



DRY MATTER BASIS

Dry Matter	88%
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PROTEIN

Crude Protein, %DM	35.0
Soluble Protein, %CP	8.6
RDP 3x Level 1, %CP*	18.6
RUP 3x Level 1, %CP*	81.5
RUP Digestibility, %RUP*	83.4
Digestible RUP, %DM*	23.9
ADIP, %DM	0.75
NDIP, %DM	5.15

FAT %DM

Ether Extract	3.04
Linoleic Fatty Acid	1.58

MINERALS DM

Ash	5.99%
Calcium	0.09%
Phosphorus	1.00%
Magnesium	0.41%
Potassium	1.39%
Sulfur	0.63%
Sodium	0.20%
Chloride	0.21%
Iron	101 ppm
Manganese	19 ppm
Zinc	71 ppm
Copper	5 ppm

**CNCPS
Feedbank:
SourceID 12127**

SOURCE: Values taken from CNCPS v6.55
*Average analysis collected from 70 samples of weekly or bimonthly composite samples from May 9, 2022 to January 6, 2025 production and tested by Cumberland Valley Analytical Services. Protein analysis from the Multi-Step Protein Evaluation using freeze drying. N=70

AMINO ACIDS %DM %CP

Arginine	1.55	4.44
Histidine	0.89	2.53
Isoleucine	1.31	3.74
Leucine	4.18	11.93
Lysine	1.15	3.29
Methionine	0.65	1.86
Phenylalanine	1.72	4.90
Threonine	1.28	3.65
Tryptophan	0.30	0.86
Valine	1.77	5.05
Total EAA	14.8	42.25

CARBOHYDRATES DM

ADF	14.18%
aNDFom	35.49%
Lignin	2.92%
Sugar (ESC)	7.37%
Starch	3.04%
Soluble Fiber	10.05%
NFC	20.46%
TDN	74.28%
NEL	0.84 Mcal/lb
NEG	0.61 Mcal/lb
NEM	0.9 Mcal/lb
ME	1.31 Mcal/lb

POOLS %DM RATE (%/H) INT. DIG.

CHO A1	0	0	0
CHO A4	7.37	40	100
CHO B1	3.04	17	75
CHO B2	10.05	30	75
CHO B3	32.57	7.2	5
CHO C	2.92	0	0
PRO A1	0	200	100
PRO A2	8.58	10.4	100
PRO B1	21.29	1.8	100
PRO B2	4.40	1.5	80
PRO C	.75	0	0



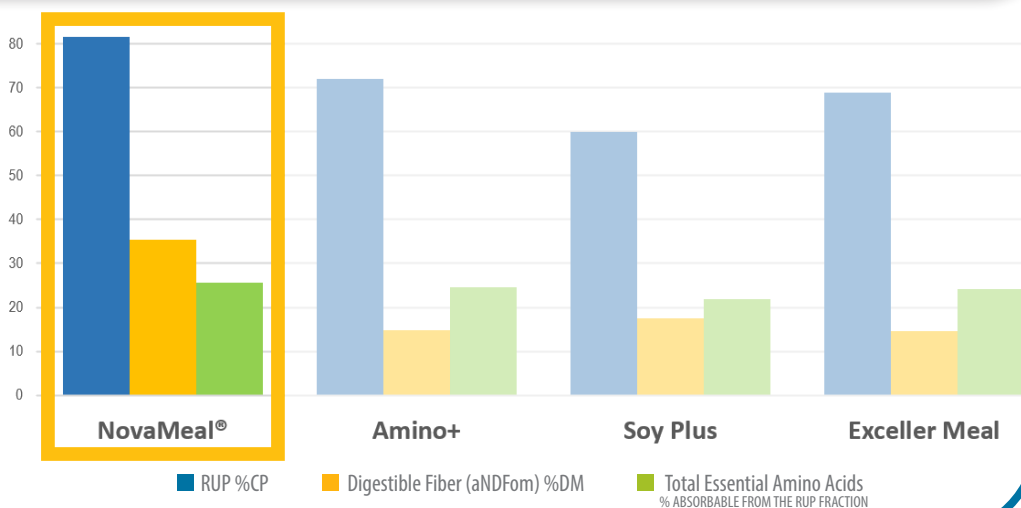
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More Digestible RUP, More Digestible Fiber & More Essential Amino Acids



Source: Values from competing products taken from manufacturer specification sheets and CNCPS 6.55. See the reverse side for more details on NovaMeal.



HIGH QUALITY PROTEIN & FIBER

- High in Digestible Rumen Undegradable Protein (RUP)
- Highly Digestible Fiber
- Low in Unsaturated Fat
- High Levels of Branch Chain Amino Acids including Leucine & Isoleucine - Potent Stimulators of Protein Synthesis

GREATER VALUE

- ✓ Improved Overall Economics
- ✓ Pelleted to Reduce Shrink
- ✓ High Inclusion Rates

Ration Reformulation Examples

Producers are profiting by including NovaMeal in their ration to materially reduce diet cost while maintaining nutrient flow, cow performance and health.

Example #1	Original Ration	NovaMeal Ration
NovaMeal	-	5.68
Bypass SBM	3.01	-
DDGS	3.38	-
SBM	3.89	3.44

Numbers Shown on an As Fed Intake

Ingredient	Original	NovaMeal
7.00	81.25	81.25
10.00	18.75	18.75
15.00	0.75	0.75
20.00	0.75	0.75
25.00	0.75	0.75
30.00	0.75	0.75
35.00	0.75	0.75
40.00	0.75	0.75
45.00	0.75	0.75
50.00	0.75	0.75
55.00	0.75	0.75
60.00	0.75	0.75
65.00	0.75	0.75
70.00	0.75	0.75
75.00	0.75	0.75
80.00	0.75	0.75
85.00	0.75	0.75
90.00	0.75	0.75
95.00	0.75	0.75
100.00	0.75	0.75
105.00	0.75	0.75
110.00	0.75	0.75
115.00	0.75	0.75
120.00	0.75	0.75
125.00	0.75	0.75
130.00	0.75	0.75
135.00	0.75	0.75
140.00	0.75	0.75
145.00	0.75	0.75
150.00	0.75	0.75
155.00	0.75	0.75
160.00	0.75	0.75
165.00	0.75	0.75
170.00	0.75	0.75
175.00	0.75	0.75
180.00	0.75	0.75
185.00	0.75	0.75
190.00	0.75	0.75
195.00	0.75	0.75
200.00	0.75	0.75
205.00	0.75	0.75
210.00	0.75	0.75
215.00	0.75	0.75
220.00	0.75	0.75
225.00	0.75	0.75
230.00	0.75	0.75
235.00	0.75	0.75
240.00	0.75	0.75
245.00	0.75	0.75
250.00	0.75	0.75
255.00	0.75	0.75
260.00	0.75	0.75
265.00	0.75	0.75
270.00	0.75	0.75
275.00	0.75	0.75
280.00	0.75	0.75
285.00	0.75	0.75
290.00	0.75	0.75
295.00	0.75	0.75
300.00	0.75	0.75
305.00	0.75	0.75
310.00	0.75	0.75
315.00	0.75	0.75
320.00	0.75	0.75
325.00	0.75	0.75
330.00	0.75	0.75
335.00	0.75	0.75
340.00	0.75	0.75
345.00	0.75	0.75
350.00	0.75	0.75
355.00	0.75	0.75
360.00	0.75	0.75
365.00	0.75	0.75
370.00	0.75	0.75
375.00	0.75	0.75
380.00	0.75	0.75
385.00	0.75	0.75
390.00	0.75	0.75
395.00	0.75	0.75
400.00	0.75	0.75
405.00	0.75	0.75
410.00	0.75	0.75
415.00	0.75	0.75
420.00	0.75	0.75
425.00	0.75	0.75
430.00	0.75	0.75
435.00	0.75	0.75
440.00	0.75	0.75
445.00	0.75	0.75
450.00	0.75	0.75
455.00	0.75	0.75
460.00	0.75	0.75
465.00	0.75	0.75
470.00	0.75	0.75
475.00	0.75	0.75
480.00	0.75	0.75
485.00	0.75	0.75
490.00	0.75	0.75
495.00	0.75	0.75
500.00	0.75	0.75

Ask your Nutritionist to reformulate with NovaMeal to find your potential savings. Every ration is different, but Nutritionists have found success formulating NovaMeal to replace higher cost ingredients in the diet resulting in savings to the bottom line. View regional ration examples with all the ingredients and output comparison at www.NovaMeal.com/reformulation



NOVAMEAL
BYPASS PROTEIN

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Continuously Tested, Proven Results

View Research & Resources at www.NovaMeal.com

- ✓ NovaMeal's quality is assured through 17 sample points in the production process.
- ✓ Continuously tested via Cumberland Valley Analytical Services (CVAS). Data we share, just ask!
- ✓ 3 research studies published in the Journey of Dairy Science.

