

Farmlets User Notes

Contents

- What are Farmlets?..... 2
 - How can Farmlets benefit you? 2
- Setting Up Your Farmlets 3
 - Whole Farm and Farmlet Views..... 4
 - To Move to Farmlet View..... 4
- Create your next Farmlet 5
 - Assigning Blocks and Stock to Farmlets 6
- Moving stock between Farmlets..... 7
 - Farmlet Transfer..... 7
 - Transfer Out 8
- Reporting 9
 - Farmlet Reporting 9
 - Compare Farmlets..... 9
- How do Enterprises work with Farmlets? 10
- Supplements 11
 - Supplement Expenses 12
- Entering Covers 13
 - Cover Measurements..... 14

What are Farmlets?

A Farmlet groups together one or more blocks of land and one or more mobs, forming a system within your greater farm business. Each Farmlet has its own feed budget and each block on your farm has its own pasture curve, separately modelled by the FARMAX Engine.

At the whole farm level, everything works the way you are used to.

How can Farmlets benefit you?

If you are currently using multiple Farmmax Farms to monitor multiple blocks within your business. Farmlets allows you to manage these within one file. You can organise your Farm in a way that is more aligned with the way you collect data. This lets you assess how each component of the farm system is contributing to the performance of the business.

With Farmlets, you can compare and analyse the separate parts of your farm in much greater detail.

You can also use Farmlets to create a more accurate feed budget and determine the best feed supply fit for enterprises or groups of mobs.

You still have the Whole Farm View to look at the Whole Farm system. Here you can have all your mobs associated with one enterprise in one place, making external reporting and margin assessments easier.



Figure 1: Farmlets in the Farmmax Tree

Setting Up Your Farmlets

To use the Farmlets feature, you must have a Farmmax Advantage subscription.

Tip: If you're not sure what subscription type you have, you can check the Product field in the properties screen of any file.

File Name	Monitoring
	<input checked="" type="checkbox"/> This is a real farm.
Location	
Region	Lower North Island
District	Central Hawke's Bay
Farm Class	NI Intensive Finishing
Calendar	
Start Month	July
Start Year	2018
Current Month	May 18
Product	Advantage
	<input checked="" type="checkbox"/> Include in Compare Reports

Figure 2: Farm Properties Screen, Subscription Product field

Whole Farm and Farmlet Views

Farmax now supports two views of a farm within a single file; the **Whole Farm view** and the **Farmlet view**.

To Move to Farmlet View

1. Right click at the top/farm node of the Farmmax Tree.

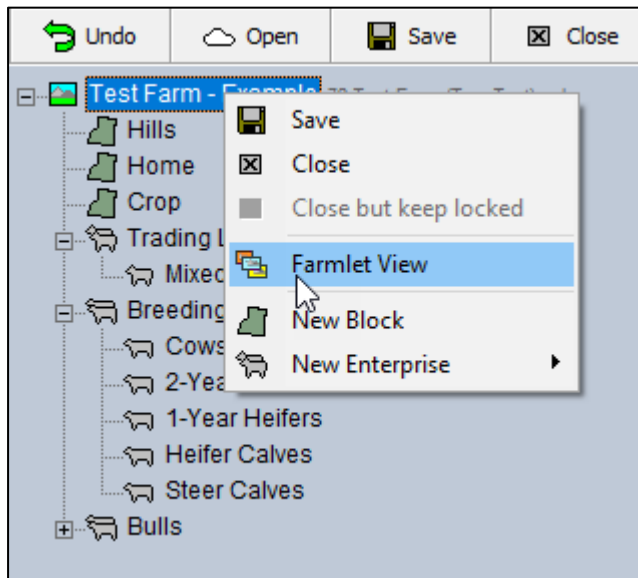


Figure 3: Move to Farmlet View

Tip. For quick navigation to Farmlet view, you can double click at the top/farm node of the Farmmax Tree.

2. Select Farmlet View.
3. You will now have a new node in the tree view; 'Farmlet 1'. All your existing Blocks and Enterprises will be contained in Farmlet 1.

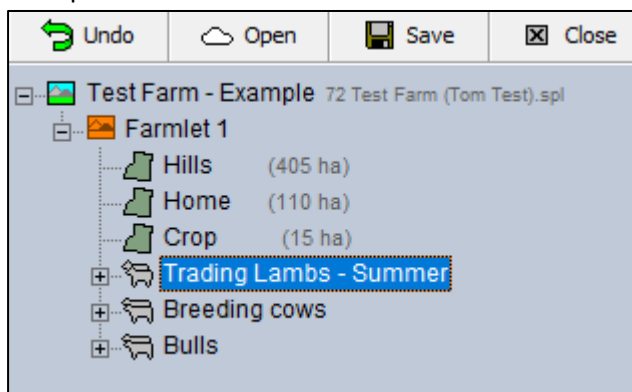


Figure 4: Farmlet View Initial state

You can move back to Whole Farm View by repeating these steps. Whole Farm view is much the same as the previous versions of Farmax. Use Whole Farm View when you want to look at your blocks and enterprises as a whole, rather than spread across multiple Farmlets.

Create your next Farmlet

To add more Farmlets, right click at the top/farm node of the tree and select New Farmlet.

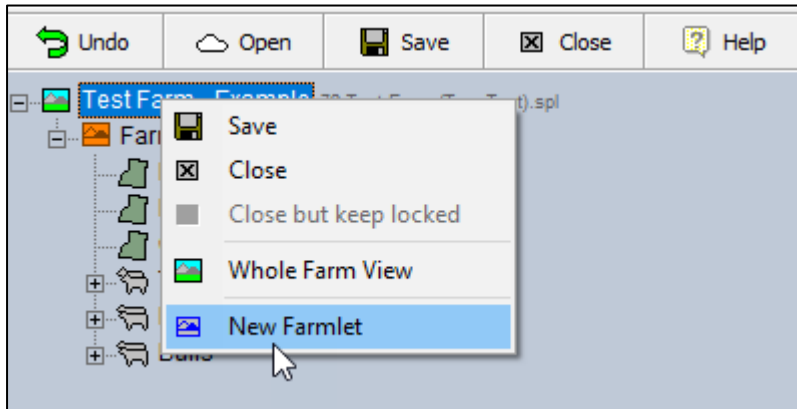


Figure 5: Add new Farmlet

You can rename a Farmlet by going to the Properties page for that Farmlet.



Figure 6: Farmlet Properties

Each farmlet is given a bright colour, which can also be changed in the Farmlet Properties. These colours are used in reporting and editing to help you see which farmlet you are working with.

			Jul 17 - Jun 18	Feasibility	Short Term
Gross Margin for Example (Farmlet 1)					
Print		Systems			
Revenue	Sheep	Sales - Purchases	\$/ha	\$ Total	c/kg DM
		Wool	162	594,485	
		Capital Value Change	164	604,623	
		Total Sheep	-2	-7,140	19.7
	Crop & Feed	Cash Crops	324	1,191,968	
		Capital Value Change	405	1,491,200	
Total Feed		757	2,785,754	23.6	
Total Revenue		1,081	3,977,722	33.7	
Conservation		7	25,090		

Figure 7: Farmlet reports indicated by Farmlet colour

Assigning Blocks and Stock to Farmlets

- Mobs are assigned to Farmlets for the start of the season and can be transferred between Farmlets throughout the season using Farmlet Transfer events. An Enterprise (e.g. Bulls) will appear in every Farmlet that at least one of its mobs are assigned to.

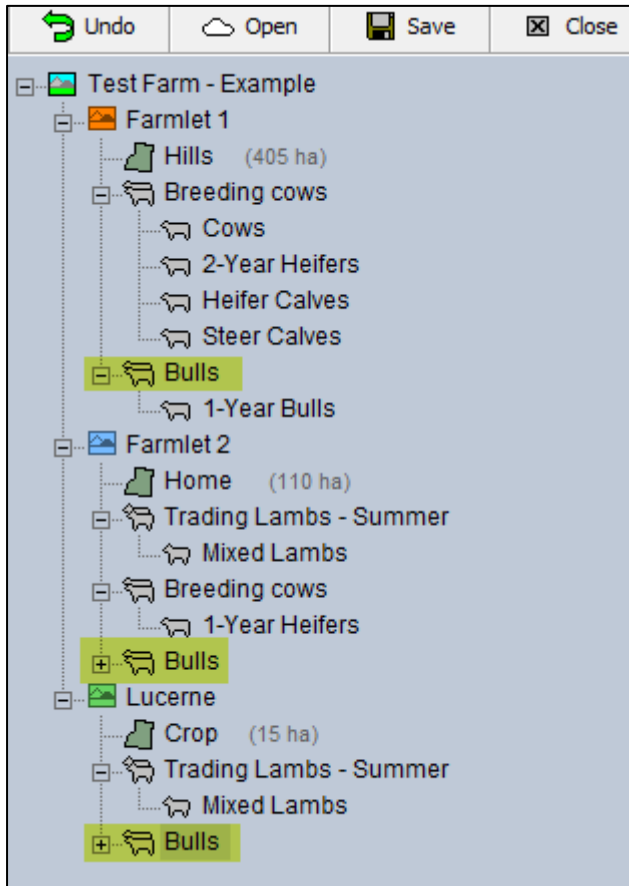


Figure 8: The same Enterprise can appear in multiple Farmlets

- Blocks are assigned to a farmlet for the whole season.
- To move a block to a different farmlet, drag it to that farmlet in the tree view. You can create new blocks by right-clicking at any Farmlet node and selecting New Block. *The same block cannot exist in multiple farmlets.*
- You can also assign stock by dragging and dropping between Farmlets. You can move a whole enterprise or individual mobs. If mobs of the same enterprise are in different Farmlets, the enterprise node will appear in each Farmlet.
- Dragging and dropping blocks, enterprises and mobs between Farmlets effectively sets up the opening state of the file. Doing this will change the results for the whole season.

Moving stock between Farmlets

Farmlet Transfer

A mob can move between farmlets over the course of the season. This is done with a new event type called Farmlet Transfer. Use this when you want to move a whole mob from one farmlet to another on a specified date.

The Farmlet Transfer and Transfer out (described below) are both available via the Numbers screen, in the Transfer Out column. Or in the Events screen for a mob.

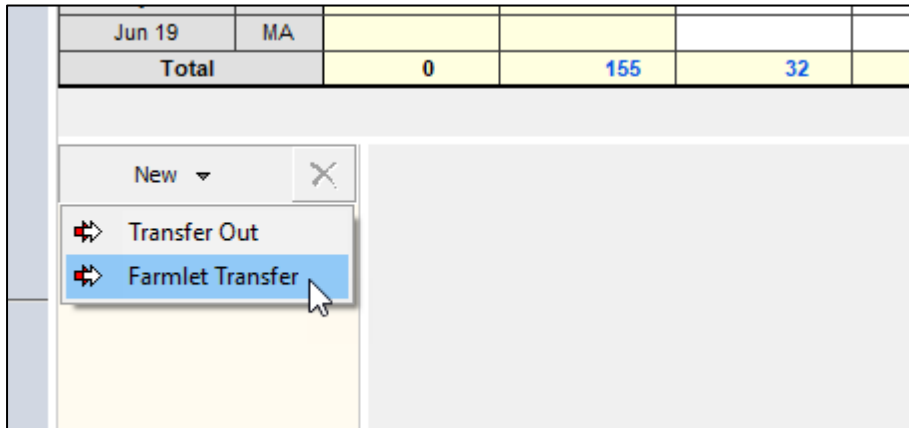


Figure 9: Creating a Farmlet Transfer via the mob's Numbers screen

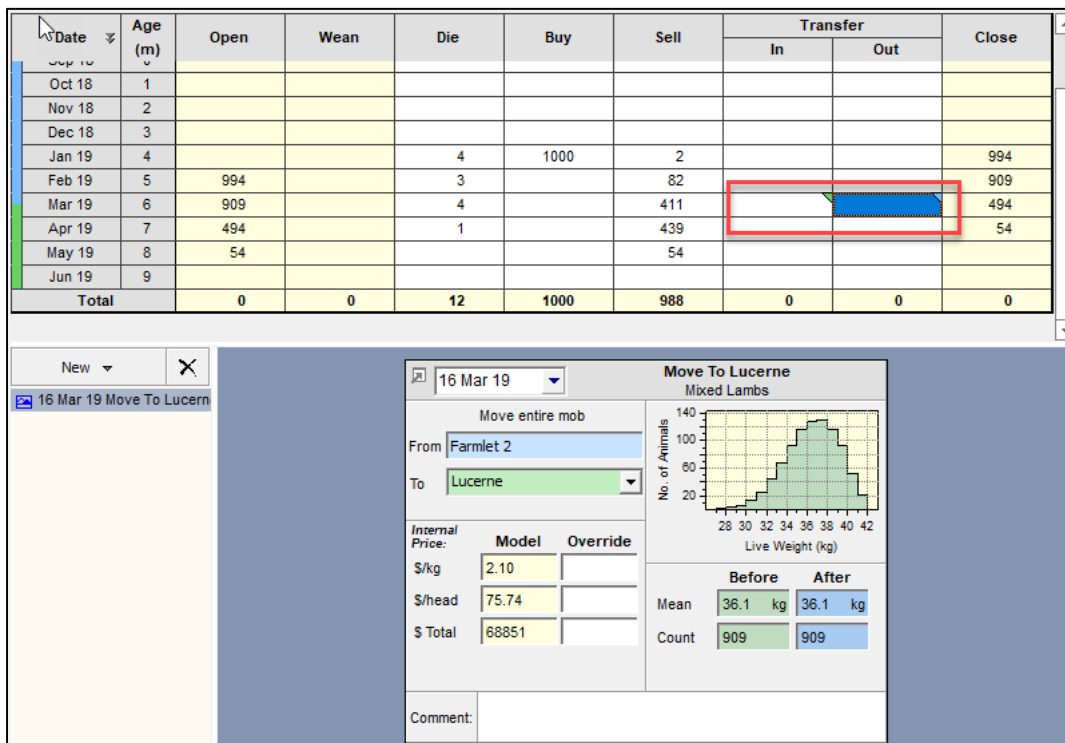


Figure 10: Creating a Farmlet Transfer

Coloured triangles in the transfer columns of the mob Numbers screen provide a hint that Farmlet Move events are contained within that period.

Transfer Out

The second way to move animals into another Farmlet is a Transfer Out. Use this if you want to move only part of the mob into another Farmlet. A transfer out event drafts animals into another mob.

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

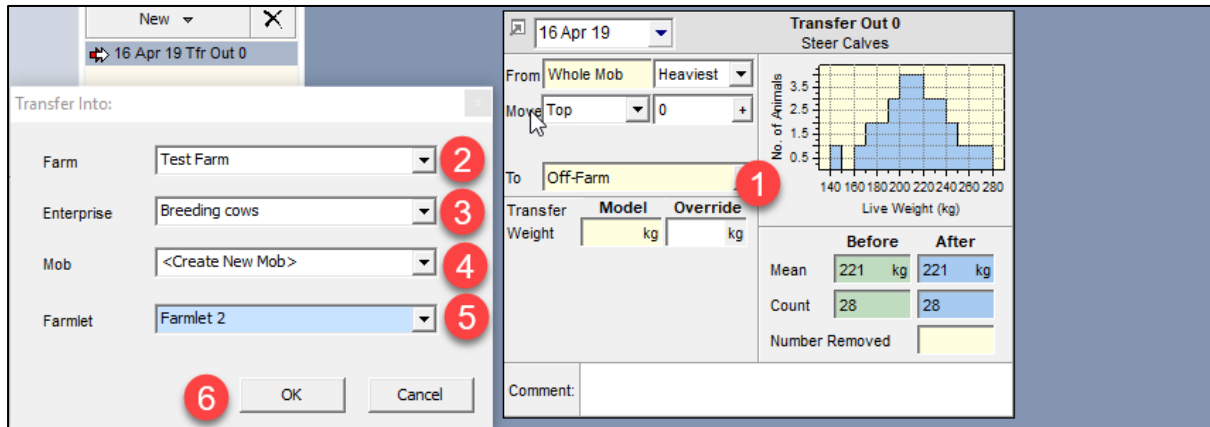



Figure 11: Creating a Transfer out Event

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

Reporting

Each Block is separately modelled by the Farmmax Engine.

Your whole farm views and reports still work exactly as they used to

Farmlet Reporting

When using Farmlet View, most reports have their title bar coloured according to the selected Farmlet.

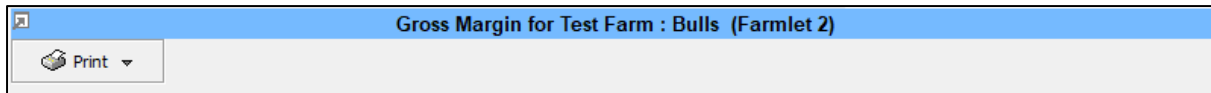


Figure 12: Example of Farmlet Report, using colour to indicate Farmlet

A few reports (e.g. Reproduction), and all input screens (e.g. mob Numbers) are always in whole farm view. This is made evident by the grey title bar.

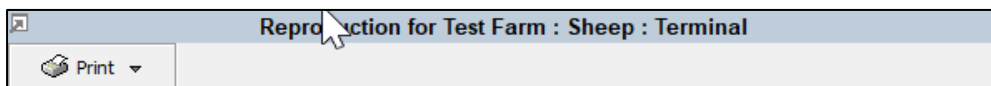


Figure 13: Reports that are in whole Farm use grey toolbars

Compare Farmlets

In Farmlet View, a set of Compare Farmlet reports is available, similar to the existing Compare Farms reports. These reports allow you to see how each Farmlet is performing relative to the rest.

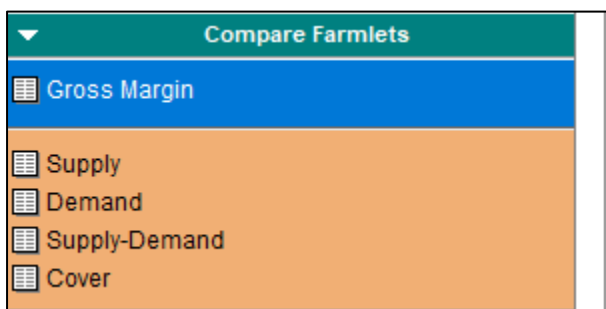


Figure 14: Compare Farmlet reports

The Compare Farmlet Reports use the farmlet colours for plot lines and columns. If the Farm has more than two Farmlets, you can use the tick boxes at the top of each column to remove or add each Farmlet, to assess how each component is contributing to the overall performance of the business.

			Farmlet 1	Farmlet 2	Lucerne	Total
			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Revenue	Sheep	Sales - Purchases	0	-55,252	67,888	12,637
		Internal Sales - Purchases	0	68,851	-68,851	0
		Wool	0	3,258	0	3,258
		Total Sheep	0	16,857	-963	15,895
	Beef	Sales - Purchases	249,337	6,206	-144,636	110,907
		Internal Sales - Purchases	16,158	-167,380	151,222	0
		Capital Value Change	-177,779	277,810	0	100,031
		Total Beef	87,716	116,635	6,586	210,938
	Crop & Feed	Capital Value Change	50,132	4,026	0	54,158
		Total Feed	50,132	4,026	0	54,158
Total Revenue			137,848	137,519	5,623	280,990
Expenses	Crop & Feed	Conservation	21,014	2,093	0	23,107
		Total Crop & Feed	21,014	2,093	0	23,107
	Stock Costs	Animal Health	2,111	1,017	256	3,385
		Shearing	0	3,237	0	3,237
		Total Stock Costs	2,111	4,254	256	6,622
	Interest on Capital (livestock & feed)		15,651	4,346	769	20,766
Total Variable Expenses			38,777	10,693	1,025	50,495
Gross Margin			99,072	126,826	4,598	230,496
Gross Margin per ha			187	239	9	435

Figure 15: Example of a Compare Farmlet Gross Margin report

How do Enterprises work with Farmlets?

Enterprises (eg Trading Lambs) can exist both within an individual farmlet and across multiple Farmlets.

In Farmlet view, Enterprise reports are calculated based on the mobs that belong to that Enterprise when they are present in that Farmlet.

In Whole Farm view, Enterprise reports calculate based on all mobs in the enterprise, regardless of Farmlet assignment.

You can be sure you are looking at a Farmlet report by the colour in the title bar of a report, and because the Farmlet Name will be in the title.

Supplements

Supplements are reconciled at the **whole Farm level**, such that a Farmlet does not own a feed or a crop.

Each farmlet has its own supplement screen, where supplements can be fed to the Farmlet. A supplement fed to the Farmlet is fed to all stock located in the Farmlet during the period the feeding is entered for.

Supplements fed at the whole Farm level are fed to all animals on the farm during the period the feeding is entered for. In both cases, the supplement is divided between stock proportional to demand.

Supplements for Test Farm (Farmlet 2)		
Date	Baleage big bales	Select a Feed
Jul 18	40.0	
Aug 18	40.0	
Sep 18		
Oct 18		
Nov 18		
Dec 18		
Jan 19		
Feb 19		
Mar 19		
Apr 19		
May 19		
Jun 19		
Total	80.0	

Figure 16: Farmlet supplement input screen

In Farmlet view, supplements fed at the Farmlet level show up in the **farm level** supplement reconciliation in the '**fed to Farmlets**' column.

Supplements for Test Farm

Inventory | Percent of Demand | Financial

New Supplement | Delete

Baleage

Test Farm Baleage

Print | big bales | Clear

Date	Baleage (big bales)						Close
	Open	Buy	Prod.	Sell	Fed to Farmlets	Feed	
Jul 18	80.0				40.0		40.0
Aug 18	40.0				40.0		0.0
Sep 18	0.0						0.0
Oct 18	0.0						0.0
Nov 18	0.0		722				722
Dec 18	722						722
Jan 19	722						722
Feb 19	722						722
Mar 19	722						722
Apr 19	722						722
May 19	722						722
Jun 19	722						722
Total	80.0	0	722	0	80.0	0	722

Figure 17: Record of supplements fed to Farmlets in whole Farm Supplements screen

Supplement Expenses

Supplement expense, being the cost of establishing and harvesting crops or the cost of purchasing feed, is divided between all Farmlets in proportion to animal demand. Irrespective of which Farmlet crops are established on or the farmlet supplement are fed to. This expense can be viewed in the Farmlet Gross Margin Report.

Entering Covers

Covers can be entered as a whole farm average or as a block average.

The Farm-level Pasture Covers screen (formally called Pastures) has been modified to allow for block covers to be entered, as well as the conventional whole farm average.

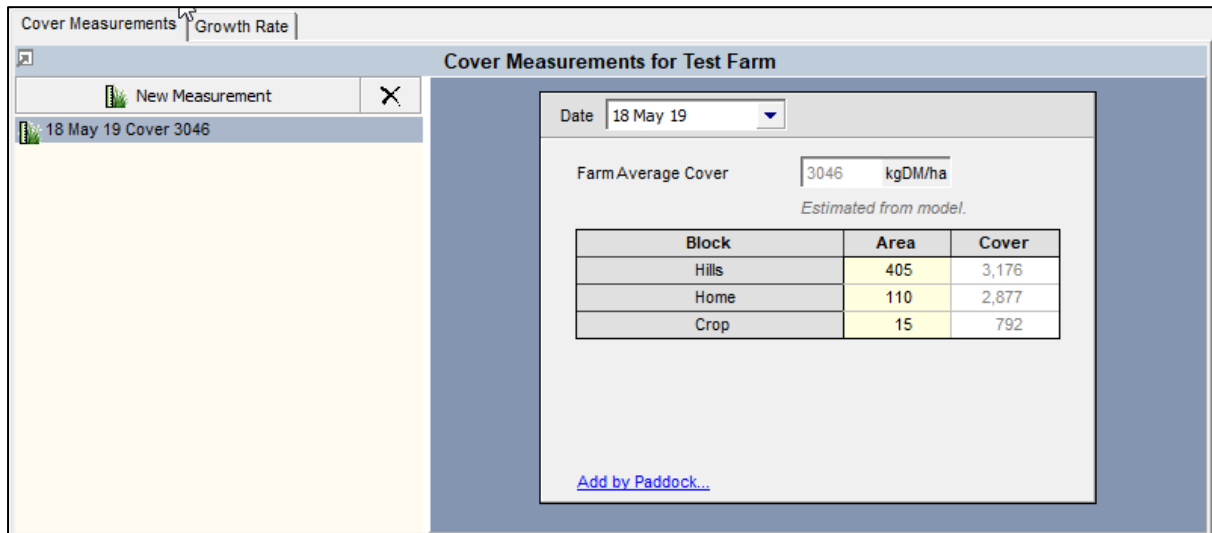


Figure 18: Farm Level covers screen - option to add covers by Block average or Whole Farm average

There is a Pasture Covers screen for each block, that reports cover and growth rates, and has an interface for entering covers (for that block only).

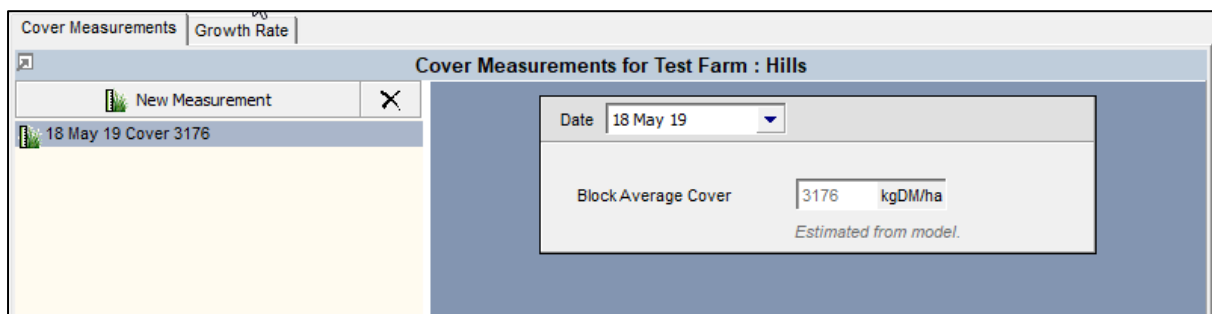


Figure 19: Block Level Pastures screen

Use the Farm Level Pasture Covers screen if all your block were measured on the same date. Use the Block level screen if you want to add block measurements on different dates

Cover Measurements

If you enter a farm average cover, the block covers are scaled to match it.

If you enter one or more block covers, the farm average is calculated as the weighted mean of the blocks and cannot be edited.

Estimated/derived covers display with grey dots. Actual covers display with Blue dots.

In the graphs on the Pasture Cover screen, entered covers are shown as blue dots, estimated or computed covers are shown as grey dots.

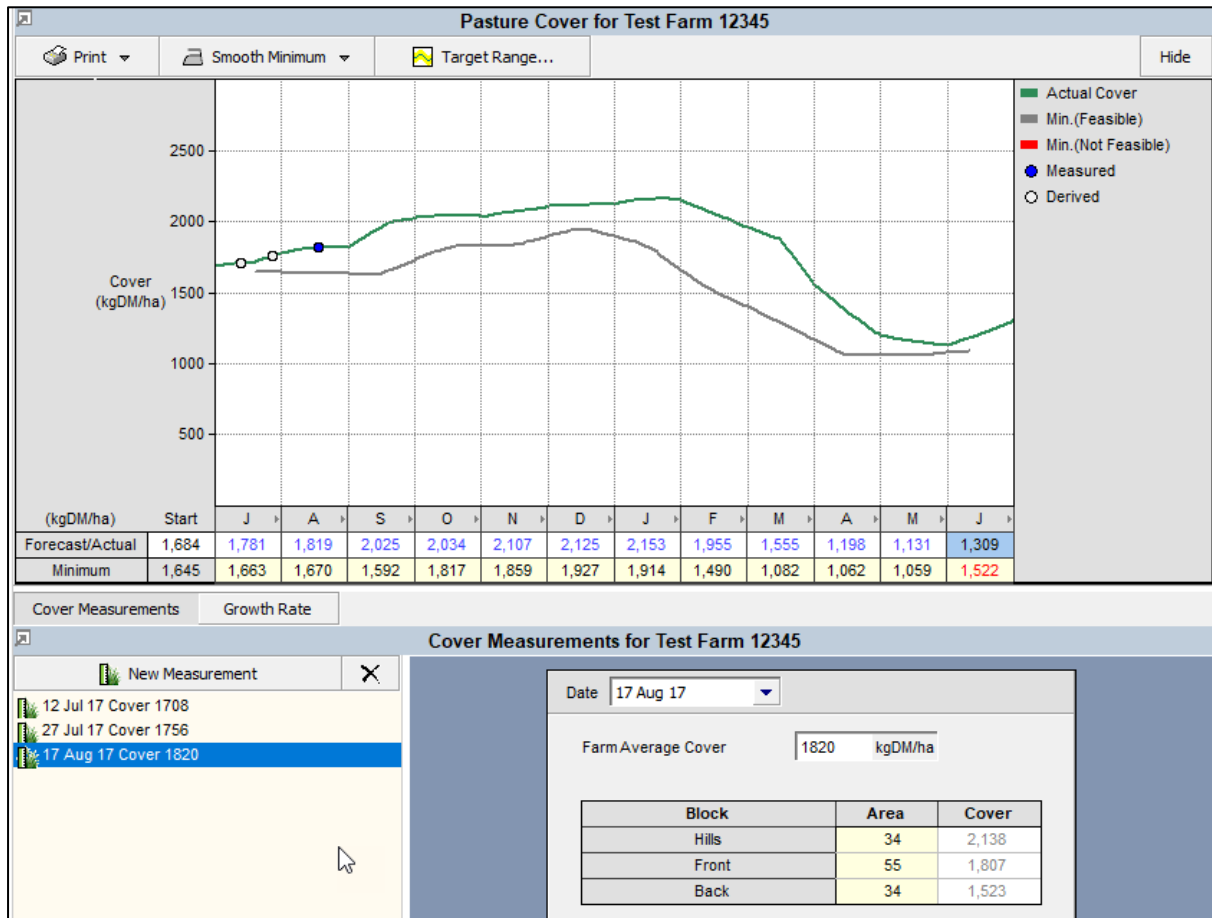


Figure 20: Whole Farm Cover.

If you have any further questions about Farmlets, contact the Farmax Helpdesk.

Support@farmax.co.nz or 0800 FARMAX (327 629)