

CowBytes Version 5 Training Module 1100 lb Bred Heifer



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Cowbytes Version 5 – Training Module

Tutorial 3 – 1100 pound bred heifer

20month old, 1100 pound bred British cross heifer. 7 months pregnant.

1.0 lb body weight gain, January conditions -20° C current, -10° C previous. Calf birth weight 85 lbs.

Winter hair coat. 5 km wind. No ionophore. Expected slaughter weight 1450 pounds. No ionophore

1. Describe the animal and Environmental parameters using Animal type tab.
2. From the feed table tab, select timothy hay, dried distillers grains (DDGS Wheat), limestone, barley grain, pea straw, fort TM salt + selenium, Vitamin ADE 10 million and Vitamin E 50,000. Change timothy name to “Ted’s field”. Reduce the NDF values in the pea straw and timothy hay to 56%
3. Balance Ration using feeds selected – Supplied Dry Matter Intake not to exceed Recommended Dry Matter Intake. The ration should have 10% protein (minimum) . Body weight gain should be about 1.0 lbs per day.
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** – 100 heifers fed for 65 days on this Ration. Add \$0.45 per day in the Yardage Box.
7. **Save to Ration Summary** – name the summary **110 lb bred heifer**.
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. Create a grain mix with the barley, distillers grain, salt and vitamins. Open **Feed Mixes**, provide a **Batch Name** and **Batch Size**. **Create the Mix**.
12. Create a second ration report. Print off the third page for the grain mix inclusion rates.
13. From Top Menu Bar, select **Edit | Uncreate Mix**
14. Create a summary report – **Reports | Ration summary report | View Summary Report**
15. Save the Ration File to the Hard Drive – **File | Save | Ration Filename**

Canadian units

Bred Heifers - 1100lbs

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

Bred Heifers

Body Weight (lbs)

1100

Breed

British / Continental excluding Simmentals

Ionophores

No

Condition Score

3.0 CAN 5 US moderate

Desired ADG (lbs)

1.00

Slaughter/Mature Wt. (lbs)

1450

Months Pregnant

7

Expected Birth Wt. (lbs)

85.0

Enter information for the heider and Environmental Conditions

Select Winter for Hair Depth

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

Hair Thickness

Average

Heat Stress

No heat stress

Night Cooling

Summer

Winter

Restore Environmental Defaults

**Adding feed to the Ration Screen:
Click on Feed Table tab**

**Use the feed
group tabs**

COWBYTES 5.3.1 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units

Bred Heifers - 1100lbs

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

All MIX HAY SILAGE STRAW CHAFF GRAIN BYPROD SUPPLE MINERAL SALT VITAMIN M




Feed Group	Feed Name	In	Add	DE Mcal/lb	TDN %	Protein %	Calcium %	Phospho %
VITAMIN	ADE + SE 30M	<input type="checkbox"/>	<input type="checkbox"/>	0.00	0.00	0.0	0.00	0
VITAMIN	ADE 10 MILLION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.00	0.00	0.0	0.00	0
VITAMIN	ADE 4 MILLION	<input type="checkbox"/>	<input type="checkbox"/>	0.00	0.00	0.0	0.00	0
VITAMIN	VIT E 50000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.00	0.00	0.0	0.00	0

**Feeds on the ration
screen have a red
check mark.**

**Add feeds to the ration screen
by clicking in the "Add" box
beside the required feed.**

COWBYTES 5.3.1 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units    **Bred Heifers - 1100lbs**

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 %	NEm Mcal/lb	NEg Mcal/lb	Protein %	Calcium %	Phosphorus %	Cost \$/unit	lbs /unit	Magnesium %
TIMOTHY HAY	0.0	0.000	0.000	88.2	0.59	0.33	8.8	0.49	0.16	50.00	2000	0.16
PEA STRAW	0.0	0.000	0.000	89.2	0.44	0.19	6.5	0.85	0.08	30.00	2000	0.23
BARLEY GRAIN	0.0	0.000	0.000	88.5	0.92	0.62	12.5	0.07	0.38	3.90	48	0.14
DDGS WHEAT	0.0	0.000	0.000	92.4	0.82	0.54	39.3	0.17	0.96	180.00	2205	0.38
LIMESTONE	0.0	0.000	0.000	99.0	0.00	0.00	0.0	38.38	0.00	5.50	55	0.00
FORT TMSALT+SE	0.0	0.000	0.000	99.0	0.00	0.00	0.0	0.00	0.00	12.00	44	0.00
ADE 10 MILLION	0.0	0.000	0.000	99.0	0.00	0.00	0.0	0.00	0.00	68.00	44	0.00
VIT E 50000	0.0	0.000	0.000	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	0.00

Click on the light bulb to change between energy systems (TDN / DE and Net energy)

Dry Matter Intake: Maximum: Recommended: Supplied: (lbs)

As Fed (lbs): Pred. ADG (lbs): To lose 1/2 BCS(Can):

Results Ratios Methane - Manure

Description	DM %	NEmTot Mcal	NEg Mcal	Protein grams	Calcium grams	Phosphorus grams	Cost HD/Day	Magnesium grams
Recommended Nutrients per Day		10.03	1.94	740	0	0		14
Supplied from Ration		0.00	0.00	0	0	0	0.00	0

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

Ration: startup.cml Feed Table: system

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	Magnesium %
TIMOTHY HAY	52.8	16.000	14.112	88.2	1.19	59.53	8.8	0.49	0.16	50.00	2000	0.16
PEA STRAW	33.4	10.000	8.920	89.2	1.00	50.00	6.5	0.85	0.08	30.00	2000	0.23
BARLEY GRAIN	8.3	2.500	2.212	88.5	1.66	83.10	12.5	0.07	0.38	3.90	48	0.14
DDGS WHEAT	5.2	1.500	1.386	92.4	1.52	76.00	39.3	0.17	0.96	180.00	2205	0.38
LIMESTONE	0.0	0.000	0.000	99.0	0.00	0.00	0.0	38.38	0.00	5.50	55	0.00
FORT TMSALT+SE	0.2	0.065	0.064	99.0	0.00	0.00	0.0	0.00	0.00	12.00	44	0.00
ADE 10 MILLION	0.0	0.010	0.010	99.0	0.00	0.00	0.0	0.00	0.00	68.00	44	0.00
VIT E 50000	0.0	0.012	0.010	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	0.00

**Dry Matter Intake should be less than or equal to the Recommended DM Intake
Adjust the As Fed (lbs) of the different feeds so the TDN "Recommended" is close to the amount "Supplied"**

Dry Matter Intake	Maximum	Recommended	Supplied	As Fed (lbs)	Pred. ADG (lbs)	To gain 1/2 BCS(Can)
33	28.6	26.7	(lbs)	30.1	1	88 days

Description	DM %	DE Mcal	TDN lbs	Protein grams	Calcium grams	Phosphorus grams	Cost HD/Day	Magnesium grams
Recommended Nutrients per Day		31.40	15.73	897	36	21		16
Supplied from Ration		31.44	15.75	1199	68	23	0.94	23

Description	DM %	DE Mcal/lb	%	%	%	%	%
Diet Concentration (DM)	88.8	1.18	58.97	9.9	0.56	0.19	0.19

Ration	Animal Type	Feed Table	Feeding Info	Feed Mixes	Client Info	Water	Modification	Config	Calculator							
Feed Name	DM Fed %	As fed (lbs)	Sulphur %	Sodium %	Chloride %	Salt %	Vitamin A KIU/kg	Vitamin E IU/kg	Copper mg/kg	Manganese mg/kg	Zinc mg/kg	Selenium mg/kg	Iodine mg/kg	Cobalt mg/kg	Iron mg/kg	Molybdenum mg/kg
ALF-GRASS HAY	0.0	0.000	0.17	0.02	0.00	0.00	0.0	0	6	40	23	0.03	0.0	0.0	200	
SILG BARLEY	67.0	30.000	0.22	0.19	0.00	0.00	0.0	0	5	33	27	0.03	0.0	0.0	300	
BARLEY GRAIN	26.8	5.000	0.14	0.02	0.00	0.00	0.0	0	6	17	40	0.03	0.0	0.0	80	
32-0 BEEF SUPP	5.5	1.000	0.44	2.22	0.00	5.56	111.0	167	222	444	667	2.22	11.1	4.4	0	
LIMESTONE	0.7	0.110	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00	0.0	0.0	0	
VIT E 50000	0.1	0.011	0.00	0.00	0.00	0.00	0.0	55000	0	0	0	0.00	0.0	0.0	0	

Use the scroll button or the directional arrows to view more of the spreadsheet and more nutrients



Dry Matter Intake	Maximum	Recommended	Supplied	As Fed (lbs)	Pred. ADG (lbs)	BCS Days
	19.4	16.7	16.5 (lbs)	36.1	2.3	N/A

Description	Sulphur grams	Sodium grams	Chloride grams	Salt grams	Vitamin A IU	Vitamin E IU	Copper mg	Manganese mg	Zinc mg	Selenium mg	Iodine mg	Cobalt mg	Iron mg	Molybdenum mg
Recommended Nutrients per Day	11	6		15	35053	114	76	288	296	1.44	3.8	0.8	379	
Supplied from Ration	16	19	0	23	45314	304	128	381	488	1.12	4.5	1.8	1663	

Description	%	%	%	%	KIU/kg	IU/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg
Diet Concentration (DM)	0.21	0.25	0.00	0.30	6.1	41	17	51	65	0.15	0.6	0.2	222	

COWBYTES 5.2.7 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units Feeders and Replacements - 650lbs, Steer, ADG:2.3lbs

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	Magnesium %	Potassium %	Sulphur %	Sodium %
ALF-GRASS HAY	0.0	0.000	0.000	87.4	1.20	60.00	14.0	1.22	0.19	60.00	2000	0.26	1.65	0.17	0.02
SILG BARLEY	67.0	30.000	11.040	36.8	1.25	62.56	11.1	0.46	0.27	27.00	2000	0.22	1.60	0.22	0.19
BARLEY GRAIN	26.8	5.000	4.425	88.5	1.66	83.10	12.5	0.07	0.38	3.90	48	0.14	0.54	0.14	0.02
32-0 BEEF SUPP	5.5	1.000	0.900	90.0	1.39	69.72	35.6	3.33	1.67	494.00	2205	0.22	0.44	0.44	2.22
LIMESTONE	0.7	0.110	0.109	99.0	0.00	0.00	0.0	38.38	0.00	4.00	55	0.00	0.00	0.00	0.00
VIT E 50000	0.1	0.011	0.009	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	0.00	0.00	0.00	0.00

Use "Ration Rules of Thumb" for protein requirements of smaller calves.

Cowbytes is based on NRC requirements

Dry Matter Intake: 19.4 (Maximum), 16.7 (Recommended), 16.5 (Supplied) (lbs)

As Fed (lbs): 36.1, Pred. ADG (lbs): 2.3, BCS Days: N/A

Results Ratios Methane - Manure

Description	DM %	DE Mcal	TDN lbs	Protein grams	Calcium grams	Phosphorus grams	Cost HD/Day	Magnesium grams	Potassium grams	Sulphur grams	Sodium grams	Chk gra
Recommended Nutrients per Day		21.93	10.99	843	34	18		8	46	11	6	
Supplied from Ration		22.38	11.21	952	57	28	1.07	15	93	16	19	
Description		Mcal/lb	%	%	%	%		%	%	%	%	
Diet Concentration (DM)	45.6	1.36	68.02	12.7	0.76	0.37		0.20	1.24	0.21	0.25	

Ration: system Feed Table: system

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	Magnesium %
TIMOTHY HAY	52.8	16.000	14.112	88.2	1.19	59.53	8.8	0.49	0.16	50.00	2000	0.16
PEA STRAW	33.4	10.000	8.920	89.2	1.00	50.00	6.5	0.85	0.08	30.00	2000	0.23
BARLEY GRAIN	8.3	2.500	2.212	88.5	1.66	83.10	12.5	0.07	0.38	3.90	48	0.14
DDGS WHEAT	5.2	1.500	1.386	92.4	1.52	76.00	39.3	0.17	0.96	180.00	2205	0.38
LIMESTONE	0.0	0.000	0.000	99.0	0.00	0.00	0.0	38.38	0.00	5.50	55	0.00
FORT TMSALT+SE	0.2	0.065	0.064	99.0	0.00	0.00	0.0	0.00	0.00	12.00	44	0.00
ADE 10 MILLION	0.0	0.010	0.010	99.0	0.00	0.00	0.0	0.00	0.00	68.00	44	0.00
VIT E 50000	0.0	0.012	0.010	86.0	0.00	0.00	0.0	0.00	0.00	146.00	55	0.00

A Click on the Ratio's tab to check:
 1) Ca : P Ratio 2) NDF as % of BW
 3) Tetany Ratio 4) Diet DM%

DM Matter	Maximum	Recommended	Supplied	As Fed (lbs)	Pred. ADG (lbs)	To gain 1/2 BCS(Can)
Intake	33	28.6	26.7 (lbs)	30.1	1	88 days

Results	Ratios	Methane - Manure
Ca : P	K/(Mg+Ca)	Forage DM as % BW
2.88	0.7	2.1
		NDF as %BW
		1.2
		Feed:Gain (DM)
		26.7
		Diet DM %
		88.8
Cu : Mo	(Na+K) - (Cl+S)	DMI as % BW
6	285	2.4
		% Forage (DM)
		86.2
		Rumen pH
		Normal
		DIP/TDN %
		11.5

# of days on this Ration	# of head	Yardage \$/hd/day	Total Ration Cost (\$)	Feed Cost/Lb of gain (\$)
100	65	0.45	9039.1	0.94

Feed Name	Home	Purch	Package Weight	Package Type	Waste Factor	No. Packages
TIMOTHY HAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1250	Rnd. Bale	0	83.2
PEA STRAW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	900	Rnd. Bale	0	72.2
BARLEY GRAIN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	48	Bushels	0	338.5
DDGS WHEAT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2205	Tonnes	0	4.42
FORT TMSALT+SE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	44	Bag	0	9.6
▶ ADE 10 MILLION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	44	Bag	0	1.48
VIT E 50000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	55	Bag	0	1.42

- Enter # of Days on this Ration and # of Head
- Enter yardage cost
- Check Home or Purchased feed
- 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%)

COWBYTES 5.3.1 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units Bred Heifers - 1100lbs

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

of days on this Ration: 100 # of head: 65 Yardage \$/hd/day: 0.45 Total Ration Cost (\$): 9039.1 Feed Cost/Lb of gain (\$): 0.94

Feed Name	Home	Purch	Package Weight	Package Type	Waste Factor	No. Packages
TIMOTHY HAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1250	Rnd. Bale		83.2
PEA STRAW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	900	Rnd. Bale		72.2
BARLEY GRAIN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	48	Bushels		338.5
DDGS WHEAT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2205	Tonnes		4.42
FORT TMSALT+SE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	44	Bag		9.6
▶ ADE 10 MILLION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	44	Bag		1.48
VIT E 50000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	55	Bag		1.42

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

Replacement Heifers

Cancel Ok

#2
This box appears when the "Save to Ration Summary" button is clicked.

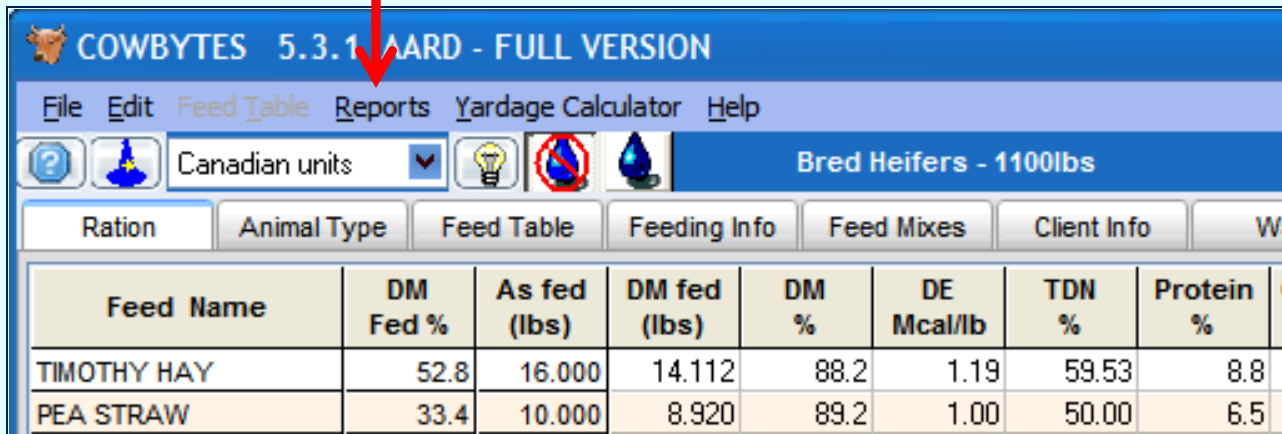
Click "ok" 3#

#1 Click Save to Ration Summary Button
Enter a name for the file such as : Replacement heifers

Manage Ration Summaries Save to Ration Summary Open Ration Summary Report

Ration: startup.cml Feed Table: system

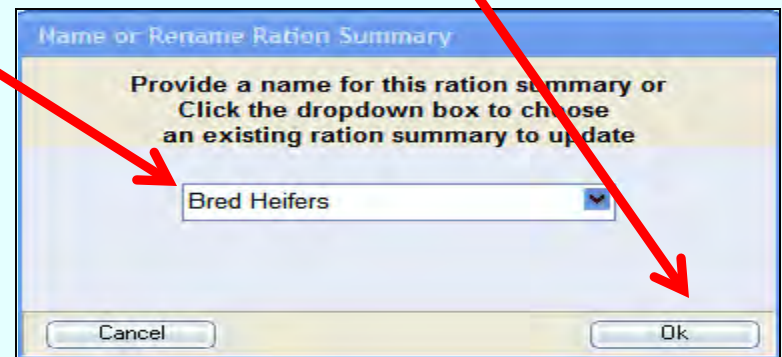
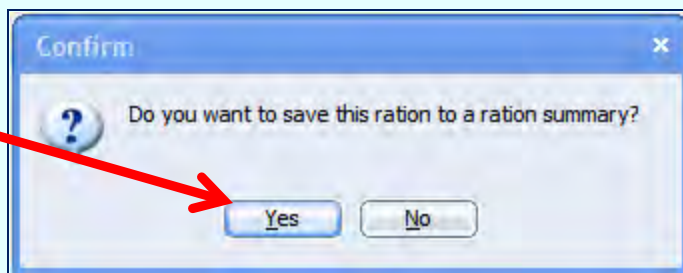
Create a ration report by clicking on the Report heading.



Feed Name	DM Fed %	As fed (lbs)	DM fed (lbs)	DM %	DE Mcal/lb	TDN %	Protein %	C
TIMOTHY HAY	52.8	16.000	14.112	88.2	1.19	59.53	8.8	
PEA STRAW	33.4	10.000	8.920	89.2	1.00	50.00	6.5	

A drop down menu appears. Choose “Ration Report”

Two boxes appear in succession on the screen. 1) Select “Yes” to save the ration information for the summary report.
2) Fill in the name you wish to use for this ration. Click Ok



**This is the top portion of the Ration Report (first page)
If the “Client Information” tab, is completed, these fields would be full.**

COWBYTES 5.3.1 AARD		Ration Report	
Client Client information here		Consultant Consultant information here -	
Ph:	Fax:	Ph:	Fax:
<hr/>			

On the next slide, the remainder of page 1 of the ration report is provided.

Summary:	BRED HEIFERS	No. of Head	100
Animal Desc.	Bred Heifers - 1100lbs		
Predicted ADG:	1.00 Lbs	To gain 1/2 BCS(Can)	88 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 Lbs	Wastage %	% of Ration	\$/Head /day *	Package		By Group per Day *		By group per 65 days *	
					Type	Weight	Packages	Cost	Packages	Cost
TIMOTHY HAY	16.000		53.2	\$0.40	Rnd. Bal	1250	1.3	\$40.00	83.2	\$2,600
PEA STRAW	10.000		33.2	\$0.15	Rnd. Bal	950	1.1	\$15.00	68.4	\$975
BARLEY GRAIN	2.500		8.3	\$0.20	Bushels	48	5.2	\$20.31	338.5	\$1,320
DDGS WHEAT	1.500		5.0	\$0.12	Tonnes	2205	0.1	\$12.24	4.4	\$796
FORT TMSALT+SE	0.065		0.2	\$0.02	Bag	55	0.1	\$1.78	7.7	\$115
ADE 10 MILLION	0.010		0.0	\$0.02	Bag	44	0.0	\$1.55	1.5	\$101
VIT E 50000	0.012		0.0	\$0.03	Bag	55	0.0	\$3.19	1.4	\$207
Total	30.087			\$0.94				\$94.06		\$6,114
Feed Cost/Lb. gain				\$0.94		Home		\$75.31		\$4,895
Cost/Lb. gain including yardage				\$1.39		Purchased		\$18.75		\$1,219

* Includes waste % in package and cost calculations

Ratios and Other Information

Ca:P	2.88	Rumen pH	Normal	Feed:Gain	26.7
Cu:Mo	6	DM % of BW	2.4	Diet DM %	88.8
K/(Mg + Ca)	0.7	Forage DM % DM	2.1	NDF as % BW	1.3
DCAB	285	Forage %	86.2	DIP/TDN %	11.5

Notes: To include information in the notes section: From the ration screen, right click "Edit" just above the wizard's hat. From the drop down menu, click on "Edit Ration Notes". A screen appears on the page allowing text to be entered. What you type in will be included in this notes section. Can enter up to 400 characters.

Nutrient(DM basis)	Supplied Feed Only	Recommended	Diet Concentration
DM Intake	26.7	28.6 Lbs	88.8 %
DE	31.44	31.40 Mcal	1.18 Mcal/lb
TDN	15.75	15.73 lbs	58.97 %
NEmTot	11.79	11.79 Mcal	0.57 Mcal/lb
NEg	1.95	1.94 Mcal	0.31 Mcal/lb
Protein	1199	897 grams	9.9 %
Calcium	68	36 grams	0.56 %
Phosphorus	23	21 grams	0.19 %
Magnesium	23	16 grams	0.19 %
Potassium	155	78 grams	1.28 %
Sulphur	19*	19 grams	0.16 %
Sodium	27	10 grams	0.22 %
Chloride	17	grams	0.14 %
Salt	28	26 grams	0.23 %
Vitamin A	45359*	45429 IU	3.7 KIU/kg
Vitamin E	303	300 IU	25 IU/kg
Copper	141	130 mg	12 mg/kg
Manganese	691	519 mg	57 mg/kg
Zinc	601	506 mg	50 mg/kg
Selenium	4.32	2.47 mg	0.36 mg/kg
Iodine	2.1*	6.5 mg	0.2 mg/kg
Cobalt	1.4	1.3 mg	0.1 mg/kg
Iron	1770	649 mg	146 mg/kg
Molybdenum	24	mg	2 mg/kg
NDF	52.2	%	52.2 %
eNDF	88.2	20.0 %	88.2 % of NDF
DIP	824	786 grams	68.7 % of CP
UIP	375	111 grams	31.3 % of CP
MP	827	592 grams	0
Ionophore	0	mg	0 mg/kg
Other	0.00		0.0

* Nutrient Supplied is not within recommended range

**This is page 2
of the
Ration Report**

To create a batch mix, click on the Feed mixes tab.

COWBYTES 5.3.1 AARD - FULL VERSION

File Edit Feed Table Reports Yardage Calculator Help

Canadian units

Bred Heifers - 11

Ration Animal Type Feed Table Feeding Info **Feed Mixes**

Create Mix

AS Fed Total
4.1

DM %
90.1

MixName: GRAIN MIX Batch Size: 1000 Lbs

Feed Name	In	As Fed Lbs	DM fed %	as fed %
TIMOTHY HAY	<input type="checkbox"/>	16.000	0.0	0.0
PEA STRAW	<input type="checkbox"/>	16.000	0.0	0.0
BARLEY GRAIN	<input checked="" type="checkbox"/>	2.500	60.1	61.2
DDGS WHEAT	<input checked="" type="checkbox"/>	1.500	37.6	36.7
LIMESTONE	<input type="checkbox"/>	0.000	0.0	0.0
FORT TMSALT+S	<input checked="" type="checkbox"/>	0.065	1.7	1.7
ADE 10 MILLION	<input checked="" type="checkbox"/>	0.010	0.3	0.2
VIT E 50000	<input checked="" type="checkbox"/>	0.012	0.3	0.3

Enter this information in the Feed Mixes Section

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

Include batch size and name of the mix you are creating.

Click the Create Mix Button when finished

COWBYTES 5.3.1 AARD - FULL VERSION

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

Canadian units **Bred Heifers - 1100lbs**

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

Feed Name	DM Fed %	As fed (lbs)	DM fed (lbs)	DM %	DE Mcal/lb	TDN %	Protein %	Calcium %	Phosphorus %	Cost \$/unit	lbs /unit	Me
GRAIN MIX	13.8	4.087	3.683	90.1	1.57	78.52	22.3	0.11	0.59	95.58	1000	
TIMOTHY H	52.8	16.000	14.112	88.2	1.19	59.53	8.8	0.49	0.16	50.00	2000	
PEA STRAW	33.4	10.000	8.920	89.2	1.00	50.00	6.5	0.85	0.08	30.00	2000	
BARLEY GRAM	0.0	0.000	0.000	88.5	1.66	83.10	12.5	0.07	0.38	3.90	48	
DDGS WHEAT	0.0	0.000	0.000	92.4	1.52	76.00	39.3	0.17	0.96	180.00	2205	
LIMESTONE	0.0	0.000	0.000	99.0	0.00	0.00	0.0	38.38	0.00	5.50	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	

The mix that was created appears at the top of the feeds list. Nutrient content of the mix is from the individual feeds in the mix and quantity of each feed in ration Feeds included in the ration, but included in mix appear as “0” values

When a mix is created, page 3 of the ration report contains the inclusion rate for each ingredient to make the mix.

Feed Name	As Fed	Wastage	% of \$/Head		Package		By Group per Day *		By group per 65 days *	
	Lbs	%	Ration	/day *	Type	Weight	Packages	Cost	Packages	Cost
BRED HFR GRAIN	4.087		13.6	\$0.39		1000	0.4	\$39.11	26.6	\$2,542
TIMOTHY HAY	16.000		53.2	\$0.40	Rnd. Bal	1250	1.3	\$40.00	83.2	\$2,600
PEA STRAW	10.000		33.2	\$0.15	Rnd. Bal	950	1.1	\$15.00	68.4	\$975
Total	30.087			\$0.94				\$94.11		\$6,117
Feed Cost/Lb. gain				\$0.95		Home		\$75.33		\$4,897
Cost/Lb. gain including yardage				\$1.40		Purchased		\$18.77		\$1,220

Grain mix that was created.

Mixing instructions from page 3 of the ration report

Mix Name	Feed Name	As Fed %	DM Fed %	Weight/Batch *	Weight/Head/Day *
BRED HFR GRAIN	BARLEY GRAIN	61.2	60.1	611.7	2.50
	DDGS WHEAT	36.7	37.6	367.0	1.50
	FORT TMSALT+SE	1.6	1.7	15.9	0.06
	ADE 10 MILLION	0.2	0.3	2.4	0.01
	VIT E 50000	0.3	0.3	2.9	0.01
		100.0	100.0	1000.0	4.09

* Waste percentage not included in calculations

COWBYTES 5.3.1 AARD - FULL VERSION

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

Canadian units

Ration Animal Type Feed Table Feeding In

Feed Name	DM Fed %	As fed (lbs)	DM fed (lbs)
GRAIN MIX	13.8	4.087	3.683
TIMOTHY HAY	52.8	16.000	14.112
PEA STRAW	33.4	10.000	8.920
BARLEY GRAIN	0.0	0.000	0.000
DDGS WHEAT	0.0	0.000	0.000
LIMESTONE	0.0	0.000	0.000
FORT TMSALT+SE	0.0	0.000	0.000
ADE 10 MILLION	0.0	0.000	0.000
VIT E 50000	0.0	0.000	0.000

To Uncreate a mix:

From the Top Menu Bar select **Edit Uncreate Mix**

COWBYTES 5.3.1 AARD - FULL VERSION

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

Canadian units

Ration Animal Type Feed Table Feeding In

Feed Name	DM Fed %	As fed (lbs)	DM fed (lbs)
TIMOTHY HAY	52.8	16.000	14.112
PEA STRAW	33.4	10.000	8.920
BARLEY GRAIN	8.3	2.500	2.213
DDGS WHEAT	5.2	1.500	1.386
LIMESTONE	0.0	0.000	0.000
FORT TMSALT+SE	0.2	0.065	0.064
ADE 10 MILLION	0.0	0.010	0.010
VIT E 50000	0.0	0.012	0.010

All feeds and feeding levels are restored when a mix is uncreated .

**Creating a summary report: From the Top Menu Bar on the ration page:
Select - Reports and from the drop down - Ration summary report**

Select Rations for Summary Report

Select rations to include in summary report

Select	Animal Description	Ration	Head	Days
<input checked="" type="checkbox"/>	Bred Heifers - 1100lbs	BRED HEIFERS	100	65
<input checked="" type="checkbox"/>	Cows - Dry - 1450lbs, Preg:8Months, Exp. Birth Wt:95.00lbs	LATE PREGNANCY COWS	100	65
<input checked="" type="checkbox"/>	Feeders and Replacements - 701lbs, Steer, ADG:2.5lbs	FEEDER STEERS	100	65

Choose the rations you want to include in the summary (Check to include)

When finished View Ration Summary Report

Show feed components of mixes

From the Top Menu Bar select : File Save
Type in a name for the file: Bred Heifers
Click Save

