

Dry Matter Intake (DMI) Calculation Worksheet Utilizing National Research Council (NRC) Referenced Values for Dry Matter Demand (DMD)



[Note: Use a separate worksheet for each livestock class and type (stage of production)]

Class/Stage of Production:

Date				
# of Animals				
Average Weight				
A	DMD Source: NRC/NOP Table Value or Other _____			
	Other Feed Sources:			
	_____ lb, as fed			
	x % DM of Feed Source			
	= DMI, lb			
a	_____ lb, as fed			
	x % DM of Feed Source			
	= DMI, lb			
	_____ lb, as fed			
	x % DM of Feed Source			
b	_____ lb, as fed			
	x % DM of Feed Source			
	= DMI, lb			
	_____ lb, as fed			
	x % DM of Feed Source			
c	_____ lb, as fed			
	x % DM of Feed Source			
	= DMI, lb			
	_____ lb, as fed			
	x % DM of Feed Source			
d	_____ lb, as fed			
	x % DM of Feed Source			
	= DMI, lb			
	Total DMI from feed sources, lb = a+b+c+d			
	% DMI from feed sources = (B/A)*100			
C	Pasture DMI, lb = A - B			
	% DMI from pastures = (C/A)*100			
Typical dry matter (DM) Content of Feed Sources: • Grain = 89% dry matter • Dry hay = 90% dry matter • Grain Silage = 25-35% dry matter • Haylage/Baleage = 35-60% dry matter		Ave. % DMI from Pasture Over the Grazing Season		
		Meet Requirements?		

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Class/Stage of Production:

Dairy Cow, Lactating [EXAMPLE]

Date	1-May-09	10-Aug-09	1-Oct-09
# of Animals	125	125	125
Average Weight	1300	1300	1300
A DMD Source: NRC/NOP Table Value or Other _____	31.97	52.03	52.03
Other Feed Sources:			
_____ lb, as fed	corn	corn	corn
x % DM of Feed Source	12	25	18
= DMI, lb	89	89	89
a	10.68	22.25	16.02
_____ lb, as fed		silage	hay
x % DM of Feed Source		12	5
= DMI, lb		30	90
b		3.6	4.5
_____ lb, as fed		hay	
x % DM of Feed Source		5	
= DMI, lb		90	
c		4.5	
_____ lb, as fed			
x % DM of Feed Source			
= DMI, lb			
d			
B Total DMI from feed sources, lb = a+b+c+d	10.68	30.35	20.52
% DMI from feed sources = (B/A)*100	33.41	58.33	39.44
C Pasture DMI, lb = A - B	21.29	21.68	31.51
% DMI from pastures = (C/A)*100	66.59	41.67	60.56
Typical dry matter (DM) Content of Feed Sources:		Ave. % DMI from Pasture Over the Grazing Season	56.27
• Grain = 89% dry matter	• Dry hay = 90% dry matter	Meet Requirements?	YES
• Grain Silage = 25-35% dry matter	• Haylage/Baleage = 35-60% dry matter		