



# CCOF Dry Matter Intake (DMI) Calculation Worksheet for Ruminant Livestock

This worksheet can be found at [www.ccof.org](http://www.ccof.org)

**Instructions:** You may use this form to calculate dry matter intake from pasture and to document changes in rations throughout the year.

Complete a new form when rations change. Enter information from this form into the Seasonal Dry Matter Intake from Pasture form to find the average dry matter intake over the entire grazing season.

You may use your own documents to record dry matter intake from pasture so long as they provide sufficient information to allow for verification.

<b>Operation Name:</b>		<b>Date and Year:</b>			
<b>Ration Name/Type/ID:</b>		<b>Species &amp; Breed of Animal:</b>			
<b>Time period this ration is fed (during grazing season ONLY)</b>	Spring	Summer	<b>Class of Animal:</b>	Calf	Heifer
	Fall	Winter		Low String	High String
	Dates:		Dry	Slaughter	
	# of days:		Other:		
<b>Approx # of animals in group:</b>	<b>Dry Matter Demand (in lbs):</b>	<b>Source of DMD calculation:</b>		% of body weight	
				Lbs per day of milk	
				Other reference	

If you are using this worksheet in Excel or Adobe, formulas are provided in the yellow cells to perform the calculations for you

Feed type (list all other than pasture)	Average # of lbs fed per animal	x	Dry Matter content of feed source as %	=	DMI Fed in Lbs						
<i>Example: Hay</i>	<i>Example: 22</i>	x	<i>Example: 85</i>	=	<i>18.7</i>						
		x		=							
		x		=							
		x		=							
		x		=							
		x		=							
		x		=							
		x		=							
		x		=							
Total DMI Fed from non-pasture (sum of DMI lbs of each type) =											
	-		=		÷		=		x 100	=	
Dry Matter Demand (lbs)	Total Dry Matter Fed		DMI from pasture		Dry Matter Demand		DMI from Pasture				% DMI from Pasture

You must provide accurate dry matter content values for each feed source. Due to high variability in moisture contents, especially for fresh & ensiled feeds, it is important to use the actual dry matter content values for your operation. If you perform testing of your feed, please use the dry matter content shown by testing. You must demonstrate to your inspector the source and accuracy of each dry matter content provided. Justification for values that vary significantly from reference values will be required.

Each type and class of ruminant animal must consume an average of at least 30% of the dry matter demand from pasture during the grazing season. Requirements for DMI calculation apply only to times within the grazing season, defined as "the period of time when pasture is available for grazing", and may or may not be continuous, but must be at least 120 days per year.