2** Proceed to microwave sample

- Evenly spread sample over plate
- Place sample in microwave, with 1/2 filled water glass
- Heat at full power for 3-4 minutes
- Weigh and record weight on paper plate
- "Stir" the sample, re-heat for 30 seconds
- Weigh after each 30 second heating

**DO NOT LET SAMPLE BURN!**

Continue heating and weighing (**Step 2, d -f**), until weight stays the same.  
Record final weight below

**B.** Final Sample weight (oz) + Plate weight (oz) : \_\_\_\_\_

Calculate Moisture percentage :  $(A - B) / (A) \times 100$

Moisture Percentage : \_\_\_\_\_

Calculate Dry Matter percentage :  $100 - B$

Dry Matter Percentage : \_\_\_\_\_