Estimating the Volume and Capacity of Spreaders with Trapezoidal Bottom \((\text{Revised})\)

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

\((L)\) Length of spreader or trailer __________

\[\left(\frac{W_1 + W_2}{2}\right) \times (H_1) \times (L) \right] + \left[(W_2 \times H_2) \times (L)\right] = \text{Cubic Feet Level Load}\]

Box spreader (piled load):

\[\left(\frac{W_2}{2} \times H_3\right) \times \left(L - W_2\right)\] = ____________ Additional cubic feet in piled section

\[\text{Cubic feet in level load}\]

\[\text{Total Cu.Ft. in Piled Load}\]

B. Spreader Capacity

\((\text{Cubic feet} \quad \text{___________} \times 32) \div 2000 = \text{_________} \text{Tons per Load}\]