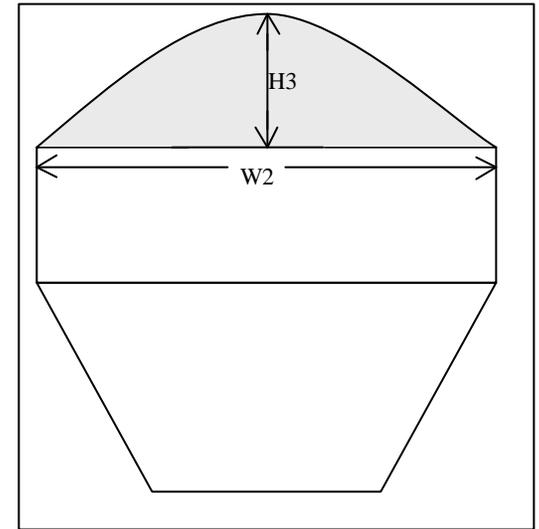
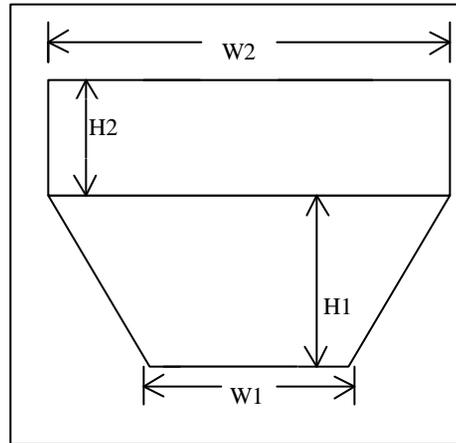


Estimating the Volume and Capacity of Spreaders with Trapezoidal Bottom (Revised)

Use these calculations to estimate volume and capacity of spreader or truckload of poultry litter.

(L) Length of spreader or trailer _____



Dry system - measure all dimensions in feet and tenths of feet. (round measurements to even inch and divide by 12 to get feet and tenths)

A. Spreader Volume

Box spreader (level load):

$$\left[\left(\frac{w_1 + w_2}{2} \right) \times (H_1) \times (L) \right] + \left[(w_2 \times H_2) \times (L) \right] = \text{_____ Cubic Feet Level Load}$$

Box spreader (piled load):

$$\left(\frac{w_2}{2} \times H_3 \right) \times (L - w_2) = \text{_____ Additional cubic feet in piled section}$$

Add these values for Cu.Ft. of Piled Load

_____ Cubic feet in level load

_____ Total Cu.Ft. in Piled Load

B. Spreader Capacity

(Cubic feet _____ x 32) ÷ 2000 = _____ Tons per Load