



Pasture Access Record

Use this document to record which pastures each type and class of animals have access to during each ration period throughout the grazing season. The dates of the ration period on this form must correspond with the ration periods used for DMI calculations on other worksheets. The grazing season is "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. Use a separate worksheet for each type/class of animal.

Operation Name:	PCO Farm	Date and Year:	2010	
Type of Animal (Species/Breed):	Dairy Cows	Class of Animal:	Lactation Cows	
Ration Name/Type/ID:	Spring Transition	Dates:	Apr 15 - 30	# of Days: 15
Time(s) of Day(s)	daytime			
Pasture Source(s) Name/Type/ID	Paddocks K2, L3, P1, P2, P3, P4, P5, P6			
Ration Name/Type/ID:	Spring-Summer	Dates:	May 1 - Sept 25	# of Days: 145
Time(s) of Day(s)	all day and night			
Pasture Source(s) Name/Type/ID	Paddocks K2, L3, P1, P2, P3, P4, P5, P6, L2, M1, M2, J3, H3, G2, J4, H4, G4			
Ration Name/Type/ID:	Late Summer - Fall	Dates:	Sept 26 - Nov 10	# of Days: 45
Time(s) of Day(s)	all day and night			
Pasture Source(s) Name/Type/ID	Paddocks K2, L3, P1, P2, P3, P4, P5, P6, L2, M1, M2, J3, H3, G2, J4, H4, G4, A1, A6			
Ration Name/Type/ID:		Dates:		# of Days:
Time(s) of Day(s)				
Pasture Source(s) Name/Type/ID				
Ration Name/Type/ID:		Dates:		# of Days:
Time(s) of Day(s)				
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Time(s) of Day(s)				
Pasture Source(s) Name/Type/ID				



Feed Ration Record / DMI Calculation Worksheet

Use this worksheet to record the feed ration and calculate DMI for each type/class of ruminant animal throughout the grazing season. Use a separate worksheet for each type/class of animal. Complete a new worksheet for each ration period. At the end of the grazing season, use the information on this worksheet to complete the Average DMI Calculation for Grazing Season Worksheet.

Operation name:	PCO Farm	Date and Year:	2010
Ration Name/Type/ID:	Spring Transition	Type of Animal (Species or Breed):	Dairy Cows
Dates of Ration Period:	Apr 15-30	# of Days:	15
		Class of Animal:	Lactation Cows (early)

Feed Source (List all other than pasture)	Lbs. fed per animal	x	% Dry Matter content of feed source (express as a decimal)	=	DMI fed
Grain and Mineral Mix	12	x	0.89	=	10.7
Grass and Legume Baleage	30	x	0.6	=	18
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	

38	-	28.7	=	9.3	÷	38	=	0.245	x 100	=	24.5 %
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Dry Matter Demand	-	Total DMI from Non-pasture (sum of DMI fed)	=	Total DMI from Pasture	+	Dry Matter Demand	=	DMI from Pasture / DMD ratio	x 100	=	% DMI from Pasture
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Dry Matter content values must be accurate for each feed source. Due to high variability in moisture content, especially for fresh and ensiled feeds, it is important to use the actual dry matter content values for your operation. If you perform testing on 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.

Dry Matter Demand values are estimates based on published data, and the source of the DMD values must be demonstrated to your inspector. Justification for values that vary significantly from the 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, which is 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.



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Operation name:	PCO Farm	Date and Year:	2010
Ration Name/Type/ID:	Spring - Summer	Type of Animal (Species or Breed):	Dairy Cows
Dates of Ration Period:	May 1 - Sept 25	# of Days:	145
		Class of Animal:	Lactation Cows (mid)

Feed Source (List all other than pasture)	Lbs. fed per animal	x	% Dry Matter content of feed source (express as a decimal)	=	DMI fed
Grain and Mineral Mix	10	x	0.89	=	8.9
Dry Hay	6	x	0.85	=	5.1
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	

35	-	14	=	21	÷	35	=	0.6	x 100	=	60 %
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Dry Matter Demand	-	Total DMI from Non-pasture (sum of DMI fed)	=	Total DMI from Pasture	÷	Dry Matter Demand	=	DMI from Pasture /DMD ratio	x 100	=	% DMI from Pasture
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Operation name:	PCO Farm	Date and Year:	2010
Ration Name/Type/ID:	Late Summer - Fall	Type of Animal (Species or Breed):	Dairy Cows
Dates of Ration Period:	Sept 26 - Nov 10	# of Days:	45
		Class of Animal:	Lactation Cows (late)

Feed Source (List all other than pasture)	Lbs. fed per animal	x	% Dry Matter content of feed source (express as a decimal)	=	DMI fed
Grain and Mineral Mix	8	x	0.89	=	7.12
Dry Hay	6	x	0.85	=	5.1
Grass and Legume BALEAGE	10	x	0.60	=	6
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	

30	-	18.2	=	11.8	÷	30	=	0.393	x 100	=	39.3 %
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Dry Matter Demand	-	Total DMI from Non-pasture = (sum of DMI fed)	=	Total DMI from Pasture	÷	Dry Matter Demand	=	DMI from Pasture / DMD ratio	x 100	=	% DMI from Pasture
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Average DMI Calculation for Grazing Season Worksheet

Use this worksheet to calculate the average DMI from pasture for each type/class of ruminant animal throughout the entire grazing season. Complete this worksheet at the end of the grazing season. Use values from the DMI Calculation Worksheets to determine DMI from Pasture for each ration type. The average % DMI from pasture during the grazing season must be at least 30%.

Operation Name:	PCO Farm	Date and Year:	2010
Dates of Grazing Season:	Apr 15 - Nov 10	Type of Animal (Species or Breed):	Dairy Cows
Total # Days In Grazing Season:	205	# Animals In Group:	80
		Class of Animal:	Lactation Cows

Ration Name/Type/ID	Ration Period (Dates Fed)	# Days in Ration Period	x	% DMI from Pasture (express as a decimal)	=	Days x Pasture DMI during Ration Period
Spring Transition	Apr 15 - 30	15	x	0.245	=	3.68
Spring - Summer	May 1 - Sept 25	145	x	0.6	=	87
Late Summer - Fall	Sept 26 - Nov 10	45	x	0.393	=	17.68
			x		=	
			x		=	
			x		=	
			x		=	
			x		=	

108.37	÷	205	=	0.529	x 100	=	52.9%
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Total Days x Pasture DMI (sum all Days x Pasture DMI during Ration Period)	Total # Days in Grazing Season (sum all # Days in Ration Period)	Average DMI from Pasture	Average % DMI from Pasture
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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 apply only to times within the grazing season, which is 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.