



## Worksheet 7-3

# Calculate the Tonnage of a Purchased Organic Source

1. **Volume of product purchased**

- Expressed in cubic yds ( $\text{yds}^3$ )
- Consult bill of sale

2. **Volume of Product**

- Expressed in cubic ft ( $\text{ft}^3$ )
- 27  $\text{ft}^3$  per 1  $\text{yd}^3$

3. **Weight of 5 gallons of organic source**

- Expressed in lbs
- Consult scenario or weigh 3 buckets of material and use average

4. **Weight of a cubic foot of product**

- Expressed in lbs
- A 5-gallon bucket is equivalent to  $\frac{2}{3}$  of a cubic foot
- Multiply #3 x 0.66

5. **Weight of purchased product**

- Expressed in tons
- First, multiply #2 by #4 to determine pounds
- Then, divide quantity by 2,000 to convert to tons