$$\text{Tons} = \frac{(W)\,(D)\,(L)\,(UW)}{2000}$$

Where: W = width of spread in feet
D = compacted depth in feet
L = distance in feet desired for a particular rate
UW = compacted unit wet weight in lbs/ft^3

Given: Width = 12 feet
Depth = 8 inches = 0.67 feet
UW = 150 lbs/ft^3
L = 100 feet

Solution: $\text{Tons} = \frac{(12\text{ ft})\,(.67\text{ ft})\,(100\text{ ft})\,(150\text{ lb.}/\text{ft}^3)}{2000\text{ ton}}$

$\therefore$ Tons = 60.3 tons