SheepBytes Quick Start Guide



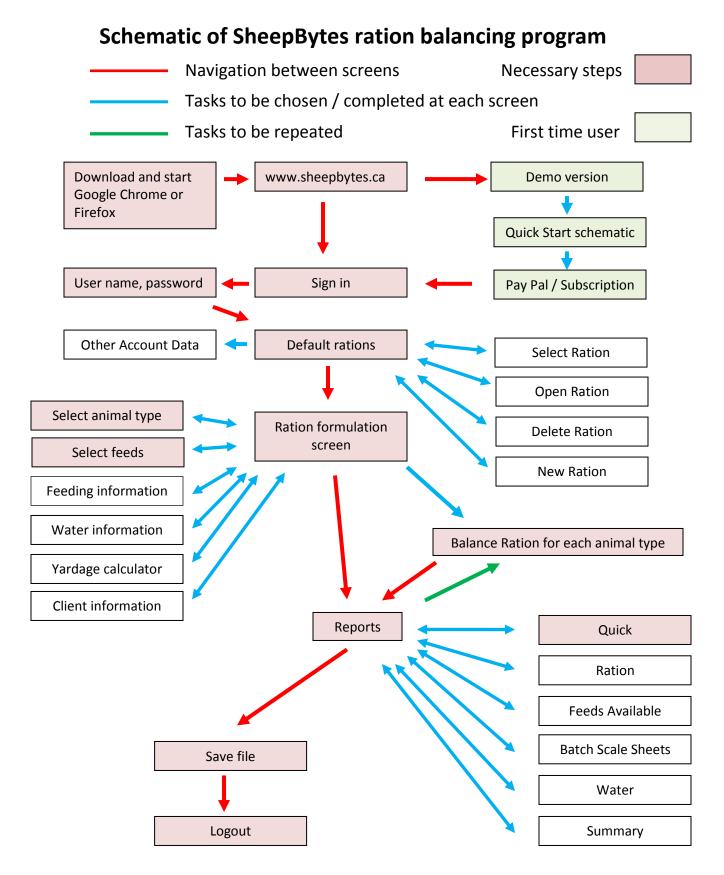
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Pictures by Tracy Hagedorn ARD

Table of Contents

Steps required to navigate SheepBytes	3
Introduction / Demo / Locating the program	4
Registering and purchasing the program / PayPal	5
Navigating through the program	7
Changing measurement systems	8
Entering information into the "Other" column	9
Getting started	9
Entering personal information	10
Math Calculator	11
Creating a new ration	11
Saving a ration	11
Selecting animal type	13
Saving animal settings	14
Loading animal settings	14
Selecting feeds from the feed table	15
Entering feeding information	16
Yardage calculator	16
Using water test results	17
Balancing the ration	18
Adding notes to the ration report	19
Special functions	
Feed mixes	20
Batch scale sheets	21
Reports	23
Quick report	24
Ration report	24
Feeds Available report	24
Batch Scale sheet report	24
Water report	25
Summary report	25
Sending a ration file by e-mail	25
Receiving a ration by e-mail	26
E-mailing a ration report	26
Adding feeds to the feed table	27
Editing an existing feed in the feed table	28
Deleting a feed from the feed table	
Commercial version – adding client information	29
Appendix – copies of reports available	

Quick Start: Instructions for the SheepBytes ration balancing program

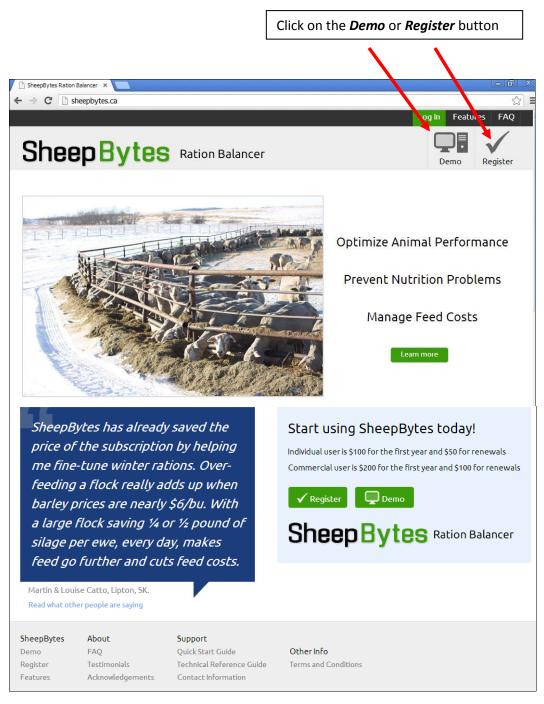


This introductory manual will help you navigate the SheepBytes program. Use the latest version of Google Chrome or Mozilla Firefox as your web browser. SheepBytes runs more efficiently with these web browsers.

Web site Address: www.SheepBytes.ca

To get an understanding of the program, a demo version is available. It allows for three feeds to be used on the ration page. The program is fully functional except that reports cannot be printed and files cannot be saved.

To purchase the program, return to the first screen and click **Register**.



	Features FAQ Sign In
SheepBytes Ration Balancer	Demo Register
Account Registration	
Full Name	
Address Street Address	Fill in the required information.
City Province Postal	Write down your password for future reference
Country	Click on Register
Phone Home / Office Cell Fax	
Email * will be used to sign into the system	
Password Password Confirm	
I have read and acceptione Terms and Conditions	
Register	

A subscription screen appears asking for payment. Individuals pay \$100 for their first year, and a renewal fee of \$50 per year after that. This subscription provides up to 25 rations a year for farm flock managers. Consultants or nutritionists pay a subscription fee of \$200 per year for the first year and \$100 each year after; which provides unlimited rations, account management files, and the ability to send and receive rations by e-mail.

We highly recommend you purchase your subscription using the automated credit card method. Once the subscription has been paid, you will have access to your account in minutes. Manual subscriptions may be made by sending a cheque for the subscription amount plus GST made out to:

Alberta Lamb Producers Agriculture Centre 97 East Lake Ramp NE Airdrie AB T4V 0C3

Please include the email address you used to register for your SheepBytes account. For more information call 403-948-1522

SheepBytes Ration Balancer New Account	
Full Name: Test User	
Email: test@drevertech.com	
Welcome to SheepBytes Ration Balancer. To activate your account please purchase a subscription using the "Buy Now" button below. Your subscription will be valid for one year.	
The individual edition provides up to 25 rations for farm flock managers.	Select your subscription type by clickin
The commercial edition provides unlimited rations, client management, file folders, and the ability to email rations and recommendations to clients.	the corresponding Buy Now button.
Individual \$ (CAD) Buy Now VISA = 20 mm Commercial \$ (CAD) Buy Now	

After clicking **Buy Now** a PayPal screen appears asking for payment. This is a secure website and your information is protected.

Your order summar	У	Choose a way to pay PayPal securely processes payments	for Alberta Lamb Producers.		
Descriptions SheepBytes 1 Year Individual Subscr	Amount \$100.00	Have a PayPal account?	Pav	'Pal" ≙	
Item price: \$100.00 Quantity: 1		Log in to your account to pay	,		
Item total Tax	\$100.00 \$5.00	 Don't have a PayPal account Pay with your debit or credit card as 			
To	tal \$105.00 CAD				
			Canada 🔻		Γ
		Card number Payment Types			Fill in the required information.
			nm yy		
		csc	/		Click on Review and Continue .
		What is this?			
		First name			
	- 1	Last name			
		Address line 1 Address line 2			
		(optional) City			
		Province			
		Postal code			
		Telephone			
		Email			
			Review and Continue		
			Peyments processed by Pa	yPal ⁻	
		Cancel and return to Alberta Lamb Produc	ers,		

There are three different ways to navigate through the program:

1) Move between the different sections of the program by clicking on the different tabs.

File Title: growing lambs	Finishing Lambs Large Size Breeds Wt 140 lbs ADG 0.3 lbs
🕂 Ration 🛒 Animal 👑 Feeds 🔟 Feeding I	Information 🛛 📴 Yardage Calculator 💧 💊 Water 📝 Notes 🤌 Client 📴 Calculator 📳 Reports

Some buttons have a drop down menu to provide options. These are indicated by an arrow.

	File	Title:	growing lambs
H	Save		
H	Save	As	
	Set	As Default	New Ration
	Retu	irn To Rat	ion List

2) SheepBytes behaves like an internet program (Google Chrome, Firefox, etc.) Example: after viewing the water report, to get back to the program click on the "X" in the tab at the top of the screen. This will take you back to the previous screen.

SheepByte	Ration Balancer 🛛 🛞 beta.sheepbytes.ca/app/Shee 🗙 🔀
$\leftrightarrow \Rightarrow \mathbf{G}$	Seta.sheepbytes.ca/app/SheepBytes/writeExport?

3) Move back and forth between the tabs (screens) using the back ← and → forward arrows found in the upper left corner of the screen. Example: A ration was selected from the ration list screen when the program was started. The program then advances to the ration screen. To go back to the ration list, click on the back arrow.

The font size on the screen is adjustable. To increase font size hold down the control key <Ctrl> and the plus sign key <+> at the same time. To reduce font size, hold down the control <Ctrl> key and the minus sign key <-> at the same time.

The screen shot below (left) illustrate the default font size loaded into the program and a 10% increase in size (right) when the control <Ctrl> <+> keys are struck once.



If you increase the font size, fewer nutrients will be displayed on the screen at one time.

🐏 Ration 🛒 Animal 👑 Feeds 🔲 Feeding Information 🔯 Ya							
🗜 💿 Add Feeds 💿 Edit 🤤 Remove Feeds 🛛 💿 Create Mix 🤤 Un-c							
Feed Name	As Fed (lbs)	DM Fed (lbs)	As Fed (%)	DM Fed (%)			
20% RANGE PEL	2.0000	1.8000	25.0	25.5			

The red triangle in some of the boxes indicates the value in the cell has been changed from the value supplied from the feed table. A zero value in a field could be due to insufficient data to establish a value. Enter feed test results or feed tag specifications whenever possible. All nutrients are entered on a **dry matter** basis.

Changing nutrients displayed on the screen / viewing more of the screen:

<u>a</u>

To change between Imperial (Canadian), Metric and United States weight and volume measurement systems, click on the scale icon found on the Ration screen. When changing between weight systems, the program requires that the ration be saved. The pop up screen below appears when the symbol is chosen. Use the drop down arrow to select the system required. There is no opportunity to change the name of the ration during the process.

S	elect Di	isplay Units	
	Metric	v	
		Ration will be saved before changing display units.	
		OK Cancel	

SheepBytes calculates nutrient values for macro nutrients and most of the micro nutrients and vitamins. It can also be used to calculate ionophore and nitrate concentrations. There is a spare column titled "*Other*" to calculate concentrations of different items such as an antibiotic or pro-biotic.

File	Title: New Rat	ion	Mature Ew	es Late Ge	station - Las	Weeks V	Vt 150 lbs /	ADG 0.1 lbs Tv	vins			
Ration	🛒 Animal 🛛 🐰	Feeds Feeding I	nformation	🤯 Yardage	Calculator	💧 Water	2 Note	es 🛛 🥹 Client	Τ			
	ed Name	All	Byproduct	Chaff	Fats	Gr	ain	Нау	Mil			
Search Fe	ed Name	Pasture	Salt	Silage	Straw	/ Suppl	ement \	/itamin				
🗜 💿 New	🛈 Copy 🥜	Edit 🥥 Delete 📝 Ne	ew Mix 📃 R	eports 👻 📉	<u>}</u>							
		Feed Name	DM	NEm (Monto)	NEg (Mcal/lb)	Protein (%)	Calcium (%)	Phosphorus (%)	(5	lonophore (mg/kg)	Nitrate(NO3) (%)	Oth
	Category	reed Name	(%)	(Me0)	(mcavio)	(70)						
add	Category Vitamin	ADE 10 MILLION	(%) 97.0	0.00	(mcavid)	0.0	0.00	0.00		0	0.00	0
add add			95.0							0	0.00	0

The button, found on the feed table page, either expands or restricts the number of nutrients displayed in the feed table. All nutrients are displayed on the ration screen.

Entering data into the *Other* **column or changing nutrient values:** On the ration screen, left click the mouse button on the box to the left of the feed name that requires changes.

File Title: replace	ment ewe la	ambs	Repla	acement Ewe		
🐏 Ration 🛒 Animal 🎪 Feeds 🔲 Feeding Information 📑 Ya						
🗜 😳 Add Feeds 💿 Edit	t 🥥 Remo	ove Feeds	😳 Create	Mix 🥥 Un-		
Feed Name	As Fed (Ibs)	DM Fed (lbs)	As Fed (%)	DM Fed (%)		
BARLEY SILAGE	5.0000	1.8400	87.0	73.4		

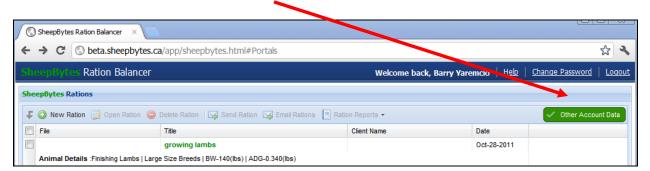
Change the value of the nutrients on the edit feed screen. Click *Save* when you are finished.

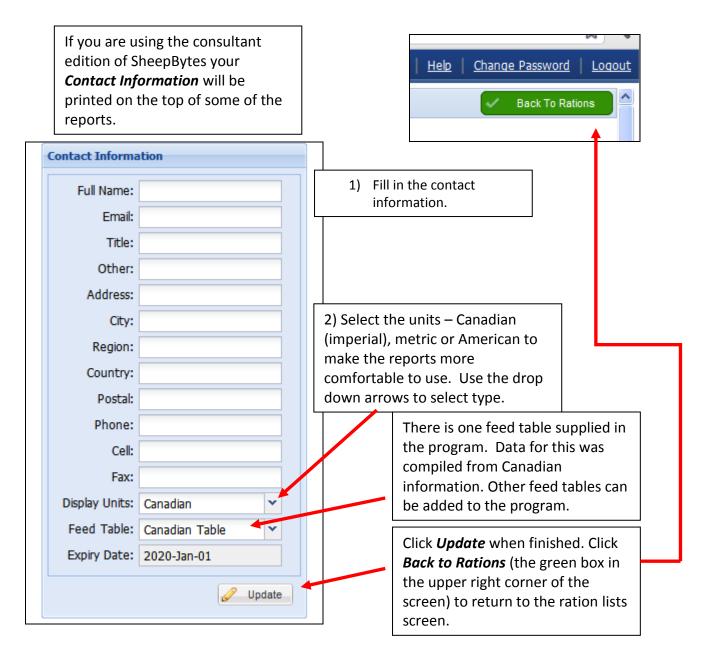
Contract Electric Ele					×
Feed			Nutrients		
Feed Name:	BARLEY SILAGE		Protein(%):	Salt(%):	Iron(mg/kg):
Feed Category:			11.10	0.50	300
DM(%):			Calcium(%):	Vitamin A(KIU/kg):	Molybdenum(mg/kg):
			0.46	0.0	2
Nutrient Values:	Dry Matter Basis	·	Phosphorus(%):	Vitamin D(IU/kg):	NDF(%):
			0.27	0	49.0
Energy Values			Cost(\$/unit):	Vitamin E(IU/kg):	eNDF(%) of NDF:
DE(Mcal/lb):	1.25		40.00	0	65.0
TDN(%):	62.56		Unit Weight(lbs/unit):	Copper(mg/kg):	DIP(%) of CP:
NEm(Mcal/lb):	0.63		2000.001	5	86.0
NEg(Mcal/lb):			Magnesium(%):	Manganese(mg/kg):	UIP(%) of CP:
NEg(Mcal/ID).	0.37		0.22	33	14.0
			Potassium(%):	Zinc(mg/kg):	Ionophore(mg/kg):
			1.60	27	0
			Sulphur(%):	Selenium(mg/kg):	Nitrate(NO3):
			0.22	0.03	0.00
			Sodium(%):	Iodine(mg/kg):	Other:
			0.20	0.0 Selenium Cont	
			Chloride(%):	Cobalt(mg/kg):	Concentrate or Forage?:
			0.00	0.0	
					Forage
NOTE: All outrients must	be entered on a dry matter basis.				
NOTE. All nucleines muse	be encered on a dry matter basis.				
					Save 🔀 Cancel

Getting Started:

When you log onto the program, the first screen that appears is the ration lists screen. It contains all the rations held within your account. Set user information defaults by clicking *Other Account Data*.

This information will be saved to your account and be present when you start the program in the future.





Calculator available:

SheepBytes has a built in calculator that is able to do basic functions.

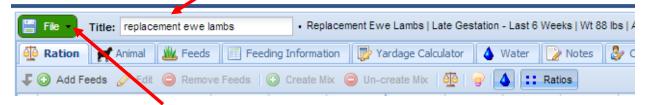
	File	•	Title:	rep	lacement	ewe lambs •	Replacem	ient Ewe Lam	bs Late Ge	station - Last	6 Weeks Wt	88 lbs Al	DG 0.30	Ibs Single	s	
1	Rat	ion	Ħ	Anim	nal 🛛 🏙 F	Feeds Feeding Inf	rmation	🕞 Yardage	Calculator	💧 Water	📝 Notes	🥹 Clie	nt 🕞	Calculator	Reports	
	1				0											
MR 7	M+	M- 9	MC C	CE	Kgs to Lbs	Conversions - Weights 1 oz = 28.35 grams										
4	5	6	x	1	Lbs to Kgs	1 oz = 0.0625 lbs 1 lb = 16 oz 1 ton = 2,000 lbs 1 Tonne = 2,204.6 lbs										
1	2	3	+	•	F to C	1 KIU = 1,000 IUs 0.1% = 1000 ppm 1 ppm = 1 mg/kg										
0	+/-	•		•	C to F	, pp.,, Tinging										

Create a new ration:

SheepBy	Con Ration Balancer Welcome
Rations List	
New Ration	📝 Open Ration 🛛 🔂 Delete Ration 🕴 📑 Ration Reports 👻 🐻 Send Ration F
File	Title

Click the **New Ration** button to create a new ration. The main **Ration** screen appears. This is where you do most of your work.

Type in a name for the ration in the *Title* box; you cannot save the ration or print reports without this section filled in. If the title is not changed between animal types, the work will be over-written and previous rations will be lost.



Save the new file. Click *File* in the upper left corner of the screen. A drop down menu provides options on how to save the file.

		File 🔹 Title: Replacem	ent Ewe	ambs
		Save	🖌 Feeds	F F
▶		SaveAs	Remov	ve Feeds
		Set As Default Ration	s Fed (lbs)	DM Fe (lbs
	₥	Return To Ration List	5.0000	1.8

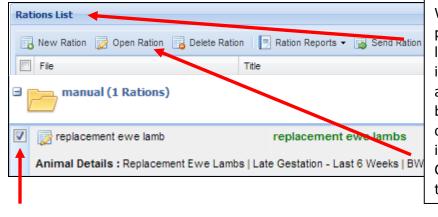
Save will label the file with the information in the title box. In this case, the file will be saved as "replacement ewe lambs".

Save as allows you to re-name the file.

Set as Default Ration results in the information in this file to be displayed on the ration screen every time SheepBytes is started.

Keeping ration files in different folders to make organizing and retrieval easier. Creating folders by year (for a farmer) or by client name (for consultants) is suggested. To create separate folders, when saving the file, use the **Save As** feature. In the **Folder Name** box, change the name of the folder and save the file.

F				
	Save Ration			×
	Change file name	to make a copy.		
	File Name:	replacement ewe lambs		
	Folder Name:	manual		*
		\rightarrow	Save	Cancel



Title: Replacement Ewe lambs

Feeds

Fed

(lbs)

5.0000

Remove Feed

DM Fe

(lbs

1.8

File

Save

SaveAs...

Return To Ration List

When the file is saved, the program returns to the ration list screen. If the file was saved in a folder, the folder will appear first. The saved file will be within the folder and contains a checkmark, indicating which file was saved. Click on **Open Ration** to return to the ration screen.

A default ration is the information that is uploaded when the program is started. Having the feeds, feeding and client information, water quality and animal type set within the default ration saves time when the program is used.

1. Select animal type by clicking on *Animal*.

The animal information screen appears.

SheepBytes Rat	tion Balancer X									
← → C ③	beta.sheepbytes.ca/a	pp/sheepby#cs.ht	tml#Ration?ID=8							\$ 3
SheepBytes I	Ration Balancer				W	elcome ba	ck, Demo User	<u>Help</u>	Change Password	<u>Loqout</u>
File Title:	Demo Batica	Growing	Lambs Small Size Breeds	Wt 40 kgs Al	OG 0.4 kgs					
Ration A	nimal 👑 Feeds 🔲	Feeding Information	🔯 Yardage Calculator	💧 Water	📝 Notes	🤣 Client	🕞 Calculator	📃 📃 Repo	orts	
Class:	Growing Lambs		*							
Subclass:	Small Size Breeds		7		Ani	imal Modificat	ions			
	Body Weight(kgs):	40.0								
Average I	Daily Gain(ADG)(kgs):	0.400								
	Condition Score:	3.0 Spine can be	elt, back muscle full, so	ome fat cover				~		
Environment		/								
	Wool Depth(cm	1): Full Fleec	~		W	ool Condi	tion: Dry	~		
Appro	oximate Temperature(C	C): 10.0			Wind	Speed(km	/hr): 8.0			
	Ionophore	es:								
	Age(months			- Used for o	old stress	calculation	is only.			

Use the drop down arrow to select animal type in the class and sub class categories

Class of animal is the overall description of the group: Mature ewes, mature rams, replacement ewes, replacement rams, growing lambs, finishing lambs, and early weaned lambs.

Subclass breaks the animals into small, medium or large frame animals, or stage of lactation.

🗄 File 🔹 Title:	Demo Ration	Growing Lambs Sma	al		ass:	Growing Lambs	v
🕂 Ration 🛛 🛒 A	nimal 👑 Feeds 🔲 Feeding	Information 🛛 📴 Yarda	g	•		Small Size Breeds	¥
Class:	Growing Lambs	~				Large Size Breeds	
	Small Size Breeds	~				Medium Size Breeds Small Size Breeds	

Enter animal body weight, average daily gain and body condition score. Use drop down arrows where appropriate.

Body Weight(Ibs)	88.0		
Average Daily Gain(ADG)(Ibs)	0.660		
Condition Score	3 Spine can be felt, back muscle	e full, some fat cover	~

Enter environmental conditions, wool depth and age of the animal. If an ionophore is used, click the ionophore box.

Wool Depth(cm):	Full Fleece	~	Wool Condition:	Dry		~
Approximate Temperature(C):	0.0		Wind Speed(km/hr):	<=	18 Km/Hr or 11 Miles/Hr	~
lonophores:						
Age(months):	< 6 months	~				

Further down the page, there is a *Stored Animal Settings* heading. Use these buttons to save information about a group of animals so it can be retrieved from a saved file in the future.

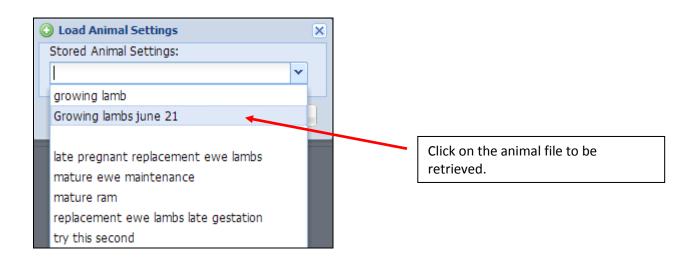
Stored Animal Settings : Load Save				
★	Stored Animal Settings :	Load	Save	
		1		

When the "Save button" is used, a pop up box requests a name for the file to be saved.

📀 Save Animal Settings				×
Animal Settings Name:				
Growing lambs				
	Save	8	Cancel	

Once the animal information is saved, it can be loaded from the Stored Animal Settings box. From the Stored Animal Settings: click on the load box. The following pop up box appears. Click on the down arrow to retrieve the saved animal settings.

📀 Load Animal Settings				×
Stored Animal Settings:				
			*	
×	Load	8	Cancel	



After the animal information is entered, or a stored animal setting file is loaded, click on the **Ration** tab located at the top left corner of the screen to return to the main formulation screen.



The animal information entered from the loaded in the last screen should appear at the top of the ration screen.

Sheep Bytes Ration Balancer	Welcome back, Barry Yaremcio M. Sc., P. J
File V Title: Replacement Ewe lambs • Replacement Ewe	Lambs Late Gestation - Last 6 Weeks Wt 88 lbs ADG 0.364 lbs Singles
🔁 Ration 😭 Animal 👑 Feeds 🔲 Feeding Information 🔯 Ya	rdage Calculator 🛛 🝐 Water 📄 🏠 Notes 🛛 🍰 Client 🛛 🐺 Calculator
🗜 🗿 Add Feeds 🥜 Edit 🤤 Remove Feeds 🛛 🕥 Create Mix 🤤 Un-cr	eate Mix 👰 🍲 🚺 👥 Ratios NOTE: /

2. Select the feeds available for the ration by clicking on the *Feeds* tab. The screen below appears.

FI FI	ile - T	itle: growing lan	nbs	 Finishing L 	ambs Large	e Size Breed	s Wt 140 lb	s ADG 0.3 I	bs				
🔁 R	ation	🚅 Animal 🛛 👑 I	Feeds Feeding Inf	formation	🦻 Yardage	Calculator	💧 Water	🛛 📝 Note	es 🛛 🤣 Client	t 🛛 🔯 Calc	ulator 🛛 📃 R	eports	
Sear	rch Fee	d Name	All Pasture	Byproduct Salt	Chaff Silage	Fats Strav		ain Iement V	Hay /itamin	Milk	Mineral	Mix #	
t (🕑 New	💽 Copy 🥜 E	dit 🥥 Delete 🛛 📝 Nev	v Mix 📃 R	eports 🔹 🔤)							📃 Exp
		Category	Feed Name	DM (%)	NEm (Mcal/lb)	NEg (Mcal/lb)	Protein (%)	Calcium (%)	Phosphorus (%)	Cost (\$/unit)	Unit Weight (Ibs/unit)		
	add	Byproduct	ALFAL SUNCURE	90.0	0.62	0.36	17.6	1.35	0.20	395.00	2204		
	add	Byproduct	ALFALFA MEAL	92.0	0.61	0.35	18.9	1.37	0.25	235.00	2204		
	add	Byproduct	APPLE POMACE-WET	22.0	0.72	0.45	5.4	0.23	0.11	25.00	2204		

There are 154 feeds in the Canadian feed table.

Feeds are categorized by feed type (hay, silage, salt, mineral, etc.). Searching for the feed within each category is much easier than using the **All** category.

Select the feed type (vertical red arrow below), scroll down the list and click the **add** box to the left of the name of the feed required. A check mark will appear in the square box in line with the chosen feed. The feed is automatically moved to the ration screen and the button changes from **add** to **in** (blue arrow) when the transfer to the ration screen is complete.

]	🔡 File 🚽	Title: Replaceme	nt Ewe lambs	Replacem	ent Ewe Lan	nbs Late Ge	station - Las	t 6 Weeks 1	Nt 88 lbs ADG	6 0.364 lbs \$	Singles
	Ration	🛒 Animal 🛛 🏙	Feeds Feeding In	nformation	🤯 Yardage	e Calculator	💧 Wate	Not	es 🛛 🌛 Clien	t 🛛 🔯 Calo	culator 🛛 📳 R
	Search Fe	ed Name	All Pasture	Byproduct Salt	Chaff Silage	Fats Straw	Gra Supple		Hay	Milk	Mineral
	🗜 🕥 New	🗅 Copy 🥜 Edi	t 🥥 Delete 🛛 🔂 New	Mix 📃 Re	ports 👻 🔤						
		Category	Feed Name	DM (%)	NEm (Mcal/lb)	NEg (Mcal/lb)	Protein (%)	Calcium (%)	Phosphorus (%)	Cost As Fe (\$/unit)	Unit Weight (Ibs/unit)
	🗖 🚺) Hay	ALF-GRASS HAY	87.4	0.59	0.33	14.0	1.22	0.19	60.00	2000
	add) Hay	ALFALFA HAY EB	87.9	0.61	0.35	18.2	1.52	0.24	60.00	2000
	add	Hay	ALFALFA HAY LB	87.9	0.53	0.28	12.5	1.40	0.22	60.00	2000

3. The *Feeding Information* screen captures information about the group of animals being fed. Feeds used in a ration will appear on the feeding information screen.

Number of animals and days on feed indicated is used to calculate the total amount of feed required for the group. This information is then reported on a ration report and the summary report.

Feeds can be selected as home grown or purchased to break down feeding costs for the group. Set package size and type, waste factor and yardage cost information for the **Ration** and **Summary** reports.

Ration Name: Demo Ratio	n	Anima	al Details: Grow	ring Lambs Larg	e Size Breeds BW	50 kgs ADG 0.4 kg	js
편 Ration 🛛 🛒 Animal	👑 Feeds 🔲	Feeding Info	ormation 🛛 厚	Yardage Calculat	or 💧 Water	🌛 Notes 🛛 🌛 C	lient
Number Of Days	Number Of Head	Yarda	age(\$/HD/Day)	Total Ration	Cost(\$) Fee	d Cost/kgs Of Gain	(\$)
100	200	0.35		60613.13	0.0	0	
Feeds					_		
Feed Name	Home	Purchased	Unit Weight (kg/unit)	Package Type	Waste Factor(%)	Number Of Packages	
CLOVER HAY		V	1000	Round Bale	10	0.00	
WHEAT CHAFF			1000	Lbs	10	0.00	
OAT SILAGE			2000	Tons	10	0.00	
Demo Mix 01		V	1000	Tonnes	0	54.00	

Feed waste occurs in any winter feeding program. In SheepBytes, the amount of feed consumed per head per day does not change, but total amount of feed supplied per group per day is adjusted according to the amount of waste specified. The total amount of feed (or inventory) needed for the operation including waste is reported in the summary report.

4. There is a *Yardage Calculator* included in the program. This step is optional.

Yardage refers to the general operating and overhead costs in a livestock operation. Pens, feeders, taxes and depreciation are considered fixed or overhead costs because they do not change much from year to year. Feed, fuel, labour, veterinary costs, trucking, marketing, repairs and maintenance are considered variable costs because there can be large fluctuations.

Feeding programs that improve feed efficiency and/or rate of gain can reduce yardage costs per pound of gain ... eg. Greater pounds of gain means a lower yardage cost per pound produced.

🖗 Ration 🛛 🛒 Animal 🛛 👑 Feeds 🔲 Fee	ding Information	👺 Yardage Calculator 🛛 🍐 Water 📝	Notes 🏼 🍪 Client	📴 Calculator 🛛 📃 Reports
Investment - Cost of Facilities				Reset Values
Original cost of facilities:	0.00	Interest Cost on Investment:	0.00	Calculate Yardage
Expected life of facilities(years):	0	Depreciation:	0.00	
Expected salvage value of facilities:	0.00	Taxes(annual):	0.00	
Annual Interest rate(as percentage):	0.00	Insurance(annual):	0.00	
		Subtotal for this section:	0.00	
Investment - Cost of Equipment				
Original cost of equipment:	0.00	Interest Cost on Investment:	0.00	
Expected life of equipment(years):	0	Depreciation:	0.00	
Expected salvage value of equipment:	0.00	Insurance(annual):	0.00	
Annual Interest rate(as percentage):	0.00	Subtotal for this section:	0.00	
Other Costs(\$/Year)				
Veterinary & medicine(\$/Head/Year):	0.00	Veterinary & medicine(calculated):	0.00	
Electricity:	0.00	Hired labour:	0.00	
Natural gas, propane and heating fuel:	0.00	Operator labour:	0.00	
	0.00	Additional Insurance:	0.00	
Repairs and upkeep on facilities:				
Repairs and upkeep on facilities: Equipment fuel and repairs:	0.00	Additional Interest:	0.00	

5. Including water test results in ration calculations is optional but can be very helpful when troubleshooting or fine tuning a ration.

Production related problems such as poor reproduction or slow growth could be caused by mineral interactions in the water and feed. Click on the *Water* tab to access the screen.

ppm)
ppm)

Enter the water test results, generate the water report, and click *Include Water in Ration* to have nutrients included in the final ration. Auto calculation of water consumption is recommended unless environmental conditions or water quality impacts intake. Click *Generate Water Report;* button shown on previous page to print off a report.

PDF Successful.			×
	Download PDF Complete		
Close		Open	

This box appears when the generate water report button is clicked. Click **Open** to view the report. The water report appears. Part of the water report is shown below.

sheepbytes.ca/app/SheepB	ytes/writeExport?ir	nline&attribute:	=a25bf7d2-a127-487
SheepBytes Ration Balar	icer	Wate	r Report
			-
File: replacement ewe la	mb	Title: replace	ment ewe lambs
Animal Description	Replacement Ewe L	ambs Late Gest	ation - Last 6 Weeks W
Water Intake	3.4		Current T
Item	mg/liter (ppm)	grams	Ratios
ltem Dissolved Solids	mg/liter (ppm) 1000.0	grams 3.4	Ratios Ca:P
		3.4	
Dissolved Solids	1000.0	3.4 0.0	Ca:P
Dissolved Solids Sulphate	1000.0	3.4 0.0	Ca:P K/(Mg +
Dissolved Solids Sulphate Sodium	1000.0 0.0 3500.0	3.4 0.0 11.9 0.0	Ca:P K/(Mg +
Dissolved Solids Sulphate Sodium Calcium	1000.0 0.0 3500.0 0.0	3.4 0.0 11.9 0.0	Ca:P K/(Mg +
Dissolved Solids Sulphate Sodium Calcium Magnesium	1000.0 0.0 3500.0 0.0 1000.0	3.4 0.0 11.9 0.0 3.4 0.0	Ca:P K/(Mg +
Dissolved Solids Sulphate Sodium Calcium Magnesium Potassium	1000.0 0.0 3500.0 0.0 1000.0 0.0	3.4 0.0 11.9 0.0 3.4 0.0 0.0	Ca:P K/(Mg +

Move the mouse to the bottom right hand corner of the screen. An icon bar will appear. Click on the printer symbol to print off the report.

To close the water report, click on the "X" at the top of the screen.

The program will return to the water screen. Navigate to other parts of the program using the tabs within the SheepBytes program.

Balancing the ration:

After the first five setup steps are completed, you can balance the ration. Enter the amount of each feed either in pounds or kilograms to meet animal requirements listed at the bottom of the screen.

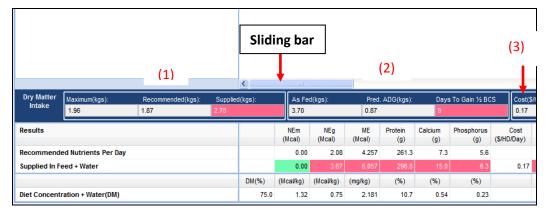
To change between Imperial (Canadian), Metric and United States weight and volume measurement systems, click on the scale icon found on the Ration screen. When changing between weight systems, the program requires that the ration be saved. There is no opportunity to change the name of the ration during the process.

Feeds in the feed table show average values. The default average values can be changed on the ration screen to feed test report values. Click on the nutrient in question, and replace the value. This change will not change the default values of the feeds in the feed table.

After selecting feeds and setting the animal type, click in the **As Fed** or **DM Fed** column of the particular feed to enter the amount of the feed to be included in the ration (see the picture below). In this order; balance the ration for energy, protein, calcium, phosphorus, salt, macroand trace minerals and finally vitamins. Adjust the amount of each feed or ingredient until the ration is balanced. Do not exceed the recommended dry matter intake for the ration!

Rati	on Name: Demo Ration	ı		Animal De	etails: Grow	ving Lambs	Small Size Bi	reeds BW 5	0 kgs ADG	0.4 kgs			
4	Ration 🛒 Animal	👑 Feeds	Feed	ing Informat	ion 🛛 🔯 Ya	ardage Calcul	ator 💧 🍐	Water 🛛 🗋	Notes	P Client	🍃 Calculato	or 📳 Repor	ts
£	🗿 Add Feed 💿 Edit	🔘 Remov	e Feed 🛛 🕒	Create Mix	🥥 Un-cre	ate Mix 🛛 🧯	× 🚺 ::	Ratios			NO	TE: All nutrients	must be entere
	Feed Name	As Fed (kgs)	DM Fed (kgs)	As Fed (%)	DM Fed (%)	DM (%)	NEm (Mcal/kg)	NEg (Mcal/kg)	ME (mg/kg)	Protein (%)	Calcium (%)	Phosphorus (%)	Cost (\$/unit)
	CLOVER HAY	0.0000	0.0000	0.0	0.0	86.2	1.23	0.66	2.083	15.30	1.38	0.21	50.00
	WHEAT CHAFF	0.0000	0.0000	0.0	0.0	90.0	0.74	0.21	1.579	5.00	0.28	0.09	28.00
	OAT SILAGE	0.0000	0.0000	0.0	0.0	37.9	1.32	0.75	2.180	10.60	0.40	0.24	25.00
	Demo Mix 01	2.7000	1.8748	73.0	67.5	69.4	1.07	0.51	1.909	10.39	0.76	0.17	34.23
	OAT GRAIN	1.0000	0.9020	27.0	32.5	90.2	1.82	1.19	2.747	11.30	0.08	0.34	80.00

The ration screen provides recommended feed intake limits (1), predicted rate of gain (2) and cost of the ration (3). Recommended nutrient intake, and nutrients supplied by the feed or feed + water is shown in the results box (4).



Above the **As Fed** box in the dark blue area of the screen, a sliding bar allows the right half of the visible screen to scroll from left to right. Nutrients listed to the right of the screen limit become visible when the bar is moved. The left half of the screen is fixed and does not move.

Notes about the ration can be entered in the notes section by clicking on the notes tab. These comments are included in the Ration Report. If not removed between different rations, the information that is typed in will appear on all the reports.

Ration Name:	New Ration	Animal Details: Mature Ewes Maintenance BW 88 lbs ADG 0.0 lbs
E Ration	🞢 Animal 🛛 🏨 Feeds 🛛 📺 Feedi	ng Information 🛛 🕞 Yardage Calculator 💧 Water 🔂 Notes 🐉 Client 🧃
		the producer about, this is the area where the message is writtten. These Ration Report. There is sufficient room to print off approximately 5 rows of

Special functions within the program:

Feed mixes can be developed in SheepBytes to create a total mixed ration, a grain mix, or a salt / mineral mix that is separate from the forage. The feed mix must be made before a batch scale report can be generated. More than one mix can be included in a ration.

Why is the mix function important? If mixing grain, supplement, salt and vitamins on farm, in a feed mill or other equipment; knowing how much of each ingredient to add to a load is essential. The mix function calculates how much of each ingredient to add to the load to meet nutritional requirements for a group of animals. The percentage of each ingredient is kept constant, no matter what the size of the mix.

To create a mix: After the ration is balanced, a mix can be created. On the ration screen, select the feeds to be included in the mix by clicking on the box or boxes at the left hand side of the screen. Once the feeds are selected as indicated by the check marks, click *Create Mix*.

г						
		File Title: replace	ment ewe la	imbs	Repla	acciment Ewe
	1	Ration 🛒 Animal	👑 Feeds	Feed	ing Informat	ion 🛛 📴 Y
	t	📀 Add Feeds 📀 Edit	e 🤤 Remo	ove Feeds	Create	Mix 🥥 Un
		Feed Name	As Fed (Ibs)	DM Fed (lbs)	As Fed (%)	DM Fed (%)
		BARLEY SILAGE	5.0000	1.8400	87.0	73.4
		BARLEY GRAIN	0.5000	0.4425	8.7	17.6
		32% LAMB SUPPLE	0.2500	0.2250	4.3	9.0
		ALF-GRASS HAY	0.0000	0.0000	0.0	0.0

The Create Mix screen appears. Name the mix, set the batch size; then click Save.

Feed Name:		As Fed Tota	1(105)			
Replacement ewe lambs		5.8				
Batch Size(lbs/unit):		DM(%):			- I	
2204.0		43.6				
✓ Title	As Fed (Ibs)	DM Fed (lbs)	As Fed (%)	DM Fed (%)		
BARLEY SILAGE	5.0000	1.8400	87.0	73.4		
BARLEY GRAIN	0.5000	0.4425	8.7	17.6		
32% LAMB SUPPLEM	0.2500	0.2250	4.3	9.0		

All feeds placed into the mix have a feeding value of zero on the ration page. The mix is added to the top line of the ration page with the total amount of the mix to be provided per head per day.

If you need to break apart a mix, click on the box to the left of the mix name and then click on *Un-create Mix*.

	File Title: replace	Replacement Ewe Lambs La								
🐏 Ration 🛒 Animal 🏙 Feeds 🔟 Feeding Information 🔯 Yardage Calcu										
Ŧ	🗜 💿 Add Feeds 💿 Edit 🤤 Remove Feeds 🛛 💿 Create Mix 🤤 Un-create Mix									
	Feed Name	As Fed	DM Fed	As Fed	DM Fed	DM				
		(lbs)	(lbs)	(%)	(%)	(%)				
	replacement ewe la	5.7500	2.5075	100.0	100.0	43.6				
	32% LAMB SUPPLE	. 0.0000	0.0000	0.0	0.0	90.0				
	ALF-GRASS HAY	0.0000	0.0000	0.0	0.0	87.4				

The ration report displays the feed mix information towards the bottom of the first page.

Mix Name	As Fed (lbs)	DM Fed (lbs)	As Fed (%)	DM Fed (%)	Weight / Batch (lbs)	Weigh / Batcl / Day(lbs
Replacement Ewe Lambs	5.750	2.507	100.00	100.00	2204.0	1437.
BARLEY SILAGE	5.000	1.840	86.96	73.38	1916.6	1250.
BARLEY GRAIN	0.500	0.442	8.70	17.65	191.7	125.
32% LAMB SUPPLEMENT	0.250	0.225	4.35	8.97	95.9	62.

Ingredients included in the mix are listed by percent both on an as fed and dry matter basis. The amount of each ingredient in the "load" is also displayed.

Feed consumption by individual animals or a group of animals can change for a number of reasons. For example; as weather becomes colder, feed intake increases. If the animals are sick, feed intake decreases. Keeping the amount of each ingredient constant within the mix is necessary to prevent metabolic problems or animals going off feed when intake changes.

Batch Scale Sheets are created from a feed mix. The batch scale report provides a ration with a constant proportion for each feed over a range of batch weights to account for the changes in the day to day feed intake.

To create a batch scale sheet, click on the reports tab and select the batch scale sheet report.

File • Title: replacement ewe l	• Replacement Ewe Lambs Late Ges	ation - Last 6 Weeks Wt 88 lbs ADG 0.4 lbs Singles
🔮 Ration 🏾 😭 Animal 👑 Feeds	🔟 Feeding Information 🛛 📴 Yardage Calculator	🌢 Water 📝 Notes 🤣 Client 🕎 Calculator 📑 Reports
Download PDF Select a report:	Quick Report Report Report Report	atch Scale eta Report Water Report Report

lix Name:	Number of Head:	As Fed Per Day(lbs	s):	Character
Replacement e	we 💙 0	0.00		Choose t
irst Batch Weig	ht: Last Batch Weight	: Increment:		the batc
2500	3600	100.0000		if more t
Show dry ma	atter and as fed values.			Indicate
				the grou
hoose Order	To Add Feedstuffs			feed pro
)rder list using d				from the
Feed Name	andy and dreat			
BARLEY SILAG	E			🔰 Set the r
	-			
32% LAMB SUF	PPLEMENT			weight o
	PPLEMENT			weight o of chang
32% LAMB SUF	PPLEMENT			weight o of chang
32% LAMB SUF	PPLEMENT			weight o of chang batches.
32% LAMB SUF BARLEY GRAIN	PPLEMENT			weight o of chang batches. Mix nutr printed o
32% LAMB SUF BARLEY GRAIN	PPLEMENT N	Rounding:		 weight of chang batches. Mix nutr printed of sheet. Cl
32% LAMB SUF BARLEY GRAIN Get Defaults Fo from:	PPLEMENT N or Rounding Feedstuffs	Rounding: 0.01 lbs		 weight of chang batches. Mix nutr printed of sheet. Cl
32% LAMB SUF BARLEY GRAIN Set Defaults For rom: 0.0000	PPLEMENT N Dr Rounding Feedstuffs To:		•	weight o of chang batches. Mix nutr printed o sheet. Cl informat
32% LAMB SUF BARLEY GRAIN Set Defaults For rom: 0.0000 0.0000	PPLEMENT N or Rounding Feedstuffs To: 0.0000	0.01 lbs	•	 weight o of chang batches. Mix nutr printed o sheet. Cl informat The orde added to
32% LAMB SUF BARLEY GRAIN Set Defaults For rom: 0.0000 0.0000 0.0000	PPLEMENT N Dr Rounding Feedstuffs To: 0.0000 0.0000	0.01 lbs	• •	 weight o of chang batches. Mix nutr printed o sheet. Cl informat The orde added to by clickir
32% LAMB SUF BARLEY GRAIN Set Defaults For rom: 0.0000 0.0000 0.0000 0.0000	PPLEMENT N	0.01 lbs 0.01 lbs 0.01 lbs	· · · · · · · · · · · · · · · · · · ·	 weight o of chang batches. Mix nutr printed o sheet. Cl informat The orde added to by clickin dragging
32% LAMB SUF BARLEY GRAIN Get Defaults Fo	PPLEMENT N	0.01 lbs 0.01 lbs 0.01 lbs 0.01 lbs 0.01 lbs	· · · · · · · · ·	Set the n weight o of chang batches. Mix nutr printed o sheet. Cl informat The orde added to by clickir dragging feed will

ale sheet setup:

nix to be included in et. Use down arrow one mix exists.

number of animals in he total amount of d per day is calculated nber of animals.

num and maximum mix and the quantity increments between

content can be s part of the batch he box to include

which the feeds are mix can be changed the name and the correct order the dded to the load.

defaults for accuracy

report

The batch scale sheet indicates the amount of each ingredient to be added to a specific size mix. This is very helpful when feeding a total mixed ration to a group of animals.

An example of a batch scale sheet is shown at the top of the next page.

SheepBytes Ration Bala	ancer		Batch	Scale Sl	neets				
								Report Date: 0	06/19/2012
Number Of Head:25	50		As Fed Per	r Day: 3169.	15 lbs				
Feed Name	As Fed % of Mix	Amount	Scale Reading	Amount	Scale Reading	Amount	Scale Reading	Amount	Scale Reading
BARLEY SILAGE	86.96	2173.91	2173.91	2260.87	2260.87	2347.83	2347.83	2434.78	2434.78
BARLEY GRAIN	8.70	217.39	2391.30	226.09	2486.96	234.78	2582.61	243.48	2678.26
32% LAMB SUPPLEMENT	4.35	108.70	2500.00	113.04	2600.00	117.39	2700.00	121.74	2800.00
Batch Total		2500.00		2600.00		2700.00		2800.00	
Feed Name	As Fed % of Mix	Amount	Scale Reading	Amount	Scale Reading	Amount	Scale Reading	Amount	Scale Reading
BARLEY SILAGE	86.96	2521.74	2521.74	2608.70	2608.70	2695.65	2695.65	2782.61	2782.61
BARLEY GRAIN	8.70	252.17	2773.91	260.87	2869.57	269.57	2965.22	278.26	3060.87
32% LAMB SUPPLEMENT	4.35	126.09	2900.00	130.43	3000.00	134.78	3100.00	139.13	3200.00
Batch Total		2900.00		3000.00		3100.00		3200.00	
Feed Name	As Fed % of Mix	Amount	Scale Reading	Amount	Scale Reading	Amount	Scale Reading	Amount	Scale Reading
BARLEY SILAGE	86.96	2869.57	2869.57	2956.52	2956.52	3043.48	3043.48	3130.43	3130.43
BARLEY GRAIN	8.70	286.96	3156.52	295.65	3252.17	304.35	3347.83	313.04	3443.48
32% LAMB SUPPLEMENT	4.35	143.48	3300.00	147.83	3400.00	152.17	3500.00	156.52	3600.00
Batch Total		3300.00		3400.00		3500.00		3600.00	

Reports:

Having a paper record of feed quality used to formulate the rations and the final recommendations is a good backup in case the electronic information is lost. It is also helpful to have printed reports to refer to when mixing the feed or discussing the information with a nutritionist or feed salesman, veterinarian or client.

There are a number of reports available in the SheepBytes program. All rations must be saved to a file prior to printing a report. Examples of all the reports are in the appendix starting on page 29.

SheepBytes Ration Bal	ancer	0
File Title: growing lambs		sa
📄 Save	de la la	Se dı
📄 Set As Default New Ration	DW	U se
🏫 Return To Ration List	52	

On the Ration screen, click *File* to save the ration

Select one of the options from the drop down menu to save the file

Using *Save As* allows the user to set the name of the ration.

When the "Save" button is used; the new ration is placed into the same file and folder that you opened at the start of the session. The original information is over written lost and cannot be retrieved.

In order to preserve the previous file and the modifications made to the new ration, the "Save as" button is used. The pop up box below appears on the screen.

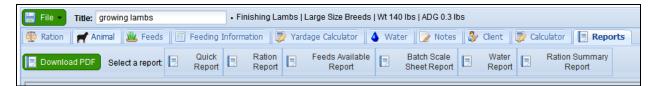
Save Ration	I	×
Change file name	to make a copy.	
File Name:	replacement ewe lambs june 25 2013	
Folder Name:	manual 💌	
	🔚 Save 🔀 Cancel	

Each ration must have a unique name to prevent copying information on top of an existing file. It might be useful to include the date in the file name to identify different rations for the same group or type of animals.

Reports are generated by clicking on the reports tab.

Ration Name: New Ration	1		Animal De	etails: Matur	e Ewes Mai	intenance B	W 88 lbs Al	DG 0.0 lbs				
	🙀 Ration 🚽 Animal 💥 Feeds 🗐 Feeding Information 🕞 Yardage Calculator 🛕 Water 🕞 Notes 🐉 Client 🕞 Calculator 📄 Reports											
Feed Name	As Fed (lbs)	DM Fed (lbs)	As Fed (%)	DM Fed (%)	DM (%)	NEm (Mcal/lb)	NEg (Mcal/lb)	ME (mg/kg)	Protein (%)	Calcium (%)	Phosphorus (%)	Cost (\$/unit)
20% RANGE PEL	0.5000	0.4500	13.8	14.0	90.0	0.85	0.56	2.806	22.20	1.33	0.89	276.0

There are 6 different reports listed on the reports menu. To select a report, click on the name of the report required. Samples of all the reports are included in the appendix.



Quick Report provides the basic information about the ration that has been formulated. It contains the amount of feed or feeds required by one animal for one day. It also provides the cost of the ration. Cost of gain by feed cost and cost of gain for feed plus yardage are listed. Nutrient requirements and nutrients supplied for the specified animal is also in the report.

Ration Report contains more information than the quick report. Along with what is contained in the quick report, the ration report includes feed inventory requirements for the group on a daily basis and for the feeding period. Ratios used by nutritionists to evaluate the ration such as: calcium to phosphorus, tetany ration, NDF as a % of body weight, copper to molybdenum, dietary cation / anion, concentrate to forage, and dry matter intake as a % of body weight are included.

Feed Available Report displays the nutrient content of the feeds available to formulate the ration. If feed test reports are lost or the information needs re-entering because of computer problems, this report contains the required data.

Batch Scale Sheet Report includes all the feeds included in a feed mix. Especially handy when making total mixed rations. Each feed is listed as a constant percentage of the total mix. When

a group of animals requires a larger or smaller amount of a mixture due to a weather change or increased consumption by growing animals, the amount of each ingredient in the batch or load is listed. Nutrient content of the mix can be included in the report on a dry and as fed basis.

Water Report interprets a water test results, and provides information on the suitability of the water for livestock use.

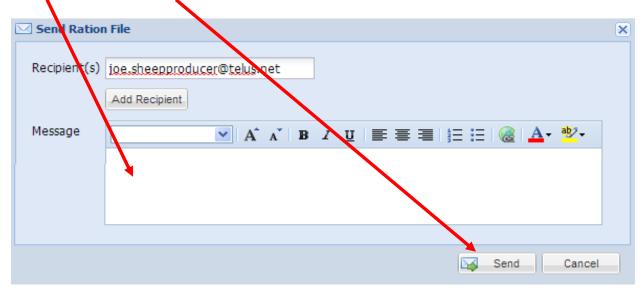
Summary Report compiles the total amount of feed used in the rations. Number of animals and days on feed for each group is itemized and the feed consumed by each group is provided. Costs are divided between home grown and purchased feeds. A grand total of each feed ingredient is calculated along with the cost. Helpful to reconcile feed inventory against feed requirements for the year.

Send ration files or a ration report by e-mail:

A saved ration file or ration report can be sent to another person by e-mail. From the Ration List screen, place a check mark in the ration or rations that you wish to send. Then click on send ration file.

Rati	ions List		
	New Ration 🛛 📝 Open Ration 📑 Delete Rati	ion 🛛 📃 Ration Reports 👻 🔂 Send Ration File 🗔 Email Ration Repo	rt
	File	Title	Client Name
•	DEFAULT (2 Rations)		
•	📝 trial working copy	replacement ewe lambs	
	Animal Details : Replacement Ewe Lambs La	ate Gestation - Last 6 Weeks BW-88(lbs) ADG-0.364(lbs) Singles	

The pop up box appears. Put the e-mail address into the recipients' box and type in a message if required. Click on the "Send" box when the information is complete.



Receiving a ration by e-mail:

An e-mail notice is sent from the SheepBytes server to the person receiving a ration file. This is the e-mail account that was set up under the Other Account Data (page 8).

From:	SheepBytes <sysadmin@sheepbytes.ca> on behalf of noreply@sheepbytes.ca</sysadmin@sheepbytes.ca>						
To:							
Cc							
Subject:	SheepBytes account received rations from						
Subject: SheepBytes account received rations from SheepBytes rations have received into your account from							
Sign in to	o your SheepBytes account and find the following rations:						

When SheepBytes is opened; under the "Ration List" tab, there is a folder titled "Received Rations" Any file by received by e-mail is automatically placed in this folder. To open the file, place a checkmark in the file box and click on "Open Ration" button.

📑 New Ration 🛛 📝 Ope	en Ration 🛛 📑 Delete Ration 🛛 📑 Ration Reports	 Send Ration File 🥁 Email Ration Report 	Other Accoun
File	Title	Client Name	Date
DEFAULT (1 Ra			
RECEIVED RAT	IONS (8 Rations)		

The file is opened in the Ration Screen. Treat the file the same as you would any other file in SheepBytes.

Receiving a ration report by e-mail:

When a ration report is received, it is in the Adobe Acrobat format. The information is contained in an attached file. This is a "read only" application.

Other features of the SheepBytes Program:

Adding feeds to the feed table:

Feed tags, feed test results, or medication labels can be added to the feed table. With the feed tab open, click *New*.

Ration	r Animal 👑 F	eeds Feeding Inf	ormation
Search F	ed Name	All Pasture	Byproduct Salt
🗜 🕥 New	💿 Copy 🥜 Ed	lit 🤤 Delete 📝 Ne	w Mix 📑 Re
	Category	Feed Name	DM (%)
in	Hay	ALF-GRASS HAY	87.4

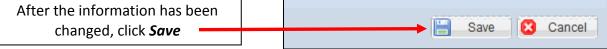
Enter as much information that is available. Nutrient levels listed on feed labels or medications are listed on the tag on an as-fed basis. Change the **Nutrient Values** to **As Fed** (by clicking on the arrow), to eliminate the need to convert the values to a dry matter basis.

New Feed				3
Feed		Nutrients		
Feed Name:		Protein(%).	Salt(%):	Iron(mg/kg):
Feed Category:	·	0.05	0.00	0
DM(%):	0.0	Calcium(%):	Vitamin A(KIU/kg):	Molybdenum(mg/kg):
		0.00	0.0	0
Nutrient Values:	Dry Matter Basis	Phosphorus(%):	Vitamin D(IU/kg):	NDF(%):
		0.00	0	0.0
Energy Values		Cost(\$/unit):	Vitamin E(IU/kg):	eNDF(%) of NDF:
DE(Mcal/lb):	0.00	0.00	0	0.0
TDN(%):	0.00	Unit Weight(lbs/unit):	Copper(mg/kg):	DIP(%) of CP:
NEm(Mcal/lb):		0.000	0	0.0
		Magnesium(%):	Manganese(mg/kg):	UIP(%) of CP:
NEg(Mcal/lb):	0.00	0.00	0	0.0
		Potassium(%):	Zinc(mg/kg):	Ionophore(mg/kg):
		0.00	0	0
		Sulphur(%):	Selenium(mg/kg):	Nitrate(NO3):
		0.00	0.00	0.00
		Sodium(%):	Iodine(mg/kg):	Other:
		0.00	0.0	0.0
		Chloride(%):	Cobalt(mg/kg):	Concentrate or Forage?:
		0.00	0.0	Concentrate 💌
NOTE: All nutrients must	be entered on a dry matter basis.			Create 🔀 Cancel

Once all the information is entered, click on the create button. The feed will be added to the feed table.

Editing an existing feed in the feed table With the feed tab open, click on the box to the left of the feed name. A screen will appear. Change the values in question and save the information. The values that were changed are lost and cannot be retrieved. It is recommended to make a copy of the feed and re-name it. That way the original data is not lost.

Feed	ALF-GRASS HAY		Nutrients Protein(%):	Salt(%):	Iron(mg/kg):
	•		14.00	0.03	200
Feed Category:	Hay	~	Calcium(%):	Vitamin A(KIU/kg):	Molybdenum(mg/kg):
DM(%):	87.4		1.22	0.0	2
Nutrient Values:	Dry Matter Basis	~	Phosphorus(%):	Vitamin D(IU/kg):	NDF(%):
			0.19	0	52.0



To copy an existing feed, from the feed table tab, click on the box to the left of the feed name. When the screen opens, re-name the feed, change the nutrient values as required and create the new feed. A field name, year information may be helpful in identifying different feeds.

New Feed				×
Feed Feed Name: Copy of ALFALFA HAY EB Feed Category: Hay		Nutrients Protein(%): 18.20	Salt(%): 0.03	Iron(mg/kg): 213
DM(%): 87.9 Nutrient Values: Dry Matter Basis	~	Calcium(%): 1.52 Phosphorus(%):	Vitamin A(KIU/kg): 0.0 Vitamin D(IU/kg):	Molybdenum(mg/kg): 3 NDF(%):
After all the information has been changed, click Create .				reate 🔀 Cancel

Deleting an existing feed from the feed table tab can only be done if it is a feed that was added to the default table. Feeds from the original feed table cannot be deleted.

A feed that was added to the program has a green color compared to a black color for feeds included in the default table. Click on the box to the left of the feed name (green color). Then click **Delete**.

t	📀 New	📀 Copy 🥜 Ed	lit 🤤 Delete 🛛 📝 Nev	v Mix 📃 R	eports 🕶 🔤						
		Category	Feed Name	DM (%)	NEm (Mcal/lb)	NEg (Mcal/lb)	Protein (%)	Calcium (%)	Phosphorus (%)	Cost As Fe (\$/unit)	Unit Weight (Ibs/unit)
V	in	Hay	This one to delete	90.0	0.74	0.47	22.0	1.30	0.25	60.00	2204
	in	Hay	ALF-GRASS HAY	87.4	0.59	0.33	14.0	1.22	0.19	60.00	2000
	add	Hay	ALFALFA HAY EB	87.9	0.61	0.35	18.2	1.52	0.24	60.00	2000

A pop up box appears to confirm that the feed is to be deleted. Click **Yes**.

Delete	Your are about to delete 1 item(s). Are you sure?
	Yes No

<u>Commercial application – customer data entry</u>

Identifying client information is necessary when keeping a copy of your work. Click on the client information tab to enter relevant information. This information will appear on the quick report and the ration report.

File - Title: grov	wing lambs • Finishing Lambs Large Size Breeds Wt 140 lbs ADG 0.3 lbs 🔸
🔮 Ration 🛛 🛒 Animal	🏙 Feeds 📄 Feeding Information 🛛 🐺 Yardage Calculator 🛛 🝐 Water 📄 Notes 🐉 Client 🕞 Calculator 🗍 🖳 Reports
Full Name:	
Email:	
Title:	
Other:	
Address:	
City:	
Region:	
Country:	
Postal:	
Phone:	
Cell:	
Fax:	

Appendix : **Quick report**: Page 1 of 2

eepBytes Ration Balancer	Quick	Report			
e: trial working copy	Title: replaceme	ent ewe lambs		Re	eport Date: 06/21/201
Prepared By:		Client:			
Name:		Name	e:		
Title:		Title	e:		
Other:		Othe	r:		
Address:		Addres	s:		
			•		
Phone:		Phone	e:		
Cell:		Ce	11:		
Fax:		Fa	x:		
Email:		Ema	il:		
Animal Information					
Animal Details:Replacement Ewe Lambs	Late Gestation - Las	t 6 Weeks Wt 88	Ibs ADG 0.4 lbs	Singles	
Predicted ADG:0.51		Day	ys To Gain ½ BCS	:13.00	
Wool Depth:Full Fleece - >		Approximate	e Temperature (C)	:0	
Wind Speed (km/hr):<= 18 Km/Hr or	11 Miles/Hr				
Number Of Head:250		Number Of Da	avs:50		
_Feed Name	As Fed Ibs/Head/Day	Wastage %	% of Ration	\$/Head /Day	lbs
BARLEY SILAGE	5.0000	10.00	86.96	\$0.12	2000.00
BARLEY GRAIN	0.5000	10.00	8.70	\$0.05	48.00
		5.00	4.35	\$0.04	2204.00
32% LAMB SUPPLEMENT	0.2500				
32% LAMB SUPPLEMENT Feed Total:				\$0.21	
	5.7500			\$0.21 \$0.15	
Feed Total:	5.7500		Total:		
Feed Total:	5.7500	Feed Cos	Total: st/lb Of Gain:	\$0.15	
Feed Total:	5.7500			\$0.15 \$0.36	

Responsibility for interpretation of the reports provided by this program rests with the user.

06/21/2012

All nutrients are on a dry matter basis.

Quick Report Page 2 of 2

Feeds+Wate	71	Recomn	nended	Concentr	ation
3		2.5	(lbs)	43.6	(%)
3.37	**	5.02	(Mcal)	2.96	(Mcal/lb)
0.77	**	1.14	lbs	67.30	(%)
1.04		1.04	(Mcal)	1.54	(Mcal/lb)
0.44	**	0.94	(Mcal)	0.94	(Mcal/lb)
164	*	120	(grams)	14.4	(%)
9		5	(grams)	0.82	(%)
4	*	3	(grams)	0.33	(%)
6	**	1	(grams)	0.51	(%)
15	*	5	(grams)	1.34	(%)
2		2	(grams)	0.21	(%)
15	**	1	(grams)	1.30	(%)
0		0	(grams)	0.00	(%)
34	**	1	(grams)	7.08	(%)
5950		6067	(IU)	5.2	(KIU/kg)
595		607	(IU)	523.4	(IU/kg)
11	**	224	(IU)	10	(mg/kg)
5	**	6	(mg)	5	(mg/kg)
59		22	(mg)	52	(mg/kg)
84		34	(mg)	74	(mg/kg)
0.20		0.19	(mg)	0.18	(mg/kg)
0.3	**	0.6	(mg)	0.3	(mg/kg)
0.1	**	0.1	(mg)	0.1	(mg/kg)
269		33	(mg)	237	(mg/kg)
2.1	*	0.6	(mg)	1.8	(mg/kg)
40.0		0.0	(%)	40.0	(%)
24.8		20.0	(%)	61.9	(% of NDF
96					(% of CP)
					(% of CP)
					(mg/kg)
					(III)(III)
2	**		(grams)		(%)
	$\begin{array}{c} 3.37\\ 0.77\\ 1.04\\ 0.44\\ 164\\ 9\\ 4\\ 6\\ 15\\ 2\\ 15\\ 0\\ 34\\ 5950\\ 595\\ 11\\ 5\\ 59\\ 84\\ 0.20\\ 0.3\\ 0.1\\ 269\\ 2.1\\ 40.0\\ 24.8\\ 96\\ 67\\ 0\\ 0.00\\ \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

(*)- Caution(Yellow) supplied value is not in range of acceptible required value.

(**)- Warning(Red) supplied value is far out of range of acceptible required value.

Responsibility for interpretation of the reports provided by this program rests with the user.

06/21/2012

All nutrients are on a dry matter basis.

Page 2 of 2

Ration Report: Page 1 of 2

 SheepBytes Ration Balancer
 Ration Report

 File: trial working copy
 Title: replacement ewe lambs

 Prepared By:
 Client:

 Name:
 Ittle:

 Title:
 Name:

 Title:
 Other:

 Address:
 Address:

Address: Add

Notes

Number Of Head:250				Ν	umber Of Da	ays:50				
Feed Name	As Fed Weight Ibs	Wastage %	% of Ration	\$/Head /Day	Түре	lbs	By Gr per One Packages	e Daγ*	By Gi per 50 [Packages	
BARLEY SILAGE	5.000	10.0	86.96	\$0.12	Tons	2000.001	34.375	\$1,615.62	34.375	\$1,615.62
BARLEY GRAIN	0.500	10.0	8.70	\$0.05	Bushels	48.000	143.229	\$716.15	143.229	\$716.15
32% LAMB	0.250	5.0	4.35	\$0.04	Tonnes	2204.001	1.489	\$521.07	1.489	\$521.07
Feed Tota Yardaqe Cost Tota				\$0.21 \$0.15				\$2,852.84 \$37.50		\$2,852.84 \$1,875.00
Tota	d:			\$0.36				\$2,890.34		\$4,727.84
	Tota	al Feed Cos	t: \$2,852.84			Fee	d Cost/lb Of	f Gain: \$0.9	8	
	Total Ya	ardage Cos	t: \$1,875.00			Tota	al Cost/lb Of	f Gain: \$1.6	3	
* waste factor included	I									

Responsibility for interpretation of the reports provided by this program rests with the user.

06/21/2012

All nutrients are on a dry matter basis.

Page 1 of 2

Report Date: 06/21/2012

Ration Report: Page 2 of 2

Nutrients DM basis)	Supplied Feeds+Wate	er	Recomm	nended	Diet Concentr	
DM Intake	3		2.5	(lbs)	43.6	(%)
DE	3.37	**	5.02	(Mcal)	2.96	(Mcal/lb)
TDN	0.77	**	1.14	lbs	67.30	(%)
NEmTot	1.04		1.04	(Mcal)	1.54	(Mcal/lb)
NEq	0.44	**	0.94	(Mcal)	0.94	(Mcal/lb)
Protein	164	*	120	(grams)	14.4	(%)
Calcium	9		5	(grams)	0.82	(%)
Phosphorus	4	*	3	(grams)	0.33	(%)
Magnesium	6	**	1	(grams)	0.51	(%)
Potassium	15	*	5	(grams)	1.34	(%)
Sulphur	2		2	(grams)	0.21	(%)
Sodium	15	**	1	(grams)	1.30	(%)
Chloride	0		0	(grams)	0.00	(%)
Salt	34	**	1	(grams)	7.08	(%)
Vitamin A	5950		6067	(IU)	5.2	(KIU/kg)
Vitamin D	595		607	(IU)	523.4	(IU/kg)
Vitamin E	11	**	224	(IU)	10	(mg/kg)
Copper	5	**	6	(ma)	5	(mg/kg)
Manganese	59		22	(mg)	52	(mg/kg)
Zinc	84		34	(mg)	74	(mg/kg)
Selenium	0.20		0.19	(mg)	0.18	(mg/kg)
lodine	0.3	**	0.6	(mg)	0.3	(mg/kg)
Cobalt	0.1	**	0.1	(mg)	0.1	(mg/kg)
Iron	269		33	(mg)	237	(mg/kg)
Molybdenum	2.1	*	0.6	(mg)	1.8	(mg/kg)
NDF	40.0		0.0	(%)	40.0	(%)
eNDF	24.8		20.0	(%)	61.9	(% of NDI
DIP	96		148	(grams)	59.0	(% of CP)
UIP	67			(grams)		(% of CP)
lonophore	0			(mg)		(mg/kg)
Other	0.00		0.00		0.0	
Nitrate(NO3)	2	**		(grams)		(%)

(*)- Caution(Yellow) supplied value is not in range of acceptible required value.

(**)- Warning(Red) supplied value is far out of range of acceptible required value.

Responsibility for interpretation of the reports provided by this program rests with the user.

06/21/2012

All nutrients are on a dry matter basis.

Page 2 of 2

Feeds Available Report: Page 1 of 1

SheepBytes Ration Balancer

Feeds Available

File: June 7

Title: growing lambs

Report Date: 06/07/2012

	Dry	NEm	NEq	Protein		Ca	Р	Mg	к	S
Feed Name	%	Mcal/lb	Mcal/lb	%		%	%	%	%	%
BRLY GREENFEED	85.9	0.57	0.31	11.80		0.41	0.22	0.23	1.83	0.12
BARLEY GRAIN	88.5	0.92	0.62	12.50		0.07	0.38	0.14	0.54	0.02
ALFALFA HAY EB	87.9	0.61	0.35	18.20		1.52	0.24	0.33	1.72	0.03
20% RANGE PEL	90.0	0.85	0.56	22.20		1.33	0.89	0.17	0.33	0.22
1:1 MINERAL NO	99.0	0.00	0.00	0.00		17.00	17.00	0.50	0.00	0.00
EWE'S MILK	18.2	1.65	1.20	24.70		0.20	0.15	0.02	0.15	0.04
OAT CHAFF	89.0	0.47	0.22	6.50		0.51	0.15	0.17	1.55	0.20
OAT HULLS	90.0	0.29	0.05	4.50		0.10	0.18	0.12	0.59	0.01
SUNFLOWER OIL	99.0	2.57	1.92	0.00		0.00	0.00	0.00	0.00	0.00
	Unit	Unit	Na	СІ	Salt	Vit. A	Vit. D	Vit. E	Cu	Mn
Feed Name		Weight(lbs)	%	%	%	KIU/kq	IU/kq	IU/kg	mq/kq	mq/kq
BRLY GREENFEED	45.00	1250	0.12	0.00	0.30	0	0	0	7	35
BARLEY GRAIN	3.90	48	0.02	0.00	0.05	0	0	0	6	17
ALFALFA HAY EB	60.00	1400	0.03	0.00	0.08	0	0	0	6	40
20% RANGE PEL	276.00	2204	0.22	0.00	0.55	44	44	56	78	111
1:1 MINERAL NO	24.00	55	0.00	0.00	0.00	560	560	400	25	6000
EWE'S MILK	1.00	2	0.04	0.10	0.10	0	0	15	0	0
OAT CHAFF	32.00	2000	0.20	0.00	0.50	0	0	0	3	34
OAT HULLS	40.00	2000	0.01	0.00	0.02	0	0	0	3	34
SUNFLOWER OIL	920.00	2204	0.00	0.00	0.00	0	0	0	0	0
	Zn	Se	1	Со	Fe	Мо	NDF	eNDF	DIP	UIP
Feed Name	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	% of NDF	% of CP	% of CP
BRLY GREENFEED	29	0.03	0.00	0	250	2.0	58	92	70	30
BARLEY GRAIN	40	0.03	0.00	0	80	2.0	23	34	67	33
ALFALFA HAY EB	23	0.03	0.00	0	213	3.0	47	92	81	19
20% RANGE PEL	167	1.11	2.00	1	0	0.0	0	6	68	32
1:1 MINERAL NO	8000	30.00	140.00	45	5500	0.0	0	0	0	100
EWE'S MILK	3	0.03	0.00	0	1	0.0	0	0	81	19
OAT CHAFF	11	0.03	0.00	0	300	1.0	65	50	45	55
OAT HULLS	11	0.03	0.00	0	300	1.0	78	35	72	28
SUNFLOWER OIL	0	0.00	0.00	0	0	0.0	0	0	100	0

	lonophore	Other	Nitrate
Feed Name	mg/kg		
BRLY GREENFEED	0	0	0
BARLEY GRAIN	0	0	0
ALFALFA HAY EB	0	0	0
20% RANGE PEL	0	0	0
1:1 MINERAL NO	0	0	0
EWE'S MILK	0	0	0
OAT CHAFF	0	0	0
OAT HULLS	0	0	0
SUNFLOWER OIL	0	0	0

Responsibility for interpretation of the reports provided by this program rests with the user.

06/21/2012

All nutrients are on a dry matter basis.

Batch Scale Report: Page 1 of 2

SheepBytes Ration Balancer

Batch Scale Sheets

Report Date: 06/21/2012

Number Of Head:250

As Fed Per Day: 3169.15 lbs

Feed Name	As Fed % of Mix	Amount	Scale Reading	Amount	Scale Reading	Amount	Scale Reading	Amount	Scale Reading
BARLEY SILAGE	86.96	2434.78	2434.78	2521.74	2521.74	2608.70	2608.70	2695.65	2695.65
BARLEY GRAIN	8.70	243.48	2678.26	252.17	2773.91	260.87	2869.57	269.57	2965.22
32% LAMB SUPPLEMENT	4.35	121.74	2800.00	126.09	2900.00	130.43	3000.00	134.78	3100.00
Batch Total		2800.00		2900.00		3000.00		3100.00	
	As Fed		Scale		Scale		Scale		Scale
Feed Name	% of Mix	Amount	Reading	Amount	Reading	Amount	Reading	Amount	Reading
BARLEY SILAGE	86.96	2782.61	2782.61	2869.57	2869.57	2956.52	2956.52	3043.48	3043.48
BARLEY GRAIN	8.70	278.26	3060.87	286.96	3156.52	295.65	3252.17	304.35	3347.83
32% LAMB SUPPLEMENT	4.35	139.13	3200.00	143.48	3300.00	147.83	3400.00	152.17	3500.00
Batch Total		3200.00		3300.00		3400.00		3500.00	
			Carla		Scale		Scale		Scale
Feed Name	As Fed % of Mix	Amount	Scale Reading	Amount	Reading	Amount	Reading	Amount	Reading
BARLEY SILAGE	86.96	3130.43	3130.43	3217.39	3217.39	3304.35	3304.35	3391.30	3391.30
BARLEY GRAIN	8,70								
	0.70	313.04	3443.48	321.74	3539.13	330.43	3634.78	339.13	3730.43
32% LAMB SUPPLEMENT	4.35	313.04 156.52	3443.48 3600.00	321.74 160.87	3539.13 <u>3700.00</u>	330.43 165.22	3634.78 3800.00	339.13 <u>169.57</u>	3730.43 3900.00
32% LAMB SUPPLEMENT Batch Total									
	4.35	156.52	3600.00	160.87	3700.00	165.22	3800.00	169.57	3900.00
		156.52		160.87		165.22		169.57	
Batch Total	4.35 As Fed	<u>156.52</u> 3600.00	3600.00 Scale	<u>160.87</u> 3700.00	3700.00 Scale	<u>165.22</u> 3800.00	3800.00 Scale	<u>169.57</u> 3900.00	3900.00 Scale
Batch Total	4.35 As Fed % of Mix	156.52 3600.00 Amount	3600.00 Scale Reading	<u>160.87</u> 3700.00 <u>Amount</u>	3700.00 Scale Reading	165.22 3800.00 Amount	3800.00 Scale Reading	<u>169.57</u> 3900.00 Amount	3900.00 Scale Reading
Batch Total Feed Name BARLEY SILAGE	4.35 As Fed % of Mix 86.96	<u>156.52</u> 3600.00 <u>Amount</u> 3478.26	3600.00 Scale <u>Reading</u> 3478.26	<u>160.87</u> 3700.00 <u>Amount</u> 3565.22	3700.00 Scale <u>Reading</u> 3565.22	<u>165.22</u> 3800.00 <u>Amount</u> 3652.17	3800.00 Scale <u>Reading</u> 3652.17	<u>169.57</u> 3900.00 <u>Amount</u> 3739.13	3900.00 Scale <u>Reading</u> 3739.13
Batch Total Feed Name BARLEY SILAGE BARLEY GRAIN	4.35 As Fed % of Mix 86.96 8.70	156.52 3600.00 <u>Amount</u> 3478.26 347.83	3600.00 Scale Reading 3478.26 3826.09	160.87 3700.00 <u>Amount</u> 3565.22 356.52	3700.00 Scale Reading 3565.22 3921.74	<u>165.22</u> 3800.00 <u>Amount</u> 3652.17 365.22	3800.00 Scale Reading 3652.17 4017.39	169.57 3900.00 <u>Amount</u> 3739.13 373.91	3900.00 Scale Reading 3739.13 4113.04

Responsibility for interpretation of the reports provided by this program rests with the user.

06/21/2012

All nutrients are on a dry matter basis.

Water Quality Report Page 1 of 1

SheepBytes Ration Balancer

Water Report

File: trial working copy

Title: replacement ewe lambs

Report Date: 06/21/2012

Animal Description: Replacement Ewe Lambs | Late Gestation - Last 6 Weeks | Wt 88 lbs | ADG 0.4 lbs | Singles Water Intake 3.4 Current Temperature 0.0 ltem mg/liter (ppm) grams Ratios Feed Only Water + Feed **Dissolved Solids** 7500.0 25.5 Ca:P 0 K/(Mq + Ca) Sulphate 0.0 0.0 0 Sodium 3500.0 11.9 (Na + K) - (CI + S) 0 Calcium 0.0 0.0 1000.0 3.4 Magnesium Potassium 0.0 0.0 Chloride 0.0 0.0 Iron 0.0 0.0 Nitrates 2000.0 1.5

Suitability for sheep

Dissolved Solids

Dissolved Solids (Approximate electrical conductivity from 10,448 ? 14,925 ?s/cm). Poor - Not recommended for pregnant, lactating or young lamb. Avoid using this type of water if possible, especially for extended periods of time. Likely to cause diarrhea in young lamb especially upon introduction. Older lamb may be able to survive for short terms of time on this water but water intake issues and or water refusal could affect overall acceptability and or feed intake and productivity. Significant trace mineral related production and/or health issues are likely to occur. production and/ or health issues are likely to occur.

Sulphate(SO4) Satisfactory for lamb. Greater than 500 mg/litre (ppm) may cause a temporary laxative effect in lamb, especially in young lamb until they become accustom to it. Levels greater than 500 mg/litre may also increase the severity of deficiencies in copper, zinc, manganese or iron. Sulphate has an additive effect with chloride as a laxative but sulphate has twice the effect of chloride. The tolerance of this level of sulphate in water will depend on the total dietary sulphur intake including that contained in the feed.

Calcium(Ca) No Problem

Sodium(Na) and Potassium(K)

Nitrate(NO3)

Unsuitable and Toxic. Abortions and lamb death highly likely. Should not be used as a source of water for lamb.

Nitrate(NO3)

Unsuitable and Toxic. Abortions and lamb death highly likely. Should not be used as a source of water for lamb.

Iron(Fe)

Magnesium(Mg)

Chloride(CI)

Responsibility for interpretation of the reports provided by this program rests with the user.

06/21/2012

All nutrients are on a dry matter basis.

Ration Summary Report: Page 1 of 2

SheepBytes Ration Balancer

Ration Summary Report

Report Date: 06/27/2012

Ration: File: Growing lamb Title: growing lamb demo No. Head: 250 No. Days: 50

> Growing Lambs | Large Size Breeds | Wt 65 lbs | ADG 0.400 lbs Daily

	Daily		Period			
Feed Name	Weight(lbs)	Packages	Weight(lbs)	Packages	Package Typ	
BARLEY SILAGE	962.50	0.48	48125.00	24.06	None	
OAT GRAIN	302.50	8.90	15125.00	444.86	None	
32% LAMB SUPPLEMENT	131.25	0.06	6562.50	2.98	None	

Ration: File: mature ewe late Title: Mature ewe late No. Head: 20 No. Days: 35

Mature Ewes | Late Lactation - After 6 Weeks | Wt 150 lbs | ADG 0.000 lbs | Triplets

	Daily		Period			
Feed Name	Weight(lbs)	Packages	Weight(lbs)	Packages	Package Type	
ALFALFA HAY EB	77.00	1.18	2695.00	41.46	Square Bale	
CORN GRAIN	44.00	0.02	1540.00	0.70	Tonnes	
SOYBEAN MEAL-44%	4.72	0.00	165.17	0.07	Tonnes	

Ration: File: Mature Ram TMR Title: mature rams

Mature Rams | Maintenance | Wt 200 lbs | ADG 0.000 lbs

	Da	Daily		Period	
Feed Name	Weight(lbs)	Packages	Weight(lbs)	Packages	Package Type
Mature ram TMR	88.53	0.04	13279.55	6.64	Mix
- 2:1 MINERAL W SALT	0.53	0.01	79.55	1.45	Bag
- BARLEY SILAGE	88.00	0.04	13200.00	6.60	Tons
- PEA STRAW	0.00	0.00	0.00	0.00	Round Bale
- 2:1 MINERAL W SALT	0.53	0.01	79.55	1.45	Bag
- PEA STRAW	0.00	0.00	0.00	0.00	Round Bale
- BARLEY SILAGE	88.00	0.04	13200.00	6.60	Tons
- BARLEY SILAGE	88.00	0.04	13200.00	6.60	Tons
- BARLEY SILAGE	88.00	0.04	13200.00	6.60	Tons
- 2:1 MINERAL W SALT	0.53	0.01	79.55	1.45	Bag
- 2:1 MINERAL W SALT	0.53	0.01	79.55	1.45	Bag
- PEA STRAW	0.00	0.00	0.00	0.00	Round Bale
- PEA STRAW	0.00	0.00	0.00	0.00	Round Bale

No. Head: 10

Ration: File: pregnant ewe

Title: pregnant ewe demo No. Head: 100

No. Days: 45

No. Days: 150

Mature Ewes | Early Gestation - First 15 Weeks | Wt 155 lbs | ADG 0.000 lbs | Twins

	Da	Daily Period		iod		
Feed Name	Weight(lbs)	Packages	Weight(lbs)	Packages	Package Type	
ALF-GRASS HAY	503.43	0.39	22654.46	17.43	Round Bale	
BARLEY GRAIN	24.86	0.52	1118.64	23.31	Bushels	
11 - 11 MINERAL PREMIX	2.12	0.04	95.45	1.74	Bag	

Responsibility for interpretation of the reports provided by this program rests with the user.

06/27/2012

All nutrients are on a dry matter basis.

Summary Report page 2 of 2

Total Amounts and Costs

Feed Name	Weight (lbs)	Packages	Home Cost	Purchase Cost	Total Cost
BARLEY SILAGE	100925.00	50.46	\$2,018.50	\$0.00	\$2,018.50
OAT GRAIN	15125.00	444.86	\$1,334.57	\$0.00	\$1,334.57
32% LAMB SUPPLEMENT	6562.50	2.98	\$893.26	\$0.00	\$893.26
ALFALFA HAY EB	2695.00	41.46	\$207.30	\$0.00	\$207.30
CORN GRAIN	1540.00	0.70	\$0.00	\$90.83	\$90.83
SOYBEAN MEAL-44%	165.17	0.07	\$0.00	\$34.47	\$34.47
2:1 MINERAL W SALT	318.18	5.79	\$0.00	\$133.06	\$133.06
PEA STRAW	0.00	0.00	\$0.00	\$0.00	\$0.00
ALF-GRASS HAY	22654.46	17.43	\$1,045.59	\$0.00	\$1,045.59
BARLEY GRAIN	1118.64	23.31	\$90.89	\$0.00	\$90.89
11 - 11 MINERAL PREMIX	95.45	1.74	\$0.00	\$67.68	\$67.68
		_	\$5,590.12	\$326.05	\$5,916.17

Responsibility for interpretation of the reports provided by this program rests with the user.

06/27/2012

All nutrients are on a dry matter basis.

Page 2 of 2