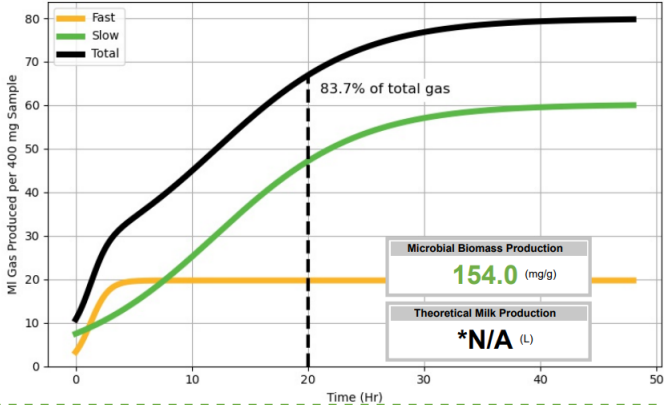


Proxima
Dynametrix

Start

Desc: ÐÃ²ú1#
Origin: Delfino
Run Date: 2021-07-29



DM		
Moisture %	-	-
Dry Matter %	-	-
Crude Protein %	-	-
AD-ICP %CP	-	-
ND-ICP %CP	-	-
SP BB %CP	-	-
SP Microbial %CP	-	-
Lignin %	-	-
ADF %	-	-
aNDF %	-	-
EE %	-	-
Sugar %	-	-
Sugar (WSC) %	-	-
Starch %	-	-
NFC %	-	-
aPF	3.62	-
aOMD (%DM)	44.33	-
Dietary Sodium	Excessive	-
uNDF48 %DM	Caution	-
Hour	Slow Kd	Fast Kd
2.0	2.22	25.75
7.0	3.44	0.09
12.0	4.05	-
24.0	1.78	-

Digestion Rates		Type Probabilities		Time to Max Rate (Hr)	
Fast Pool (Kd/hr)	31.72	Type1	0.0%	Type2	45.7%
Slow Pool/C:B3 (Kd/hr)	4.05	Type3	54.3%	Type4	0.0%
C:B1	17.55				

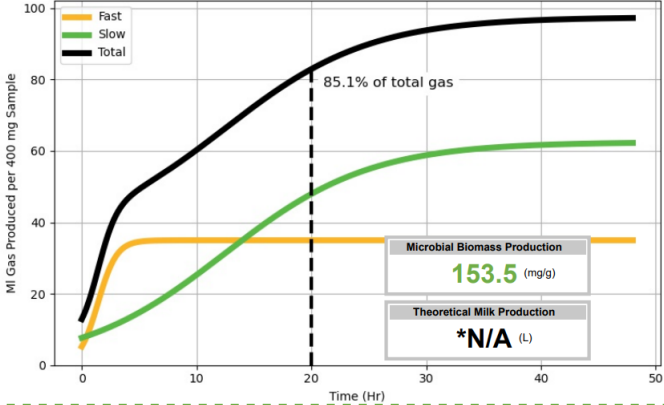
Fast Pool		Slow Pool	
1.27	12.04		

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Proxima
Dynametrix

Middle

Desc: ÐÃ²ú2#
Origin: Delfino
Run Date: 2021-07-29



DM		
Moisture %	-	-
Dry Matter %	-	-
Crude Protein %	-	-
AD-ICP %CP	-	-
ND-ICP %CP	-	-
SP BB %CP	-	-
SP Microbial %CP	-	-
Lignin %	-	-
ADF %	-	-
aNDF %	-	-
EE %	-	-
Sugar %	-	-
Sugar (WSC) %	-	-
Starch %	-	-
NFC %	-	-
aPF	3.46	-
aOMD (%DM)	43.44	-
Dietary Sodium	Excessive	-
uNDF48 %DM	Caution	-
Hour	Slow Kd	Fast Kd
2.0	2.14	27.10
7.0	3.30	0.13
12.0	3.95	-
24.0	1.89	-

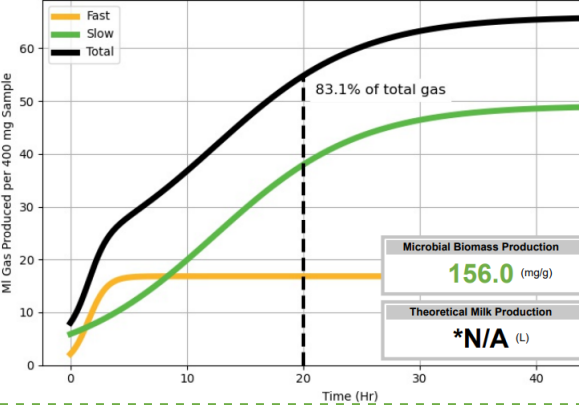
Digestion Rates		Type Probabilities		Time to Max Rate (Hr)	
Fast Pool (Kd/hr)	30.78	Type1	0.0%	Type2	41.2%
Slow Pool/C:B3 (Kd/hr)	3.95	Type3	58.8%	Type4	0.0%
C:B1	20.74				

Fast Pool		Slow Pool	
1.41	12.44		

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Proxima
Dynametrix

End



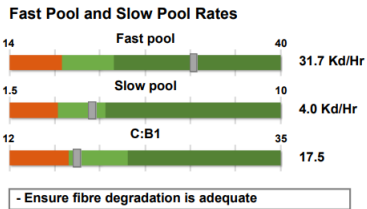
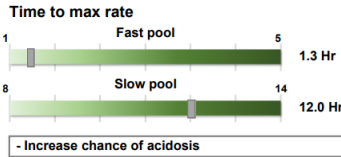
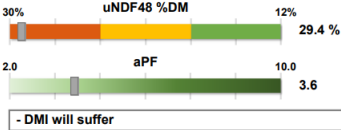
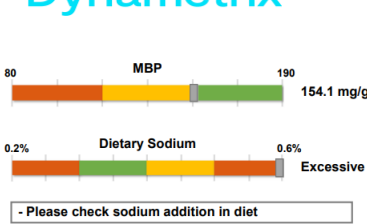
Digestion Rates		Type Probabilities		Time to Max Rate (Hr)	
Fast Pool (Kd/hr)	31.35	Type1	0.0%	Type2	51.5%
Slow Pool/C:B3 (Kd/hr)	4.02	Type3	48.5%	Type4	0.0%
C:B1	17.66				

Fast Pool		Slow Pool	

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Proxima
Dynametrix

Desc: ÐÃ²ú1#

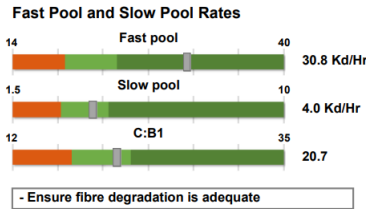
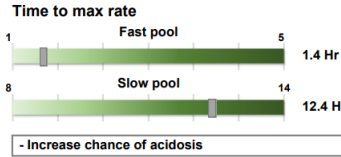
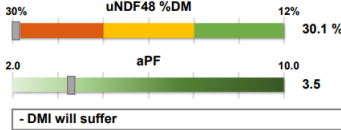
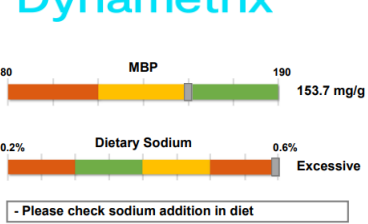


Key Message - Slow "fast pool" and Fast "slow pool"	
TMR rates -Small pool of CB1 that disappears quickly -CB3 Kd: 5-6%/hr	
On-Farm Observations -Grain in manure -Low milk protein -Milk yield lower than expected -Rough hair coats -Poor reproduction	Actions to Consider -Increasing supply of rumen available starch and sugar -Grinding grains finer -Ensure adequate supply of peptide & NPN protein

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Proxima
Dynametrix

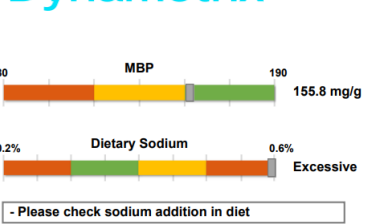
Desc: ÐÃ²ú2#



Key Message - Slow "fast pool" and Fast "slow pool"	
TMR rates -Small pool of CB1 that disappears quickly -CB3 Kd: 5-6%/hr	
On-Farm Observations -Grain in manure -Low milk protein -Milk yield lower than expected -Rough hair coats -Poor reproduction	Actions to Consider -Increasing supply of rumen available starch and sugar -Grinding grains finer -Ensure adequate supply of peptide & NPN protein

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Proxima
Dynametrix



Key Message - Fast "fast pool" and Slow "slow pool"	
TMR rates -CB1 Kd: >25%/hr -CB3 Kd: <5%/hr	
On-Farm Observations -Sore feet, Repro problems, Poor DMI -Ketosis in early lactation cows -Fibre in manure, Low rumen pH -Variability in body condition score -Fat/Protein Inversion in >10% of the herd	Actions to Consider -Increase NDFD by adding non-forage fiber beet pulp, brewers grains, soyhulls

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