

# FARMAX 7.2 Sheep, Beef & Deer

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## Navigation Changes

### Cloud window

We have made some changes to the welcome cloud window, by adding some new buttons on the toolbar for quicker navigation:

- You can choose to 'hide' or 'show' inactive farms.
- The 'New File' button lets you create a file for any farm and for any folder in that farm without having to select the farm and folder first.
- You can now see at a glance how many files are in each folder, even when the folder is closed.

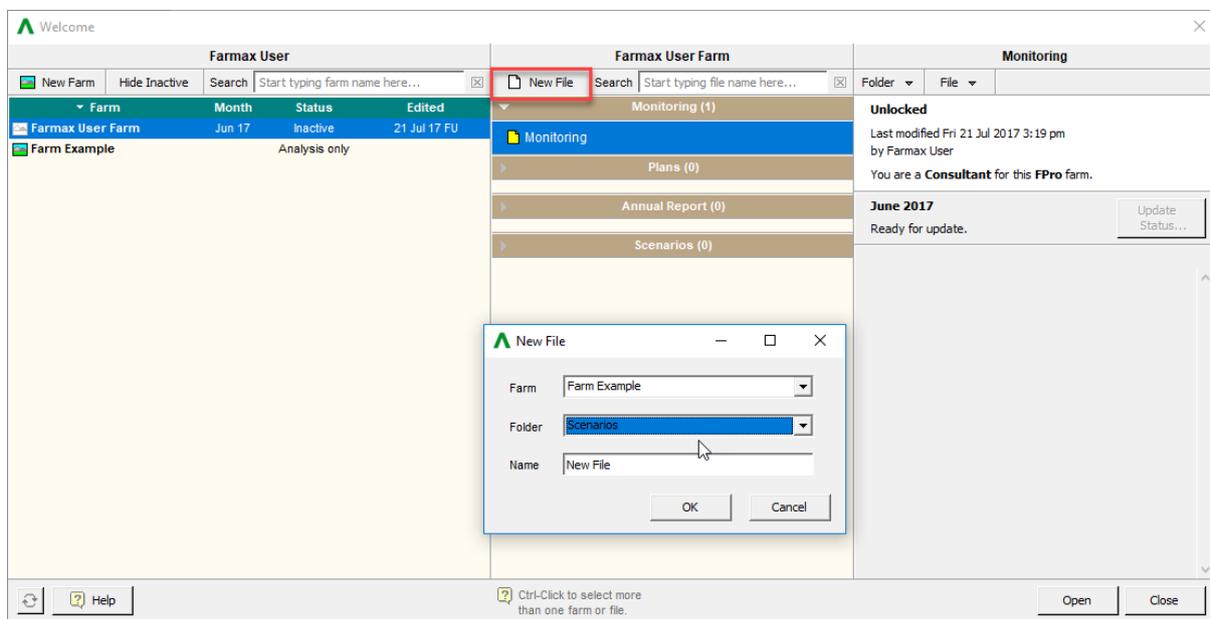


Figure 1 Farmax Cloud Window- Create New File

### Tree view

The modified tree layout now has the two top-levels combined into one. The combined farm level has a longer list of screens and reports, so there will usually be a scroll bar.

You will notice the Data Input and Reports sections can be collapsed (like folders of the cloud window) to make it more manageable.

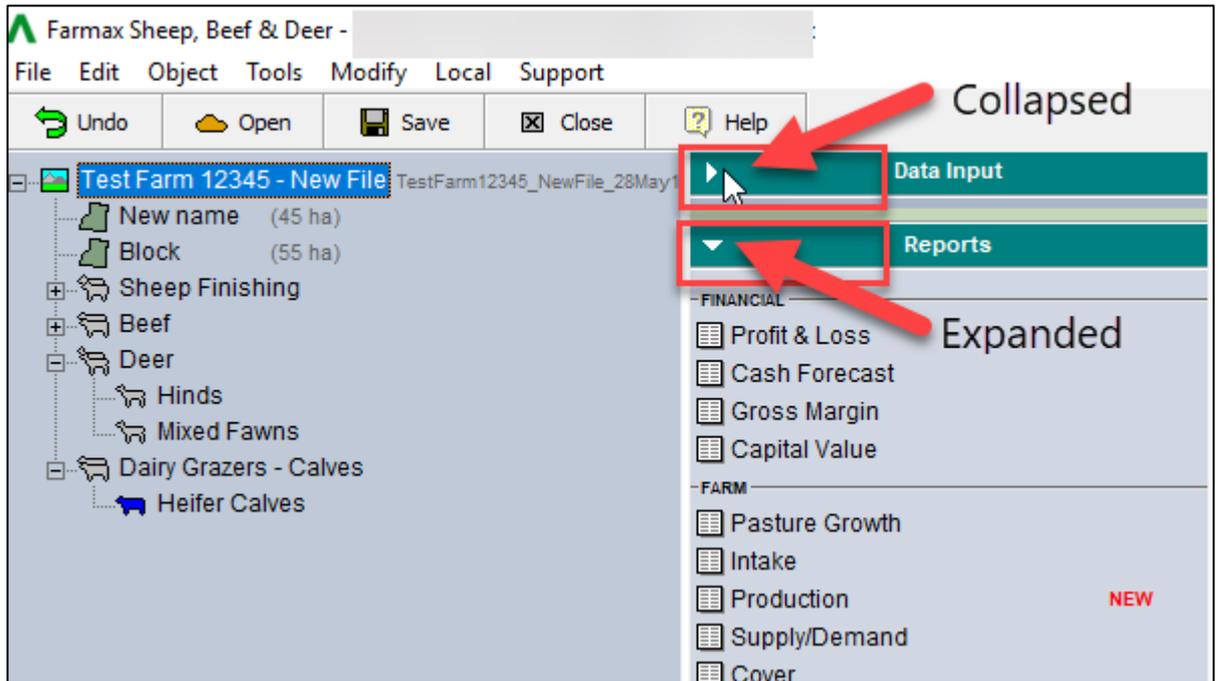


Figure 2: Tree View Collapse and Open sections

## New Reports

All new reports have a **NEW** label next to their name in the reports list

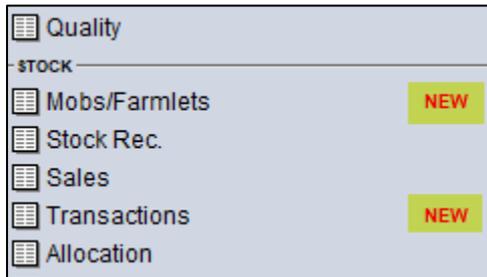


Figure 3: Example of New Report tag

## RMPP KPIs Report (Red Meat Profit Partnership KPIs Report)

Available at Farm Level

This new dashboard report displays a core set of Key Performance Indicators. This set of KPIs has been identified by the Red Meat Profit Partnership as a starting point for understanding farm business performance and is designed for comparing your farm's performance against others.

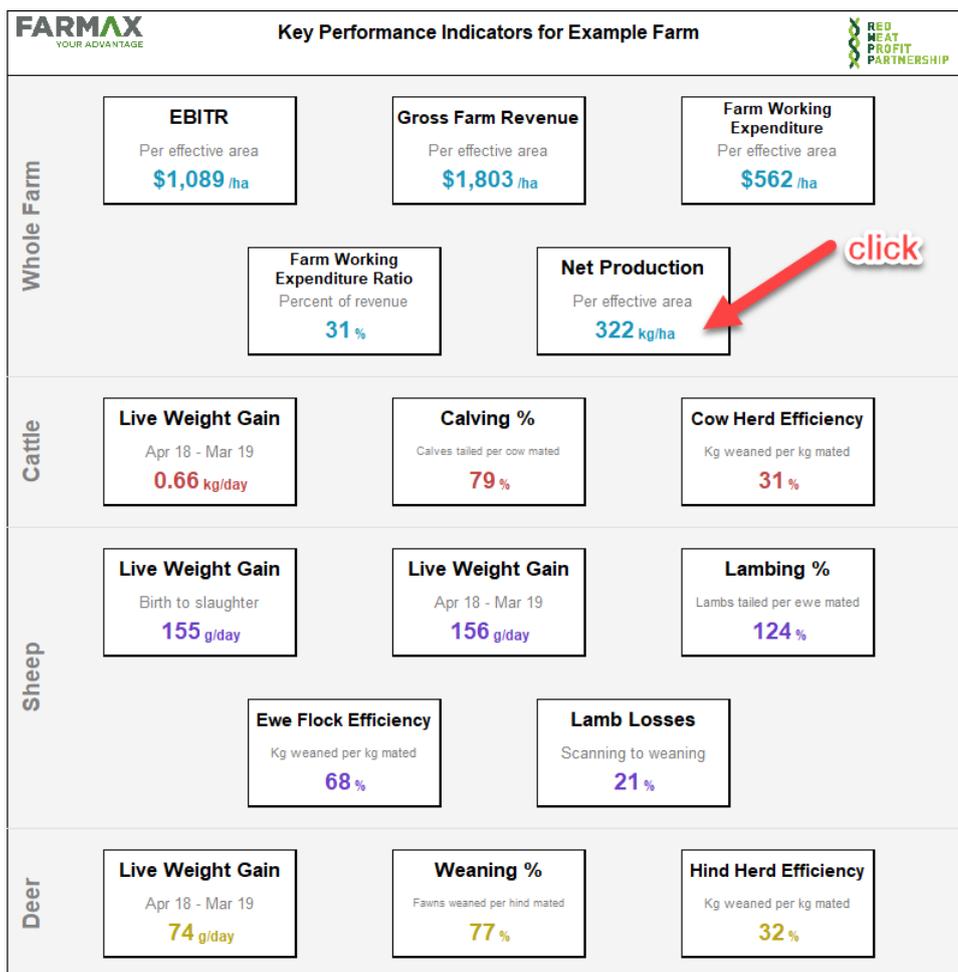


Figure 4: RMPP KPIs report

You can click on any KPI to see a breakdown of how the KPI has been calculated as well as links to relevant FARMAX reports and other resources such as the Beef + Lamb NZ Knowledge Hub.

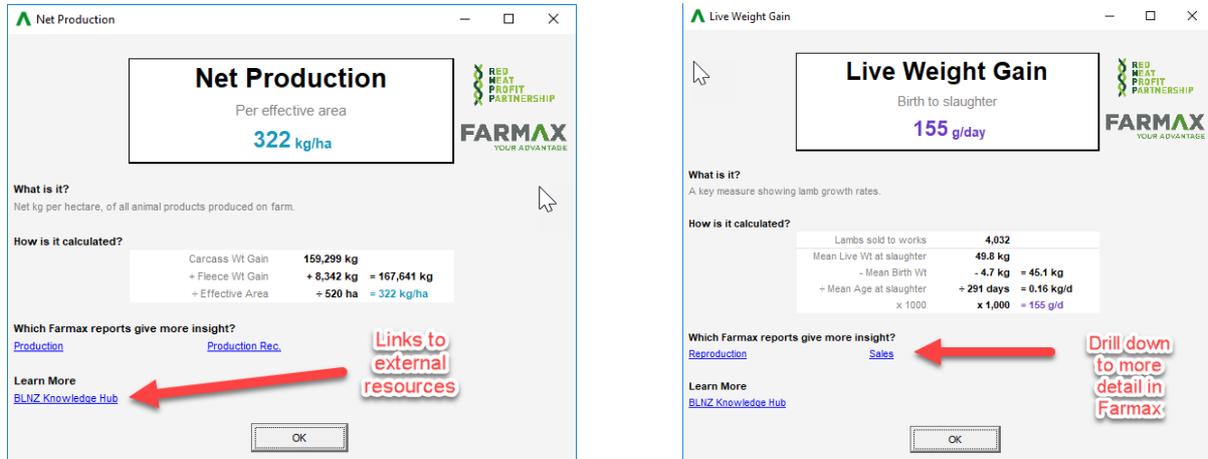


Figure 5 Net Production and Live Weight Gain tiles

## Production report

Available at Farm level, Enterprise Level and Mob Level

The Production report shows weight gain and loss over time for the selected production type, either: Live Weight, Carcass weight, Fleece Weight, Velvet Weight or Product Weight (Carcass + Fleece + Velvet)

You can view this information for the selected production type on either a **Total, Per Head, Per Ha** or **Per Grazing Ha** basis.

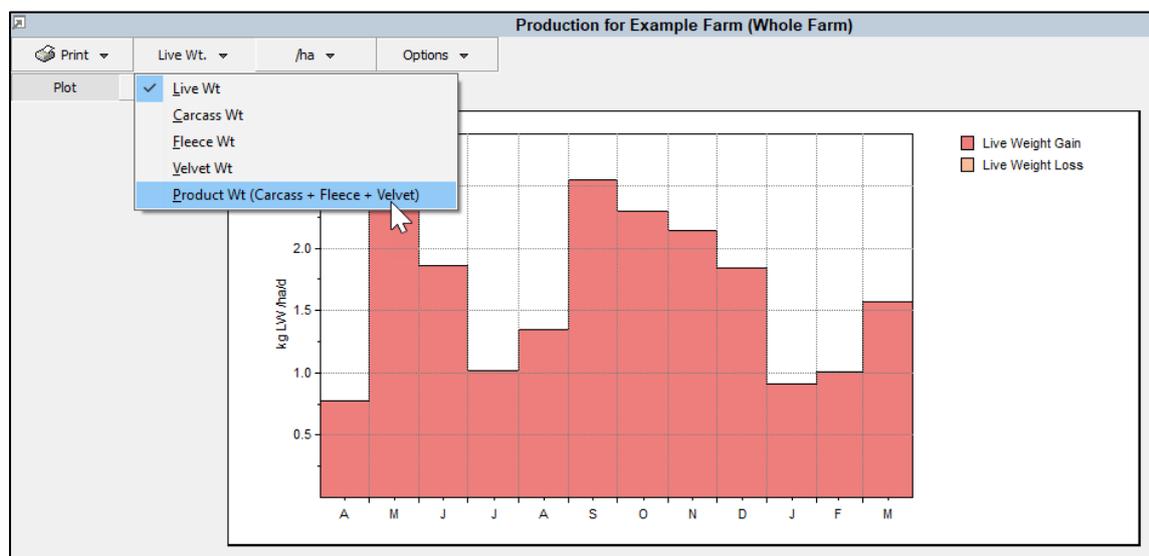


Figure 6: Production Report Plot displaying Product Wt. gain per hectare per day monthly.

Production for Example Farm (Whole Farm)

Print Live Wt. /ha Options

Plot Table

Month	Open kg/ha	In kg/ha/d	Out kg/ha/d	Close kg/ha	Gain kg/ha	Gain kg/ha/d
Apr 18	808.4	72.4	56.0	847.9	23.1	0.77
May 18	847.9	127.2	213.9	843.4	82.2	2.65
Jun 18	843.4	127.1	169.7	856.8	55.9	1.86
Jul 18	856.8	66.5		954.8	31.5	1.02
Aug 18	954.8		97.8	898.9	41.9	1.35
Sep 18	898.9		262.0	713.5	76.5	2.55
Oct 18	713.5	129.2	87.5	826.2	71.1	2.29
Nov 18	826.2	6.6	224.2	672.9	64.2	2.14
Dec 18	672.9	97.2	222.9	604.0	56.9	1.84
Jan 19	604.0	115.7		747.9	28.1	0.91
Feb 19	747.9	110.3	109.0	777.4	28.2	1.01
Mar 19	777.4	97.4	6.2	917.0	48.5	1.56
<b>Total</b>	<b>808.4</b>	<b>949.7</b>	<b>1,449.3</b>	<b>917.0</b>	<b>608.2</b>	<b>1.67</b>

Click Here

Figure 7: Production Report Table

The 'In' and 'Out' column headers can be expanded to see by what method weight comes in or out of the farm/enterprise/mob. E.g. purchases, sales, transfers, weaning etc

### Mob linkages Report

Available in Long Term Mode at Farm Level and Enterprise Level.

The Mob Linkages report is available in Long Term mode and is designed to show the flow of stock between mobs for the selected species through Ageing, Transfers, & Weaning.

This report can also be used to diagnose feedback loops which may be responsible for Unstable Mobs.

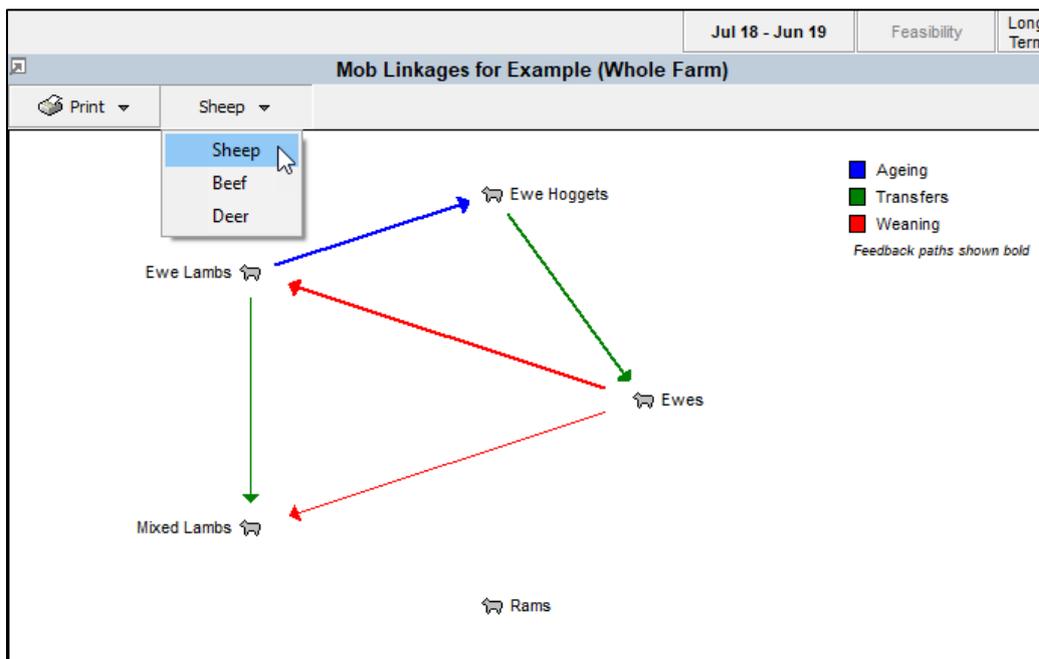


Figure 8: Mob Linkages Report displaying the linkages between sheep mobs

## Transactions report

Available at Farm level,

With the Transactions report, you can view a detailed list of all sales and purchases for the Farm. You can filter this report to show sales, purchases (including internal transactions) or deaths. This Farm level transactions report is in the same format as the Mob level Sales and Purchases report. This report is useful for seeing all species sales or purchases in one place. It's also useful for identifying transactions that have incorrect overrides. Eg. Lamb price entered as \$110/kg rather than \$110/head.

Sales for Example (Whole Farm)								
Date	Enterprise	Mob	Destination	Number	Weight kg	\$ per kg	\$ per hd	\$ Total
16 Nov 17	Stud	Ram Hoggets	Store	482	74.0 lw	10.80	800.00	385,600
28 Feb 18	Beef	Heifer Calves	Store	20	347.5 lw	3.08	1,069.49	21,390
31 Mar 18	Beef	Heifer Calves	Store	20	320 lw	3.21	1,029.37	20,587
31 Mar 18	Beef	Steer Calves	Store	20	350 lw	3.01	1,055.09	21,102
30 Apr 18	Beef	Heifer Calves	Store	20	302 lw	3.11	937.51	18,750
30 Apr 18	Beef	Steer Calves	Store	20	321 lw	2.88	925.20	18,504
31 May 18	Beef	Steer Calves	Store	20	302 lw	2.82	849.52	16,990
01 Jul 17	Sheep	Ewes	Works	145	25 cw	4.00	99.26	14,392
31 Jul 17	Sheep	Ewe Hoggets 16	Works	235	20.6 cw	6.56	135.06	31,740
31 Jul 17	Stud	Ram Hoggets	Works	85	30.5 cw	5.33	162.37	13,801
31 Aug 17	Stud	Ram Hoggets	Works	81	30.6 cw	5.50	168.56	13,654
30 Sep 17	Stud	Ram Hoggets	Works	85	31.1 cw	5.70	177.53	15,090
31 Oct 17	Stud	Ram Hoggets	Works	80	32.7 cw	5.84	191.02	15,282
16 Nov 17	Stud	Ram Hoggets	Works	200	27.5 cw	7.28	200.00	40,000
30 Nov 17	Sheep	Ewes	Works	200	24.0 cw	4.77	114.43	22,885
30 Nov 17	Sheep	Mixed Lambs 17	Works	237	18.0 cw	7.15	128.63	30,485
31 Dec 17	Sheep	Ewes	Works	400	23.3 cw	4.54	105.79	42,316
31 Dec 17	Sheep	Mixed Lambs 17	Works	1135	16.0 cw	6.90	110.40	125,306
31 Jan 18	Sheep	Ewes	Works	200	23.3 cw	4.40	102.56	20,512
31 Jan 18	Sheep	Mixed Lambs 17	Works	320	16.5 cw	6.68	110.29	35,294
28 Feb 18	Sheep	Ewes	Works	167	23.7 cw	4.55	108.04	18,042
28 Feb 18	Sheep	Mixed Lambs 17	Works	1284	18.0 cw	6.81	122.52	157,316
16 Mar 18	Stud	Ram Hoggets	Works	100	28.5 cw	2.81	80.00	8,000
16 Mar 18	Stud	Ram Lambs	Works	40	23.9 cw	20.92	500.00	20,000
31 Mar 18	Sheep	Mixed Lambs 17	Works	900	18.0 cw	6.94	124.86	112,374
30 Apr 18	Sheep	Mixed Lambs 17	Works	500	18.0 cw	7.07	127.20	63,600
31 May 18	Sheep	Mixed Lambs 17	Works	542	18.0 cw	7.26	130.75	70,864
16 Jun 18	Sheep	Ewes	Works	145	24.5 cw	4.79	117.51	17,038
16 Nov 17	Stud	Ram Hoggets	Sheep: Rams	14	66.6 lw	5.31	353.70	4,952
25 Nov 17	Sheep	Mixed Lambs 17	Stud: Ram Lambs	1180	31.5 lw	3.26	102.71	121,193
[15 Dec 17]	Total Store			602	123.8 lw	6.75	835.42	502,924
[02 Feb 18]	Total Works			7081	19.8 cw	6.34	125.40	887,992
[24 Nov 17]	Total Internal			1194	31.9 lw	3.31	105.65	126,145
[21 Jan 18]	Total All Sales			8877			170.90	1,517,061

(lw = Live Weight; cw = Carcass Weight)

Figure 9: Farm Level Transactions report

## Systems Report

Available at Farm Level

Systems is a new feature of the Farm Level Gross Margin report, it allows users to link one or more mobs for gross margin reporting purposes. Eg. View a combined gross margin report for all lamb mobs. You also have the option of including an area for a defined system for per/ha gross margin figure.

To create a system, select the 'System' drop down from the Gross Margin report toolbar and select 'Edit Systems' On this page you can name your system e.g '17 Born Lambs' and add each mob, by first selecting the enterprise it belongs to. You can specify an area to include per ha reporting or leave this blank.

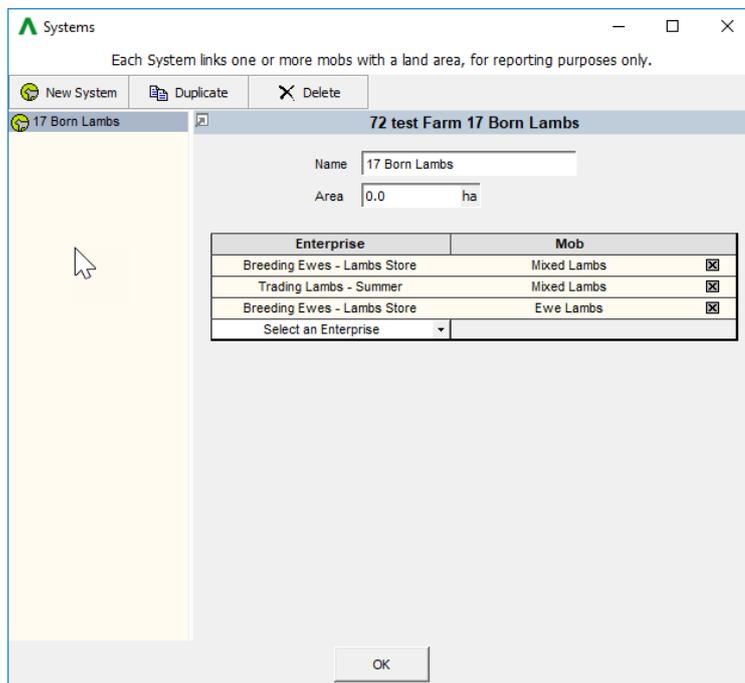


Figure 10: Systems Report, defining '17 born lambs' system.

The gross Margin report will now report your selected System.

			\$/ha	\$ Total	c/kg DM
Revenue	Sheep	Sales - Purchases		80,767	
		Internal Sales - Purchases		-32,928	
		Wool		7,685	
		Capital Value Change		32,700	
		<b>Total Sheep</b>		<b>88,203</b>	<b>36.2</b>
<b>Total Revenue</b>			<b>88,203</b>	<b>36.2</b>	
Expenses	Stock Costs	Animal Health		1,419	
		Shearing		7,131	
		<b>Total Stock Costs</b>		<b>8,549</b>	
		Interest on Capital (livestock & feed)		3,360	
<b>Total Variable Expenses</b>			<b>11,909</b>	<b>4.9</b>	
<b>Gross Margin</b>			<b>76,294</b>	<b>31.3</b>	

Figure 11: Systems Report- displaying Gross Margin for the '17 Born Lambs' system

Systems will be remembered in the file and previously created systems can be edited by selecting 'edit systems' from the drop down on the toolbar.

## Mob sizes report

Available at the Farm Level

The Mob sizes report gives you a visual representation of the number of animals in a mob throughout the season, relative to the peak number. The mobs are grouped by Enterprise. You can click on any mob to display the mob's numbers screen. Off farm mobs will be shaded.

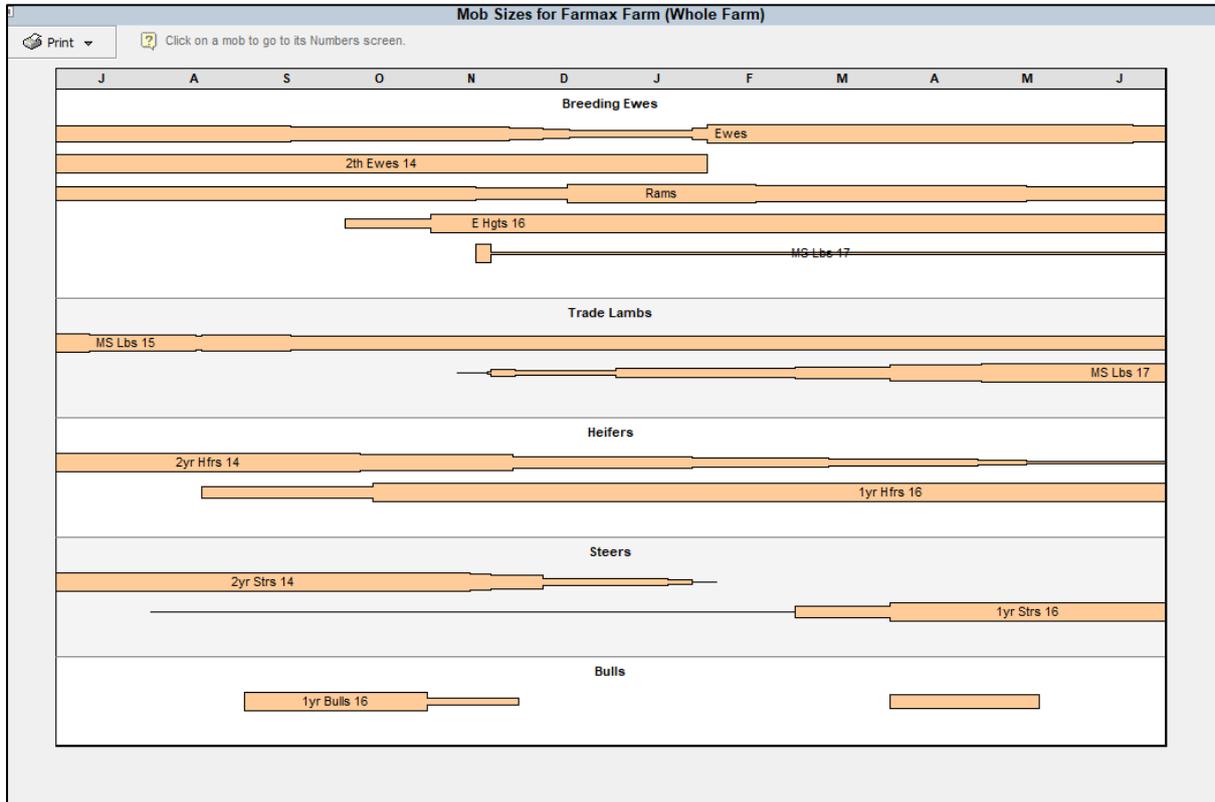


Figure 12: Mob Sizes Report

## Other Improvements

### Block area interface

You can now easily update the area of all blocks within a file, in one place. The new Edit Block Area interface will display when you; add a new block, scale a block or when you edit the area of an existing block in the block's properties screen. You will be required to confirm the area of all blocks.

Remember the total area of the Farm is defined when creating the subscription, if you need the total area updated, contact the Farmmax helpdesk.

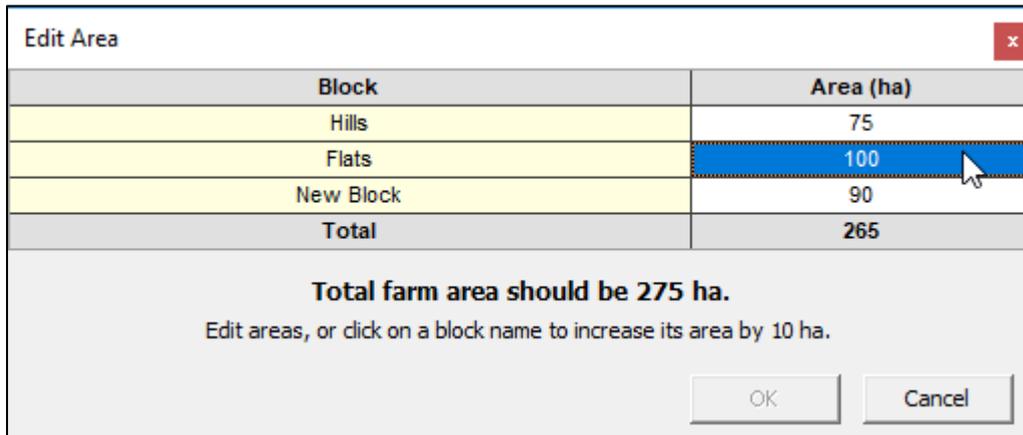


Figure 13: Edit area of blocks.

### Offline messaging

When in offline mode, you will now see an orange banner across the top of the Farmmax toolbar, saying 'Offline'. Note: while offline, the Farmmax application will stop trying to connect with the Farmmax cloud servers.



Figure 14: Offline indicator on toolbar

If you edit any files in offline mode, you will now get a message at the end of your session noting how many files have been edited and reminding you that these will not be synced with the Farmmax cloud servers until the next online session. To sync with the Farmmax cloud servers directly after an offline session, connect to the internet and re-launch FARMAX.

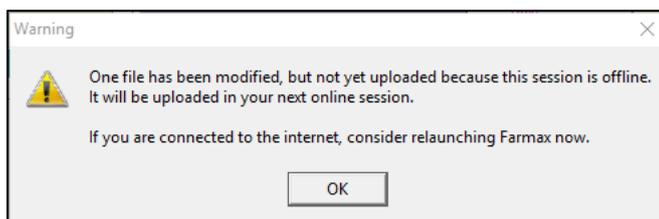


Figure 15: Offline Warning when closing Farmax

## Printing reports

You can now edit the title of any report for printing/copying purposes. You can do this by selecting Edit Title from the 'Print' drop down menu.

Renaming does not persist beyond the current Farmax session. The feature is available on any pages that have a Print menu.

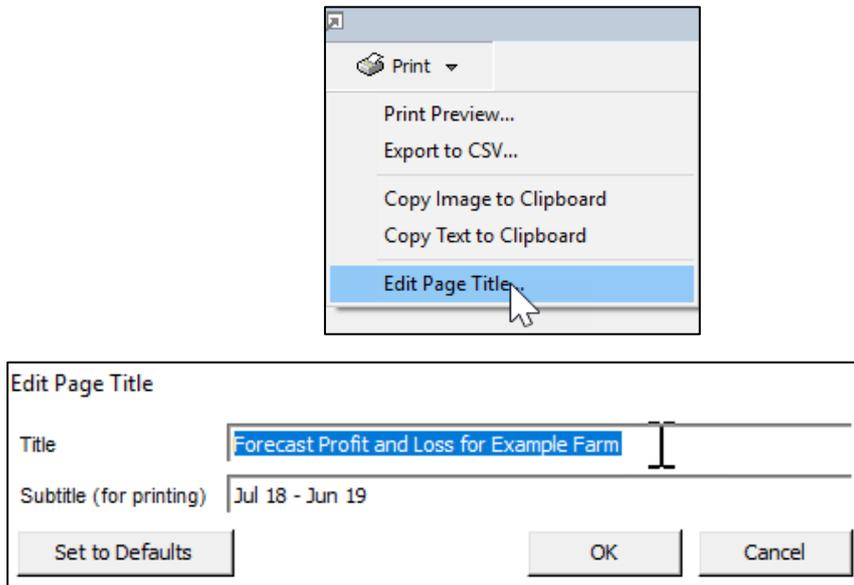


Figure 16: selection option to edit report title and entering new report title

All reports extracted from Farmax, now have the Farmax version number included in the printout.

The image shows a printed report header. On the left, the Farmax logo is displayed with the version number 'SBD7.2.1.69' highlighted by a red box. On the right, the report title 'Forecast Profit and Loss' and the period 'Jul 18 - Jun 19' are shown. Below the header, a table is partially visible with columns for 'Sheep' and 'Wool'.

Forecast Profit and Loss		Jul 18 - Jun 19	
	Sheep	Sales - Purchases	
		Wool	

Figure 17: Version Number on printed reports

## Edit gestation length

We have added a new feature to allow users to model shorter gestation stock and shorter mating periods. Editing gestation length means editing the time between mating date and mean lambing/calving date.

To edit the gestation length, click on the ellipsis next to the lambing/calving/fawning date.

	Model	Override	Actual
<b>Mating</b>	20 Feb 17	Sire Breed Romney	
Body Wt.	65.0 kg	Scan Index 2.58	2.54
<input type="checkbox"/> Scanned		Preg. % 167 %	165
Mated Ewes	2780	Lambs 4654	4587
<b>Lambing (mid)</b>	18 Aug 17	Losses to Tailing 25.8 %	%
Tailing	18 Sep 17	<b>Edit Gestation Length</b>	%
Mated Ewes	2685	Lambs 3276	
<b>Weaning</b>	16 Nov 17	Losses to Weaning 4.8 %	%
Age	90 days	Weaning % 116 %	%
Mated Ewes	2685	Lambs 3115	
		Lamb Weight 30.2 kg	
Ewe Lambs into	MS Lbs 17		
Ram Lambs into	MS Lbs 17		

Figure 18: Edit Gestation Length ellipsis on Mating Screen

Edit Gestation Length

Gestation Length  days From start mating to start lambing

Half Lambing Spread  days From start lambing to mid lambing

Figure 19: Edit gestation days

You can also choose to edit the lambing/calving spread. This has the same effect as editing the days between mating and mid lambing/calving. FARMAX does not model spread, in such that calves and lambs all drop on one day (mid lambing/calving) and the demand for lactation increases for the whole mob on that day. If your mob has a shorter mating period but a normal gestation length, you may choose to edit the spread field instead of the gestation field, for record keeping purposes.

### Weight gain contracts

The Weight Gain contracts in Farmax work on a dollar per kg live of weight gain basis. Revenue is paid monthly and can be viewed in the grazing mobs Contract report on at the farm level Cash Forecast report.

The newly modified weight gain contract includes some new options. In the contract database, where you set up contracts, you can now specify if negative gain should be included and therefore generate a negative revenue. You can now also exclude offspring weight from the contract, which is useful for those modelling hogget grazing, and prevents the weaning weight of lambs from contributing to LWG

Grazing Fee (all stock classes)	
\$/kg LWG	2.00
Exclude offspring at foot	<input checked="" type="checkbox"/>
Exclude weight loss months	<input type="checkbox"/>

Figure 20: Weight Gain contract options

### Stock Reconciliation report (pre-wean numbers)

The Stock Rec report has been modified to now only show pre-wean offspring numbers by selection. The default view will now only show offspring numbers as they are weaned. The exception to this is if there are pre-wean sales, in which case the pre- wean row will show by default.

Stock Reconciliation for Example (Whole Farm)												
Print		Options										
Reconciliation		<input checked="" type="checkbox"/> Include Initial Ageing <input checked="" type="checkbox"/> Include Off-Farm Mobs <input checked="" type="checkbox"/> Include Pre-Weaned Stock										
(end of month)	17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18		
Ewe Lamb				1600	1600	1600	1600	1600	1600	1600	1600	
Ewe Hogget	1435	1435	1435	1371	1371							
Ewe	3975	3970	3941	3941	3736	4702	4497	4325	4320	4315	4310	4160
Ram Lamb				1180	1177	1174	1171	1128	1128	1128	1128	
Ram Hogget	1042	961	876	796	100	100	100	100				
Ram	69	68	66	64	80	78	77	75	73	72	71	70
Mixed Lamb				4128	2983	3266	1972	1062	552			
<b>Total Sheep</b>	<b>6521</b>	<b>6434</b>	<b>6318</b>	<b>6172</b>	<b>12195</b>	<b>10640</b>	<b>10714</b>	<b>9243</b>	<b>8183</b>	<b>7667</b>	<b>7109</b>	<b>6958</b>
Heifer Calf				36	36	36	16				50	50
1-Year Heifer	50	50	50	50	50	50	50	150	150			
Cow	457	237	237	237	221	221	221	221	100	230	230	230
Bull	2	2	2	2	2	2	2	2	2	2	2	2
1-Year Steer				36	36	36	36	36	36	36	36	36
<b>Total Beef</b>	<b>509</b>	<b>289</b>	<b>289</b>	<b>289</b>	<b>345</b>	<b>345</b>	<b>345</b>	<b>325</b>	<b>288</b>	<b>418</b>	<b>318</b>	<b>318</b>

Figure 21: Stock Reconciliation with pre-wean lambs excluded (default)

## Transfer Out events

The Transfer Out event panel now has a different way of selecting a destination mob, including the option to create an identical mob.

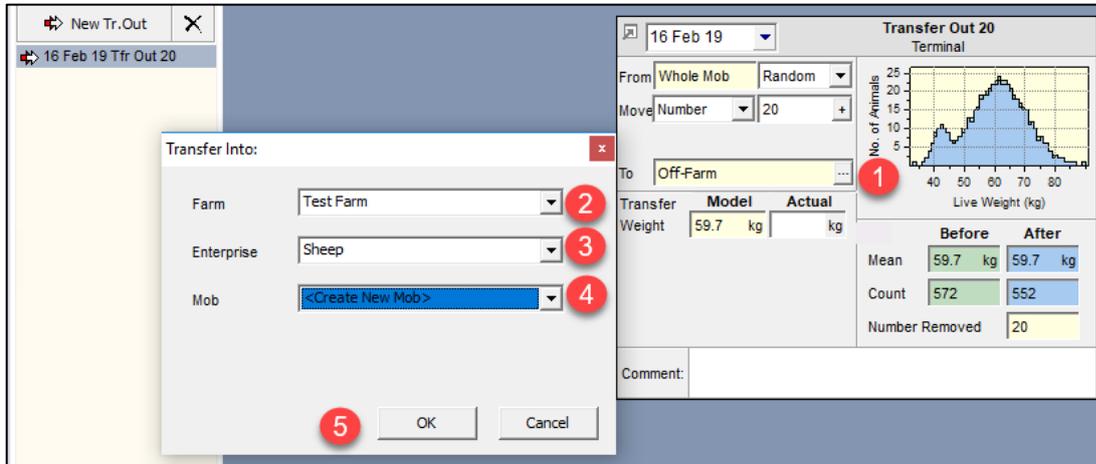


Figure 22: Setting up a transfer out event



1. Select ellipsis next to the 'To' field
2. If animals are transferring to a different Farm, select that from drop down, or leave as default (same farm)
3. Select Enterprise animals are moving to, or leave as default (same enterprise)
4. If the destination mob already exists, select it from the drop down. Alternatively, selecting <Create New Mob> will create a new mob that has the same properties as the mob the animals are moving from.
5. Select OK