

# Irrigation Equipment or Towed Hose Applicator Calibration

## A. If flow Rate is Known:

- Estimate pumping time: \_\_\_\_\_ hours
- Estimate water flow rate: \_\_\_\_\_ gallons per minute
- Estimate acres covered: \_\_\_\_\_ acres
- Estimate application rate:

$$\text{Inches ( or acre-inch/acre) } = \frac{\text{Pumping Time X Flow Rate}}{\text{Acres X 450}} = \frac{\text{X}}{\text{X}} \frac{\text{X}}{450} = \text{_____ in.}$$

## B. If Flow Rate is NOT Known:

- Identify Rated Pump Pressure and Flow Rate: \_\_\_\_\_ psi at \_\_\_\_\_ gpm
- Identify Actual Pump Pressure: \_\_\_\_\_ psi
- Estimate Actual Flow Rate:

$$\text{GPM}_{\text{actual}} = \text{GPM}_{\text{rated}} \sqrt[4]{\frac{\text{P}_{\text{actual}}}{\text{P}_{\text{rated}}}} = \text{_____} \sqrt[4]{\frac{\text{X}}{\text{X}}} = \text{_____ gpm}$$

\* square root

- Substitute actual Flow Rate from c. into the Flow Rate space in d. of "A. If Flow Rate Is Known" and complete application rate.

## C. Optional Method for Pivot or other Sprinkler Irrigation Systems

- Place 4 to 6 rain gauges (pans or straight sided plastic cups will also work) in line with the pivot center point at roughly equally spaced intervals. Placement on access road away from crop canopy is preferred.
- Measure depth in rain gauges and calculate average.

Gauge #1: \_\_\_\_\_ in. #2: \_\_\_\_\_ in. #3: \_\_\_\_\_ in. #4: \_\_\_\_\_ in. #5: \_\_\_\_\_ in. #6: \_\_\_\_\_ in.

Average Depth: \_\_\_\_\_ in.

# Waste Storage Structure Sample Results

## Operation Responsibility

### Westridge Dairy

#### Barn # 1      Barn 1

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

#### Barn # 2      Barn 2

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

#### Barn # 3      Barn 3

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

#### Barn # 4      Barn 4

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

# Waste Storage Structure Sample Results

## Operation Responsibility

### Westridge Dairy

**Barn # 5**

**Barn 5**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 6**

**Barn 6**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 7**

**Barn 7**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 8**

**Barn 8**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

# Waste Storage Structure Sample Results

## Operation Responsibility

### Westridge Dairy

**Barn # 9**

**Barn 9**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 10**

**Barn 10**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 11**

**Barn 11**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 12**

**Barn 12**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

# Waste Storage Structure Sample Results

## Operation Responsibility

### Westridge Dairy

**Barn # 13      Barn 13**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 101      Basin 101**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 102      Basin 102**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 103      Basin 103**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

# Waste Storage Structure Sample Results

## Operation Responsibility

### Westridge Dairy

**Barn # 104      Holding Pond 104**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 105      Lagoon 105**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 106      Stacking Area 106**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

**Barn # 107      Stacking Area 107**

Date	Sample Taken By	Service Lab	Lab Number	Total Nitrogen	Ammonium Nitrogen	Total Phosphorus	Total Potassium	Unit of Measure

# Waste Application Recording Log - Liquid

Crop Year

[illegible]

### a.) Application Methods

<b>B</b>	Broadcast w/o incorporation or incorporation > 12 hours
<b>BI</b>	Broadcast, incorporated within 12 hours
<b>IN</b>	Injected
<b>IR</b>	Irrigated

# Waste Application Recording Log - Liquid

Crop Year

[illegible]

a.) Application Methods	
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# Waste Application Recording Log - Liquid

Crop Year \_\_\_\_\_

[illegible]

a.) Application Methods	
<b>B</b>	Broadcast w/o incorporation or incorporation >
<b>BI</b>	Broadcast, incorporated within 12 hours
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# Waste Application Recording Log - Solid

Spreader Make \_\_\_\_\_ Model \_\_\_\_\_ Cubic Feet Capacity \_\_\_\_\_

[illegible]

# Waste Application Recording Log - Solid

Model	Cubic Feet Capacity
Snreader Make	

[illegible]