Calculating Hay Needed for Winter Feeding Season

Livestock Weight Estimates

Animal #1: _____ lbs x _____ (%BW) = _____(A) pounds per day
Animal #2: _____ lbs x _____ (%BW) = _____(A) pounds per day
Animal #3: _____ lbs x _____ (%BW) = _____(A) pounds per day
Animal #4: _____ lbs x _____ (%BW) = _____(A) pounds per day
Animal #5: _____ lbs x _____ (%BW) = _____(A) pounds per day

Animals #6-n _____(A) pounds per day

Total of All Animals (all A's) _____(B) Total Pounds Per Day

(_____(B) Total Pounds Per Day X _____ Waste Factor)

+ _____(B) = _____(C) Total Pounds of Hay Needed Per Day

_____(C) X _____ # Number of Days Feeding Hay = _____(D) Pounds of Hay to Buy

_____(D) Pounds of Hay to Buy / 2,000 lbs = _____(E) Tons of Hay to Buy

Rough Estimate Feed Intakes as a Percentage of Body Weight to Decimal

	Higher Nutrient Needs or Higher Quality Forage	Lower Nutrient Needs or Lower Quality Forage
Beef Cow	0.03	0.02
Dairy Cow	0.045	0.03
Horse	0.03	0.015
Sheep, Goat	0.05	0.02
Hogs	0.06	0.04

*Sourced online from Oregon State University "Calculating Livestock Winter Hay Needs"

Hay Waste Factor by Small Square or Round Bale and Feeding Type

Feeder Type	Hay Waste, % to decimal
Small Square- Basket	0.03
Small Square- Hayrack	0.05
Small Square- No Feeder	0.13
Round Bale- Restricted Access Feeders	0.05 - 0.11
Round Bale- Circular, Free Choice Feeders	0.13 - 0.33
Round Bale- No Feeder	0.57

*Sourced online from University of Maryland Extension "Calculating Your Horse's Winter Hay Needs"