



# NOVAMEAL®

## 100% DRY MATTER BASIS

Moisture	10%
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## PROTEIN\*

Crude Protein, %DM	34.27
Soluble Protein, %CP	20.70
RDP, %CP	25.25
RUP, %CP	74.75
RUPD, %CP	68.32
dRUP, %DM	23.41
ADIP, %DM	1.75
NDIP, %DM	2.50

FAT	%DM	%FAT
Ether Extract	3.20	
Total Fatty Acid	2.40	
Saturated Fat	0.46	19
Unsaturated Fat	1.94	81

MINERALS	DM
Ash	6.10%
Calcium	0.08%
Phosphorus	1.00%
Magnesium	0.36%
Potassium	1.16%
Sulfur	0.74%
Sodium	0.21%
Chloride	0.24%
Iron	113 ppm
Manganese	19 ppm
Zinc	57 ppm
Copper	5 ppm

\*Crude Protein, RDP and RUP values are from 30 analyzed samples using a confidence interval of 99%. RUPD value derived using IDP value of 91.4% RUP from Mjoun et al., 2010. JDS 93:4144-4154.

AMINO ACIDS	%DM	%CP
Arginine	1.50	4.39
Histidine	0.97	2.84
Isoleucine	1.36	3.96
Leucine	4.15	12.10
Lysine	1.02	2.99
Methionine	0.64	1.88
Phenylalanine	1.60	4.67
Threonine	1.26	3.68
Tryptophan	0.28	0.81
Valine	1.74	5.07
<b>Total EAA</b>	<b>14.52</b>	<b>42.39</b>

CARBOHYDRATES	%DM
Crude Fiber	7.7
ADF	12.9
aNDF	29.3
Lignin	4.7
Sugar (WSC)	10.7
Starch	6.0
Soluble Fiber	10.7
NFC	27.4

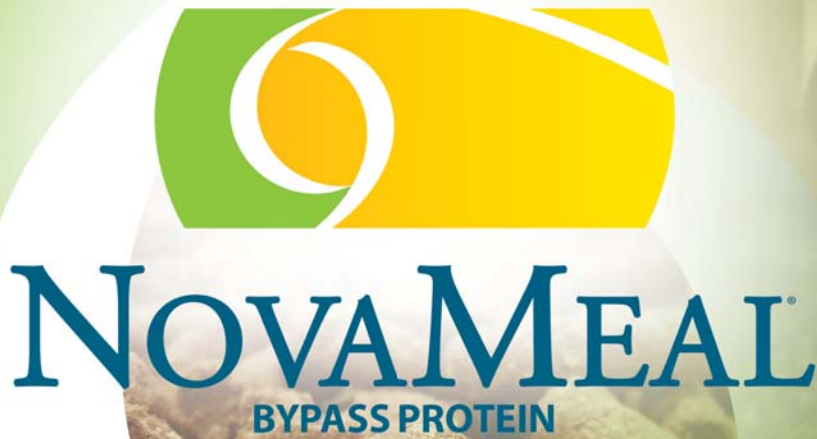
POOLS	%DM	RATE (%/H)	INT. DIG.
CHO A1	0	0	0
CHO A4	10.70	40.0	100
CHO B1	6.00	17.0	75
CHO B2	10.70	30.0	75
CHO B3	26.05	7.2	20
CHO C	3.25	0	0
PRO A1	0	200.0	100
PRO A2	7.04	10.4	100
PRO B1	24.73	3.1	100
PRO B2	0.75	5.0	80
PRO C	1.75	0	0



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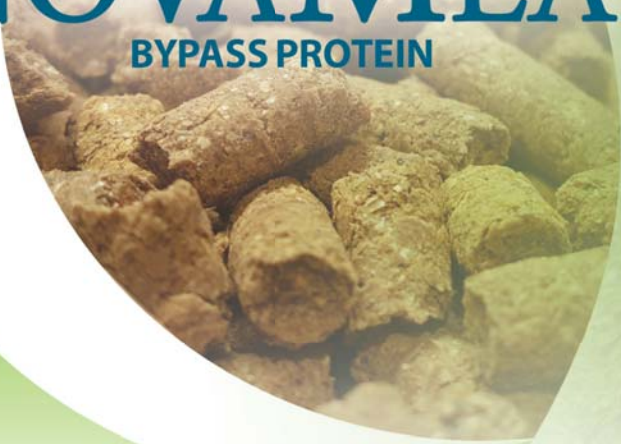
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# NOVAMEAL

BYPASS PROTEIN

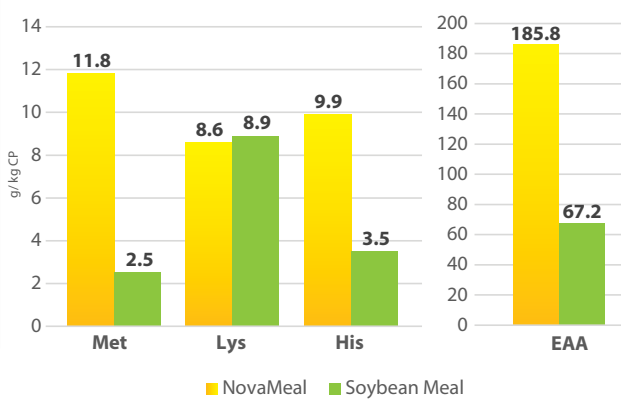


## More Absorbable Protein to the Small Intestine

RUP = Rumen undegradable protein or bypass protein

EAA = Essential Amino Acids

### INTESTINALLY ABSORBABLE AA - SUPPLIED BY RUP\*

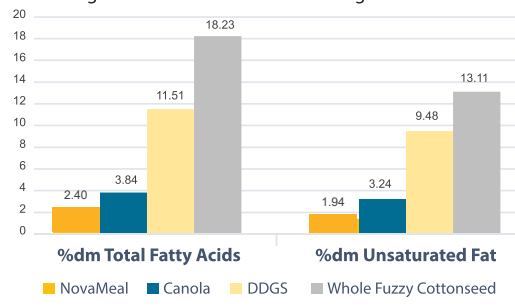


- ### HIGH QUALITY PROTEIN & FIBER
- High in Rumen Undegradable Protein (RUP)
  - High RUP Digestibility (RUPD)
  - High in Digestible Fiber
  - Low in Unsaturated Fat

- ### GREATER VALUE
- ✓ High Inclusion Rates
  - ✓ Improved Milk Components
  - ✓ Improved Overall Economics

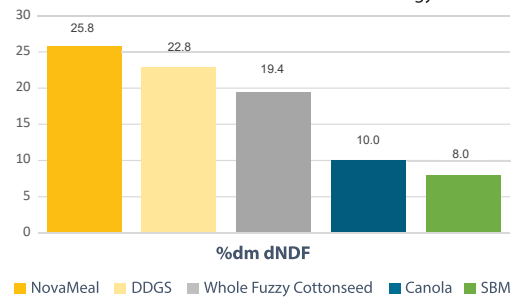
### RUFAL COMPARISON\*\*

Low unsaturated fat levels improve rumen fiber digestion & allow increased feeding rate inclusion



### DIGESTIBLE FIBER (dNDF)\*\*

High levels of digestible fiber improve rumen health and metabolizable energy



**NOVAMEAL**  
BYPASS PROTEIN

View Research & Resources at:  
[www.NovaMeal.com](http://www.NovaMeal.com)

Sources: \*Journal of Dairy Science 93:4144-4154  
\*\*NDS PRO CNCPS 6.5 Feed Table