



Dairy Herd Forage Needs and Inventory Balance Worksheet

1. Total tons of forage dry matter required _____
(From Dairy Herds Forage Needs worksheet)
2. Total tons of forage dry matter available: _____
(From Dairy Herd Forage Inventory Worksheet)
3. Additional tons of forage dry matter needed: _____

These calculations provide an estimate of the tons of forage dry matter that may need to be purchased. Table 1 can be used to determine the tons of as-fed forage that need to be purchased.

Table 1. Tons of As-Fed Forage Needed

Forage Type	(A) % of purchased forages ^a	(B) Dry matter, %	(C) Total Tons of Forage DM Needed (Step 3 above)	(D) Tons of Forage DM (from this forage) (C*A)/100	(E) Tons of as- fed forage (from this forage) (D/(B/100))
Dry Hay					
Baleage					
Silage					
Other forage					

^A Percent of the total forage needs that you plan to meet from this forage type

Example calculation:

- 500 tons forage DM needed (from Step 3 above)
- Purchase dry hay (87% DM) to supply 25% of the forage needed
- Tons DM of dry hay needed = 125
 - o $(500 * 25) / 100$
- Tons of as-fed dry hay needed = 143.7
 - o $(125 / (87 / 100))$

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