

CREATING A FARM

CLOUD WINDOW

FARMAX Cloud is the first screen which opens when starting FARMAX. This is where you will create farms and new files.

TO CREATE A FARM

1. Select 'New Farm' and enter your:
 - Farm name
 - Region
 - District
 - Effective Area
2. Select 'Create Farm'
3. Select 'Yes'

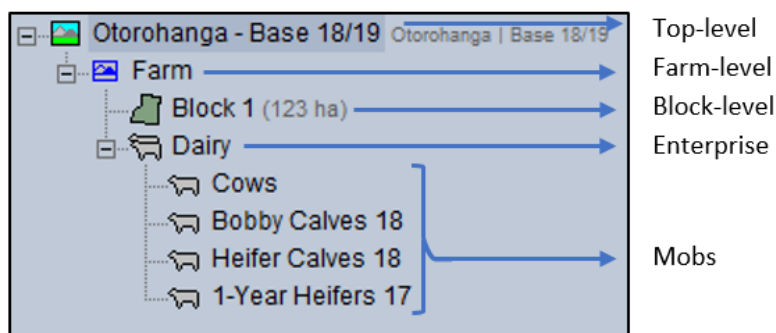
TO CREATE A FILE

1. Select 'Scenarios' in the second panel.
2. Select 'File' in the third panel.
3. Select 'New File'
 - a. Name the file 'Base X/X' (current season)
 - b. Select OK.

You have now created a farm and a file, select 'Open'.

TREE-VIEW

The tree view is the first panel you see when in the Farmax application.



LAND

PROPERTIES

The Properties screen at the top level of the tree view (first panel) is where you can adjust some features of the farm. The information in yellow will have to be changed by contacting the HelpDesk.

1. Adjust the 'Terrain' in the drop-down menu in the third panel

FARM LEVEL

This is where you can view farm properties, pasture covers and supplements. You can also assign schedules and expenses.

1. Click on 'Farm' in the tree view
2. Select 'Properties' in the second panel
3. Adjust the 'Cover' to in the third panel

BLOCK LEVEL

At block level we can adjust growth rates and enter crops and nitrogen applications.

APPLYING GROWTH RATES

1. Click the plus icon next to 'Farm' in the tree view
2. Select 'Block'
3. Select 'Growth Rate' in the second panel
4. Select 'Library' in the third panel
5. In the pop-out, select 'your region and then your area
6. Select 'Apply'

ADDING A CROPPING EVENT

1. Select 'Crops' in the second panel
2. Select 'New Crop' in the third panel
3. Select a crop you produce on farm
 - a. As you can see, FARMAX has created an event. The plot gives a visual representation of the area of the crop which can be clicked and dragged to adjust the dates and area. These can also be adjusted in the table below.
4. In the table adjust:
 - a. Area
 - b. Date In & Out
 - c. Yield

ADDING A NITROGEN EVENT

1. Select 'Nitrogen' -> 'New Nitrogen'
2. In the table adjust"
 - a. 'Area'
 - b. 'Date'
 - c. Any other variables if they differ from the default

When looking at the 'Pasture Growth' report at the top level of the tree view you can see the impact of the Nitrogen applications. Selecting the 'table' view gives you exact values of the nitrogen boost.

ANIMALS

ADDING STOCK

1. Right click on 'Dairy' in the tree view
2. Select 'New Mob' -> 'Cows'
3. Repeat this step and add a '1-Year Heifers' mob

RENAMING MOBS

1. Right click on the '1-Year Heifers' mob -> 'Rename'
2. In the 'Name' click on the cell which says '1-Year Heifers' and add the birth year to the end, in this case the new name will be '1-Year Heifers 17'

NUMBERS

1. Select the 'Cows' mob in the tree view
2. Select 'Properties' in the second panel
 - a. Here we can change different aspects of the mob such as breed and ownership.
3. Change the number of cows
4. Repeat the above steps for the '1-Year Heifers' mob

MATING

1. Select 'Cows' in the tree view
2. Select 'Mating & Calving' in the second panel
 - a. We now see the mating screen for Calving in the current season. Tick the 'Mated' box.
3. In the 'Calving Destinations' screen, type the number of replacements you keep next to 'First ... into Heifer Calves'
 - a. You will see 'Bobby Calves' and 'Heifer Calves' mobs have been created in the tree view. Click on the 'Heifer Calves' mob and you will see the first heifer calves have been put in to this mob, the rest have been put into the 'Bobby Calves' mob.
 - b. Change the names of the mob so the birth year is included by right clicking on the mob in tree view.
4. Repeat the above steps for the '1-Year Heifer' mob, however select calving for the next season, in this case 'Calving 2019'.

- a. 'Calving Destinations' won't display as the calving occurs in the next season.

LOCATION

SEND OFF

1. Select 'Location' in the second panel of the '1-Year Heifers' mob
2. If you send your heifers off farm, select 'New' -> 'Send Off' in the third panel
3. In the event table, select 'All' in the 'Send Off' drop-down
4. Adjust the date

BRING BACK

1. Select 'New' -> 'Bring Back'
2. Select 'All' from the 'Bring Back' drop-down
3. Change the date

TRANSFERING STOCK

1. Select 'Numbers' for the '1-Year Heifer' mob
2. In the 'Transfer Out' column select the call aligning with May
3. Select 'New Tr.Out'
4. In the 'Move' drop-down select 'All'
5. In the 'Transfer to' drop-down select 'cows'
6. The date is automatically set for the day after the cows come back on farm.
7. Select 'Cows' -> 'Numbers'
 - a. You can see in May in the 'Transfer In' column the R1 heifers coming in

DRYING OFF

1. Select the month you dry your cows off in the 'Dry Off' column of the numbers screen
2. Select 'New' -> 'Drying Off'
3. You will see the whole herd dries off.
4. To adjust the date and number of cows drying off
 - a. Select the date drop down
 - b. To adjust numbers, select the drop down next to 'All' and put a value in to represent the cows you want to keep milking. Or you can select the '+' to choose how many cows to dry off.

PRODUCTION

1. Select the 'Cows' mob 'Performance' screen
 - a. You will see here 'Feed Offered', 'Production' and 'Pasture Cover'. Monitor milk production, body condition score and liveweight in the 'Production' graph. We see the pasture demand in the 'Pasture Cover' graph. These are both driven by 'Feed Offered'.

FEEDING

Cows

1. Click on the 'Select a Feed' drop-down and choose a supplement you feed your herd
 - a. You will see this appear below 'Pasture'
2. Select the 'Milkers' tab and click on the row correlating to your selected feed.
 - a. You will see in the bottom row of the 'Feed Offered' graph the month the feed was produced and when data is entered you will how much you are using in total per month.
 - b. If you buy in feed such as palm kernel, it will automatically buy this as you enter the feeding data
 - c. Enter in the cells relating to the month and the feed type what cows are being fed in kgDM/head/day.

Supplement Screen

1. Select 'Farm' in the tree view
2. Select 'Supplements' in the second panel
 - a. Here you will see the crops you entered in the cropping screen and what you have fed out in the cows Performance screen, and what the calves have been fed.
3. In some cases, when you are feeding supplement in the Performance screen the number will show as red. This is because you have either used all your feed in the months before this, or there is not available for that time, a common example of this is pasture silage.
 - a. When pasture silage is produced in Spring/Summer then fed out over winter, this is usually occurring across two seasons.
 - b. To correct this so feed is available at the start of the season, we must adjust the supplement reconciliation.
 - c. To do this, enter the tonnes you start the season with in the 'Open' column. This allows you to feed the supplement in the performance screen. You should close the season with what is to be used in the next season.

PASTURE COVERS

Now you have adjusted our stock numbers, milk production, supplementary feeding and pasture growth rates, you can calibrate our pasture cover.

1. Click on the top level in the tree view
2. Select 'Pasture Covers'
3. Select 'Calibrate Pasture'
4. Tick each of the boxes, then enter the pasture covers below in the 'Pasture Cover' row below the graph

When updating the pasture growth levels in the 'Calibrate pasture' pop-out, the 'Pasture Growth' updates in the 'Potential Pasture Growth for ...' graph below. This is because the growth rate changes with demand and cover levels.