

Cowbytes version 5 Training Module

COWBYTES 5

v5.32

Alberta

Agriculture and Rural Development

Tutorial 1 – Exercise 2 of 3

1,400 lb Cow – 7 Months Pregnant

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OK

Cowbytes Version 5 – Training Module

Tutorial 1 – 1,400 lb Cow

Exercise 2

1,400 lb Cow 7 months pregnant, Body Condition Score 3.0




0.25 lbs body weight gain, January conditions -20C current, -10C previous

85 lb calf expected mid-March

1. Describe Cow and Environmental parameters.
2. Use Feeds from Exercise 1. Change the TDN, Crude Protein and Price of the Hay, Straw and Barley. Add VIT E 50000 from the Feed Table.
3. Balance Ration using Hay, Straw and Grain – Supplied Dry Matter Intake to equal Recommended Dry Matter Intake. Body weight gain should be about 0.25 lbs per day. Balance for Vitamin E.
4. Check Ca:P Ratio at least 1.5:1, 2:1 is better. Meet minimum P requirements first.
5. Review the NDF as a % Body Weight. Press the F1 Key for additional Information.
6. **Feeding Info Tab** – set # days on this Ration. Add \$0.35 per day in the Yardage Box.
7. **Save to Ration Summary** – name the summary **1400 lb Cow 7 Months Pregnant**.
8. Open **Reports | Ration Reports** and select the **Ration Summary** to View.
9. Print the **Ration Summary** (Print to a PDF file)
10. View the other Reports to see what information they contain.
11. Open **Feed Mixes**, provide a **Batch Name** and **Batch Size**. Include 18:18 Mineral, Salt and Vitamin ADE and Vitamin E. **Create Mix**.
12. Open **Reports** and select **Batch Scale Sheet**. Provide First and Last Batch Weights and Increments.
13. Select **Show Dry Matter and As Fed Values**. Select **View Sheets**.
14. From Top Menu Bar, select **Edit | Uncreate Mix**
15. Save the Ration File to the Hard Drive – **File | Save | Ration Filename**

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units    **Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs**

Ration Animal Type **Feed Table** Feeding Info Feed Mixes Client Info Water Modification Config Calculator

Cows - Dry

Body Weight (lbs)
1400

Months Pregnant
7

Breed
British / Continental excluding Simmentals

Expected Birth Wt. (lbs)
85.0

Ionophores
No

Condition Score
3.0 CAN 5 US moderate

Desired ADG (lbs)
0.25

Slaughter/Mature Wt. (lbs)
1400

Current Temperature (C)
-20.0

Wind Speed (km/hr)
5

Hair Condition
dry and clean

Mud in Lot
< 10 cm (4 inches)

Previous Month Temperature (C)
-10.0

Hair Depth (cm)
1.30

Hide Thickness
Average

Heat Stress
No heat stress

Light Cooling

Summer Winter

Restore Environmental Defaults

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

Enter this information for the Cow and Environmental Conditions

Select Winter for Hair Depth

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units **Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs**

Ration Animal Type Feed Table Feeding Info Feed Mixes Client Info Water Modification Config Calculator

Feed Name	DM Fed %	As fed (lbs)	DM fed (lbs)	DM %	DE Mcal/lb	TDN %	Protein %	Calcium %	Phosphorus %	Cost \$/unit	lbs /unit	Magne: %
ALF-GRASS HAY	0.0	0.000	0.000	87.4	1.14	57.00	12.5	1.22	0.19	70.00	2000	
BARLEY STRAW	0.0	0.000	0.000	89.1	0.84	42.00	4.0	0.13	0.08	28.00	2000	
BARLEY GRAIN	0.0	0.000	0.000	88.5	1.60	80.00	12.0	0.07	0.38	4.25	48	
18:18 MINERAL	0.0	0.000	0.000	99.0	0.00	0.00	0.0	18.18	18.18	29.00	55	
FORT TMSALT+SE	0.0	0.000	0.000	99.0	0.00	0.00	0.0	0.00	0.00	12.00	44	
ADE 10 MILLION	0.0	0.000	0.000	99.0	0.00	0.00	0.0	0.00	0.00	68.00	44	
VIT E 50000	0.0	0.000	0.000	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	

Select VIT E 50000 from the Feed Table
Change TDN, Protein and Cost for the Hay, Straw and Grain

Dry Matter Intake Maximum: 38.8 Recommended: 30.3 Supplied: 0 (lbs) As Fed (lbs): 0 Pred. ADG (lbs): To lose 1/2 BCS(Can): 17 days

Results Ratios Methane - Manure

Description	DM %	DE Mcal	TDN lbs	Protein grams	Calcium grams	Phosphorus grams	Cost HD/Day	Magnesium grams
Recommended Nutrients per Day		0.00	0.00	710	0	0		
Supplied from Ration		0.00	0.00	0	0	0	0.00	

Description	Mcal/lb	%	%	%	%	%
Diet Concentration (DM)	0.0	0.00	0.00	0.0	0.00	0.00

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units **Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs**

Ration Animal Type Feed Table Feeding Info Feed Mixes Client Info Water Modification Config Calculator

Feed Name	DM Fed %	As fed (lbs)	DM fed (lbs)	DM %	DE Mcal/lb	TDN %	Protein %	Calcium %	Phosphorus %	Cost \$/unit	lbs /unit	Magne: %
ALF-GRASS HAY	73.9	25.900	22.637	87.4	1.14	57.00	12.5	1.22	0.19	70.00	2000	
BARLEY STRAW	25.6	8.800	7.841	89.1	0.84	42.00	4.0	0.13	0.08	28.00	2000	
BARLEY GRAIN	0.0	0.000	0.000	88.5	1.60	80.00	12.0	0.07	0.38	4.25	48	
18:18 MINERAL	0.2	0.060	0.059	99.0	0.00	0.00	0.0	18.18	18.18	29.00	55	
FORT TMSALT+SE	0.2	0.070	0.069	99.0	0.00	0.00	0.0	0.00	0.00	12.00	44	
ADE 10 MILLION	0.0	0.006	0.006	99.0	0.00	0.00	0.0	0.00	0.00	68.00	44	
VIT E 50000	0.0	0.012	0.010	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	

**Supplied Dry Matter Intake should equal the Recommended DM Intake
Adjust the As Fed (lbs) so the TDN Recommended equals Supplied**

Dry Matter Intake Maximum: 38.8 Recommended: 30.6 Supplied: 30.6 (lbs) As Fed (lbs): 34.8 Pred. ADG (lbs): 0.3 To gain 1/2 BCS(Can): > 400 days




Results Ratios Methane - Manure

Description	DM %	DE Mcal	TDN lbs	Protein grams	Calcium grams	Phosphorus grams	Cost HD/Day	Magnesium grams
Recommended Nutrients per Day		32.2	16.17	828	33	21		
Supplied from Ration		32.32	16.20	1426	135	27	1.12	
Description		Mcal/lb	%	%	%	%		%
Diet Concentration (DM)	87.9	1.06	52.89	10.3	0.97	0.20		0.

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units    **Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs**

Ration Animal Type Feed Table Feeding Info Feed Mixes Client Info Water Modification Config Calculator

Feed Name	DM Fed %	As fed (lbs)	DM fed (lbs)	DM %	DE Mcal/lb	TDN %	Protein %	Calcium %	Phosphorus %	Cost \$/unit	lbs /unit	Magne: %
ALF-GRASS HAY	73.9	25.900	22.637	87.4	1.14	57.00	12.5	1.22	0.19	70.00	2000	
BARLEY STRAW	25.6	8.800	7.841	89.1	0.84	42.00	4.0	0.13	0.08	28.00	2000	
BARLEY GRAIN	0.0	0.000	0.000	88.5	1.60	80.00	12.0	0.07	0.38	4.25	48	
18:18 MINERAL	0.2	0.060	0.059	99.0	0.00	0.00	0.0	18.18	18.18	29.00	55	
FORT TMSALT+SE	0.2	0.070	0.069	99.0	0.00	0.00	0.0	0.00	0.00	12.00	44	
ADE 10 MILLION	0.0	0.006	0.006	99.0	0.00	0.00	0.0	0.00	0.00	68.00	44	
VIT E 50000	0.0	0.012	0.010	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	

Click on the Ratios tab
The Ca:P Ratio should be at least 1.5:1 2:1 is better
The NDF as % BW should not be higher than 1.2

Dry Matter Intake Maximum: 38.8 Recommended: 30.6 Supplied: 30.6 (lbs) As Fed (lbs): 34.8 Pred. ADG (lbs): 0.3 To gain 1/2 BCS(Can): > 400 days




Results Ratios Methane - Manure

Ca : P 4.95	K/(Mg+Ca) 0.6	Forage DM as % BW 2.2	NDF as %BW 1.2	Feed:Gain (DM) 120.4	Diet DM % 87.9
Cu : Mo 9.9	(Na+K) - (Cl+S) 336	DMI as % BW 2.2	% Forage (DM) 99.5	Rumen pH Normal	DIP/TDN % 15.4

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units    **Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs**

Ration Animal Type Feed Table Feeding Info Feed Mixes Client Info Water Modification Config Calculator

Feed Name	DM Fed %	As fed (lbs)	DM fed (lbs)	DM %	DE Mcal/lb	TDN %	Protein %	Calcium %	Phosphorus %	Cost \$/unit	lbs /unit	Magne: %
ALF-GRASS HAY	73.9	25.900	22.637	87.4	1.14	57.00	12.5	1.22	0.19	70.00	2000	
BARLEY STRAW	25.6	8.800	7.841	89.1	0.84	42.00	4.0	0.13	0.08	28.00	2000	
BARLEY GRAIN	0.0	0.000	0.000	88.5	1.60	80.00	12.0	0.07	0.38	4.25	48	
18:18 MINERAL	0.2	0.060	0.059	99.0	0.00	0.00	0.0	18.18	18.18	29.00	55	
FORT TMSALT+SE	0.2	0.070	0.069	99.0	0.00	0.00	0.0	0.00	0.00	12.00	44	
ADE 10 MILLION	0.0	0.006	0.006	99.0	0.00	0.00	0.0	0.00	0.00	68.00	44	
VIT E 50000	0.0	0.012	0.010	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	

Click in the NDF as %BW box
Press the F1 Key for additional information from Help
This feature is found throughout Cowbytes

Dry Matter Intake Maximum: 38.8 Recommended: 30.6 Supplied: 30.6 (lbs) As Fed (lbs): 34.8 Pred. ADG (lbs): 0.3 To gain 1/2 BCS(Can): > 400 days




Results Ratios Methane - Manure

Ca : P	K/(Mg+Ca)	Forage DM as % BW	NDF as %BW	Feed:Gain (DM)	Diet DM %
4.95	0.6	2.2	1.2	120.4	87.9
Cu : Mo	(Na+K) - (Cl+S)	DMI as % BW	% Forage (DM)	Rumen pH	DIP/TDN %
9.9	336	2.2	99.5	Normal	15.4

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units    **Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs**




Ration Animal Type Feed Table Feeding Info Feed Mixes Client Info Water Modification Config Calculator

of days on this Ration # of head Yardage \$/hd/day Total Ration Cost (\$) Feed Cost/Lb of gain (\$)

30 150 0.35 7439.7 5.12

Feed Name	Home	Purch	Package Weight	Package Type	Waste Factor	No. Packages
ALF-GRASS HAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1400	Rnd. Bal	15	97.9
BARLEY STRAW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	900	Rnd. Bal	15	51.8
18:18 MINERAL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	55	Bag	0	4.91
FORT TMSALT+SE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	44	Block	0	7.2
ADE 10 MILLION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	44	Bag	0	0.61
VIT E 50000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	55	Bag	0	0.98

- Enter # of Days on this Ration and # of Head
- Check Home or Purchased
- Adjust the Package Weight (weight of the bale, bag, block, etc.)
- Select the Type of Package from the Drop Down List
- A Waste Factor can be Included (5% to 25%)

 Manage Ration Summaries  Save to Ration Summary  Open Ration Summary Report

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs

Ration Animal Type Feed Modification Config Calculator

of days on this Ration # of
30 150

Feed Name	Home
▶ ALF-GRASS HAY	<input checked="" type="checkbox"/>
BARLEY STRAW	<input checked="" type="checkbox"/>
18:18 MINERAL	<input type="checkbox"/>
FORT TMSALT+SE	<input type="checkbox"/>
ADE 10 MILLION	<input type="checkbox"/>
VIT E 50000	<input type="checkbox"/>

Name or Rename Ration Summary

Provide a name for this ration summary or
Click the dropdown box to choose
an existing ration summary to update

1400 LB COW 7 MONTHS PREG ▼

Cancel Ok

Click Save to Ration Summary Button
Enter 1400 lb Cow 7 Months Pregnant

Manage Ration Summaries Save to Ration Summary Open Ration Summary Report

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

Create a Ration Report from the Top Menu Bar

Client

Tutorial 1- Exercise 2
1400 lb Cow
7 Months Pregnant

Consultant

Cowbytes version 5 - Training

This is the Ration Report

Ph: Fax:

Summary:	1400 LB COW 7 MONTHS PREGNANT	No. of Head	150
Animal Desc.	Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs		
Predicted ADG:	0.25 Lbs	To gain 1/2 BCS(Can)	> 400 days
Hair Condition:	dry and clean	Current Temperature (C)	-20.0
Mud in Lot:	< 10 cm. (4 inches)	Previous Month Temperature (C)	-10.0
On Pasture:	no	Wind Speed (km/hr)	5.0

Feed Name	As Fed		% of \$/Head	Package	By Group per Day *		By group per 30 days *		
	Lbs	Wastage %			Type	Weight	Packages	Cost	Packages
ALF-GRASS HAY	25.900	15.0	74.3	\$1.07 Rnd. Bal	1400	3.3	\$159.90	97.9	\$4,797
BARLEY STRAW	8.800	15.0	25.3	\$0.14 Rnd. Bal	900	1.7	\$21.76	51.8	\$653
18:18 MINERAL	0.060		0.2	\$0.03 Bag	55	0.2	\$4.75	4.9	\$142
FORT TMSALT+SE	0.070		0.2	\$0.02 Block	44	0.2	\$2.88	7.2	\$86
ADE 10 MILLION	0.006		0.0	\$0.01 Bag	44	0.0	\$1.38	0.6	\$41
VIT E 50000	0.012		0.0	\$0.03 Bag	55	0.0	\$4.77	1.0	\$143
Total	34.848						\$195.44		\$5,863
Feed Cost/Lb. gain			\$5.12		Home		\$181.66		\$5,450
Cost/Lb. gain including yardage			\$6.50		Purchased		\$13.78		\$413

* Includes waste % in package and cost calculations

Ratios and Other Information

Ca:P	4.95	Rumen pH	Normal	Feed:Gain	120.4
Cu:Mo	9.9	DM % of BW	2.2	Diet DM %	87.9
K /(Mg + Ca)	0.6	Forage DM % DM	2.2	IIDF as % BW	1.2
DCAB	336	Forage %	99.5	DIP/TDH %	15.4

Notes:

Print Preview

83% 2 Close

COWBYTES 5.2.7 AARD **Ratio Report**

Nutrient(DM basis)	Supplied Feed Only	Recommended	Diet Concentration
DM Intake	30.6	30.6 Lbs	87.9 %
DE	32.32	32.27 Mcal	1.06 Mcal/lb
TDN	16.20	16.17 lbs	52.89 %
NEEmTot	13.67	13.67 Mcal	0.48 Mcal/lb
NEg	0.53	0.52 Mcal	0.23 Mcal/lb
Protein	1426	828 grams	10.3 %
Calcium	135	33 grams	0.97 %
Phosphorus	27	21 grams	0.20 %
Magnesium	31	17 grams	0.23 %
Potassium	219	83 grams	1.58 %
Sulphur	22	21 grams	0.16 %
Sodium	21	11 grams	0.15 %
Chloride	18	grams	0.13 %
Salt	31	28 grams	0.22 %
Vitamin A	40822	38813 IU	2.9 KIU/kg
Vitamin E	298*	300 IU	21 IU/kg
Copper	237	139 mg	17 mg/kg
Manganese	794	554 mg	57 mg/kg
Zinc	807	541 mg	58 mg/kg
Selenium	5.04	2.63 mg	0.36 mg/kg
Iodine	4.7*	6.9 mg	0.3 mg/kg
Cobalt	2.5	1.4 mg	0.2 mg/kg
Iron	2943	693 mg	212 mg/kg
Molybdenum	24	mg	2 mg/kg
HDF	57.0	%	57.0 %
eHDF	95.6	20.0 %	95.6 % of NDF
DIP	1135	588 grams	79.6 % of CP
UIP	291	240 grams	20.4 % of CP
MP	959	568 grams	0
Ionophore	0	mg	0 mg/kg
Other	0.00		0.0

* Nutrient Supplied is not within recommended range

Page 2 of 2

This is page 2 of the Ration Report

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs

Ration Animal Type Feed Table Feeding Info **Feed Mixes** Client Info Water Modification Config Calculator

Create Mix AS Fed Total
0.1

MixName BATCHMIX Batch Size 2000 Lbs DM %
97.9

Feed Name	in	As Fed Lbs	DM fed %	as fed %
ALF-GRASS HAY	<input type="checkbox"/>	25.900	0.0	0.0
BARLEY STRAW	<input type="checkbox"/>	8.800	0.0	0.0
BARLEY GRAIN	<input type="checkbox"/>	0.000	0.0	0.0
18:18 MINERAL	<input checked="" type="checkbox"/>	0.060	41.0	40.5
FORT TMSALT+S	<input checked="" type="checkbox"/>	0.070	47.8	47.3
ADE 10 MILLION	<input checked="" type="checkbox"/>	0.006	4.1	4.1
VIT E 50000	<input checked="" type="checkbox"/>	0.012	7.1	8.1

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

Enter this information in the Feed Mixes Section

Check the appropriate In boxes to include the feeds in the Batch Mix

Click the Create Mix Button when finished

Batch Scale Sheets Setup

Select Mix
 BATCHMIX

First Batch Weight: 500 Last Batch Weight: 5000 Increment between weights: 500

Set Defaults for Rounding Feedstuffs

From	To	
0	100	0.01 lbs
100	100	0.1 lbs
100	100	0.5 lbs
100	100	1 lbs
100	100	5 lbs
	Greater than	
>	100	0.1 lbs

Choose order to add Feedstuffs
 (use drag and drop)

18:18 MINERAL
 FORT TMSALT+SE
 ADE 10 MILLION
 VIT E 50000

Show dry matter and as fed values

View Sheets Quit

From the Top Menu Bar select
Reports Batch Scale Sheets

Enter this information
 in the **Batch Scale Sheets
 Setup Section**

Click the **View Sheets
 Button** when finished

Feed Name	As Fed		Scale		Scale		Scale		Scale	
	% of Mix	Amount	Reading	Amount	Reading	Amount	Reading	Amount	Reading	
18:18 MINERAL	40.54	202.70	202.70	405.40	405.40	608.10	608.10	810.80	810.80	
FORT TMSALT+SE	47.30	236.50	439.20	473.00	878.40	709.50	1317.60	945.90	1756.70	
ADE 10 MILLION	4.05	20.30	459.50	40.50	918.90	60.80	1378.40	81.10	1837.80	
VIT E 50000	8.11	40.50	500.00	81.10	1000.00	121.60	1500.00	162.20	2000.00	
Batch Total		500		1000		1500		2000		

Feed Name	As Fed		Scale		Scale		Scale		Scale	
	% of Mix	Amount	Reading	Amount	Reading	Amount	Reading	Amount	Reading	
18:18 MINERAL	40.54	1013.50	1013.50	1216.20	1216.20	1418.90	1418.90	1621.60	1621.60	
FORT TMSALT+SE	47.30	1182.40	2195.90	1418.90	2635.10	1655.40	3074.30	1891.90	3513.50	
ADE 10 MILLION	4.05	101.40	2297.30	121.60	2756.70	141.90	3216.20	162.20	3675.70	
VIT E 50000	8.11	202.70	2500.00	243.20	2999.90	283.80	3500.00	324.30	4000.00	
Batch Total		2500		3000		3500		4000		

Feed Name	As Fed		Scale		Scale		Scale		Scale	
	% of Mix	Amount	Reading	Amount	Reading	Amount	Reading	Amount	Reading	
18:18 MINERAL	40.54	1824.30	1824.30	2027.00	2027.00					
FORT TMSALT+SE	47.30	2128.40	3952.70	2364.90	4391.90					
ADE 10 MILLION	4.05	182.40	4135.10	202.70	4594.60					
VIT E 50000	8.11	364.90	4500.00	405.40	5000.00					
Batch Total		4500		5000						

Analysis for BATCHMIX

Nutrient	Dry Matter	As Fed	Units
DM	100.00	97.95	%
DE	0.00	0.00	Mcal/lb

This is the Batch Scale Sheet or Batch Mix Report which includes the Nutrient Profile

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit **Feed Table** Reports Yardage Calculator Help

Canadian units

Cows - Dry - 1400lbs, Preg:7Months, Exp. Birth Wt:85.00lbs

Ration Animal Type Feed Table Feeding Info Feed Mixes Client Info Water Modification Config Calculator

Feed Name	DM Fed %	As fed (lbs)							orus	Cost \$/unit	lbs /unit	Magne: %
BATCHMIX	0.5	0.148							7.45	1241.28	2000	
ALF-GRASS HAY	73.9	25.900							0.19	70.00	2000	
BARLEY STRAW	25.6	8.800							0.08	28.00	2000	
BARLEY GRAIN	0.0	0.000	0.000	88.5	1.60	80.00	12.0	0.07	0.38	4.25	48	
18:18 MINERAL	0.0	0.000	0.000	99.0	0.00	0.00	0.0	18.18	18.18	29.00	55	
FORT TMSALT+SE	0.0	0.000	0.000	99.0	0.00	0.00	0.0	0.00	0.00	12.00	44	
ADE 10 MILLION	0.0	0.000	0.000	99.0	0.00	0.00	0.0	0.00	0.00	68.00	44	
VIT E 50000	0.0	0.000	0.000	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	

From the Top Menu Bar select Edit Uncreate Mix

Dry Matter Intake Maximum 38.8 Recommended 30.6 Supplied 30.6 (lbs) As Fed (lbs) 34.8 Pred. ADG (lbs) 0.3 To gain 1/2 BCS(Can) > 400 days

Results Ratios Methane - Manure

Ca : P	K/(Mg+Ca)	Forage DM as % BW	NDF as %BW	Feed:Gain (DM)	Diet DM %
4.95	0.6	2.2	1.2	120.4	87.9
Cu : Mo	(Na+K) - (Cl+S)	DMI as % BW	% Forage (DM)	Rumen pH	DIP/TDN %
9.9	336	2.2	99.5	Normal	15.5

Ration: Cowbytes Training 1400 lb Cow Tutorial.cml Feed Table: system.fml

From the Top Menu Bar select **File Save**
Select **Cowbytes Training 1400 lb Cow Tutorial.cml**
click **Save**

