

High-cow ration at Liberty Dairy in Zillah, Washington

DM Nutrient Analysis (DM lbs.)

Dry matter	lbs.	53.92
Moisture	%	46.08
Protein	%	16.33
RUP %CP	%	34.81
RDP %CP	%	65.19
SOL %CP	%	34.02
RUP %CP (CNCPS)	%	40.45
RDP %CP (CNCPS)	%	59.55
ME	Mcal/lb	1.21
NEL (CNCPS)	Mcal/lb	.79
NEg	Mcal/lb	.51
NE _m	Mcal/lb	.79
NFC (CNCPS)	%	42.38
Forage DM	%	56.37
TDN	%	70.16
ADF	%	20.46
NDF	%	30.31
Calcium	%	.99
Phosphorus	%	.33
Potassium	%	1.57



Hay: 11.7 lbs



Silage: 52.1 lbs



Haylage: 6.9 lbs



Soybean meal
with bypass
lysine: 3.4 lbs



Steam-flaked corn:
11.8 lbs



Cottonseed:
3.3 lbs



Canola meal
pellets:
2.4 lbs



Apple pomace:
4.0 lbs

Total pounds
of DM fed
per cow:

55

pounds



Beet pulp:
2 lbs



Flax feed:
.9 lb



Molasses:
2 lbs



Mineral pack:
1.2 lbs†



Sodium
bicarbonate:
.5 lb

Milk
production

83

pounds/cow

no bST use
3X milking
3.7% butterfat
3.1% protein
120,000 SCC

Cost

\$8.27

cow/day

*All amounts listed according to an as-fed basis. Ration scale 1:120.

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