



Sow Manager

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1 System description

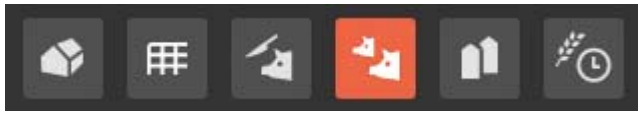


Figure 1-1: Selected management area – Sow Manager

The BigFarmNet Sow Manager is a database you can use to manage your entire sow herd. You will create a comprehensive data collection to retrieve data for multiple purposes. The BigFarmNet Sow Manager provides the following functions:

- create and edit master data
- record sows using the sow numbers and transponder numbers specific to each farm (for CallMaticpro and Call-Innpro)
- define and assign feed curves
- adjust feeding individually for each animal
- assign states: pregnant, inseminated, empty, lactating
- create lists depending on filter settings
- filter groups or individual animals
- filter according to different characteristics, such as
 - state, identity or eating behaviour
- filter according to different purposes, such as
 - monitoring the feed intake
 - assigning selection tasks (separation or colour marking)
- print created lists

The Manager PC with the BigFarmNet software and the control computers of the respective feeding systems continuously exchange data. The Manager PC transmits all stored data regarding feeding and selection to the control computer. The control computers provide feedback to the Manager PC, e.g. by returning information on the actual state (e.g. number of times a sow requested feed). The Manager PC and all control computers therefore have the same information.

1.1 System limits

30,000	Sows
256	Feeding stations
50	Feed curves
1,000	Ingredients
50	Recipes

2 Feed curve

Defining feed curves is one of the basic settings configured during initial operation, in addition to moving the animals in. To meet the feed demand of the animals, use a feed curve to define which feed components are dispensed at which ratio and during which time periods. Daily rations are adapted automatically as required by the individual growth states or production cycles. During production, the actual feeding state is registered and checked based on the set feed curve.

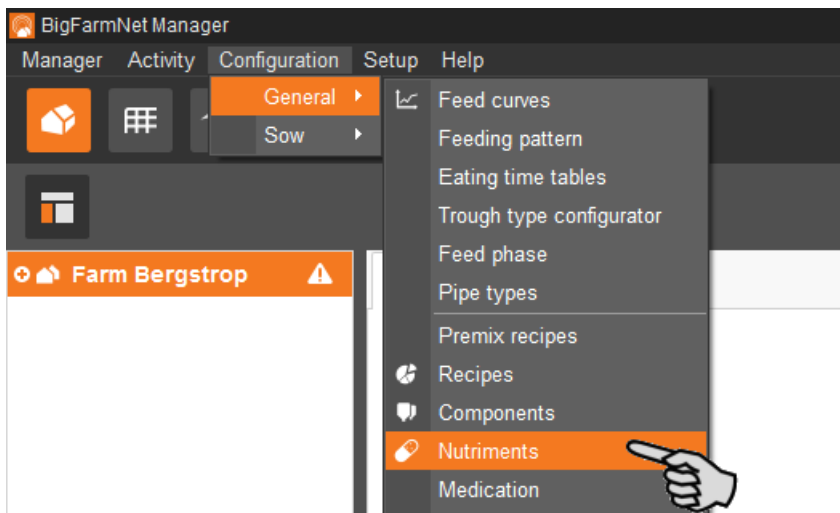


The feed curve must always be defined before the animals are moved in as it is mandatory for moving in. Before you define a feed curve, you need to determine feed components as well as nutrients, pre-mix recipes and recipes as required or depending on the type of feeding.

2.1 Creating nutrients

Nutrients include carbohydrates, fats and proteins, but also vitamins and minerals. The nutrients you create determine the nutritional value of the components. When you create a new component, all nutrients you created before will be listed. You can then enter the corresponding values per component, see chapter 2.2 "Creating components".

1. In the menu "Configuration" > "General", click on "Nutrients".



2. In the dialog window "Nutrients", click on "Add".

3. Enter a name for the nutrient and determine the unit.

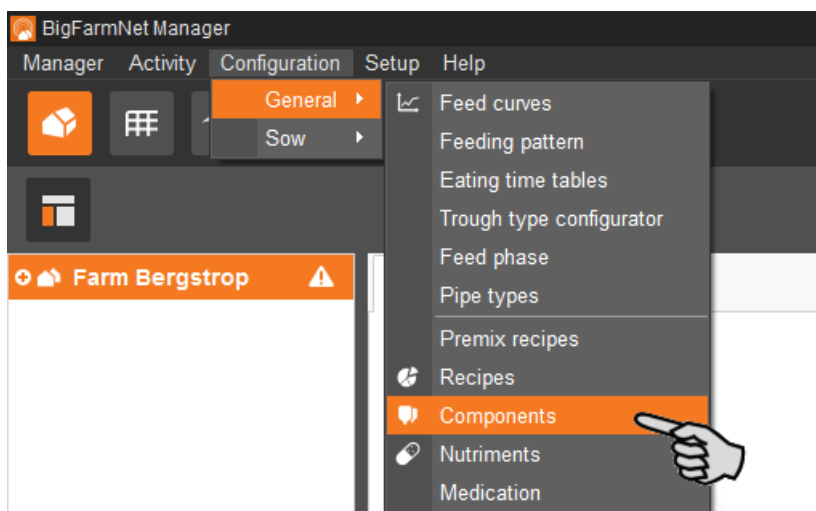
4. As an option, you can also determine a priority for each nutrient. The nutrients can then be listed in ascending or descending order according to priority later on.

5. Accept these inputs by clicking on "OK".

2.2 Creating components

Use the "Component" dialog to create different components and to add any corresponding information. Components are classified into the categories "Feed" and "Additive". Components in the category "Feed" can be the individual ingredient of a feed mix or a complete compound feed.

1. In the menu "Configuration" > "General", click on "Components".



- In the dialog window "Components", click on "Add".
- Enter a name for the component and select a category.

Component

Name: Component 1

Category: Feed (selected)

Navigation tabs: Nutrition, Technical, Hydrolix se

- Under the first tab "Nutrition", enter the dry matter fraction of the component.

Component - Add

Name: Component 1

Category: Feed

Navigation tabs: Nutrition, Technical settings, Replacement components, Liquid feeding settings, Culina settings, Color

Dry matter fraction: 0.0 g/kg

	FM	DM 88%	DM 100%
Name			
Energy	0.0		MJ/kg
Calcium	0.0		g/kg

- Only after entering the dry matter fraction can you choose one of the following quantities:

- FM = per fresh matter
- DM 88 % = in relation to 88 % dry matter
- DM 100 % = in relation to 100 % dry matter

If required, enter the energy content and the individual nutrient fractions in the table below (see 2.1 "Creating nutrients").

Component - Add

Name: Component 1

Category: Feed

Navigation tabs: Nutrition, Technical settings, Replacement components, Liquid feeding settings, Culina settings, Color

Dry matter fraction: 880.0 g/kg

	FM	DM 88%	DM 100%
Name			
Energy	12.6		MJ/kg
Calcium	15.0		g/kg
Vitamin A	5.0		ppm
Crude protein	0.0		g/kg
Copper	0.0		g/kg

6. Define parameters for feed preparation in the mixing tank under the tab "Technical settings".

Component - Add

Name: Component 1

Category: Feed

Navigation tabs: Nutrition, **Technical settings**, Replacement components, Liquid feeding settings, Culina settings, Color

Mixing

Total mixing time: 00:00:00 hh:mm:ss

☐ Interval mixing

Interval mixing time: 00:00:00 hh:mm:ss

Interval pause time: 00:00:00 hh:mm:ss

Low mixing speed: ☐

Dosing

Time dosing threshold: 0.0 kg ☐ Auto

Dosing type: by weight ☒ Manual

Specific weight

Specific weight: 1.000 kg/l

Buttons: OK, Cancel

- Under **Total mixing time**, determine a time period for mixing the component. If several components are mixed together, the mixing time will correspond to that of the component with the longest mixing time.
- If a component needs to macerate first, click on **Interval mixing** and enter the required value.
- Define settings for dosing of the component:
 - > **Auto**: Define a weight as threshold value. If the weight of the dispensed component is below the threshold, dosing is automatically time-controlled. If the weight is above the threshold, dosing is automatically weight-controlled.
 - OR
 - > **Manual**: Define whether components should be generally dispensed "by weight" or "by time".
- If the component is dissolved in water, change the presetting under **Specific weight**, if necessary.

7. Select one or more replacement components from the tab "Replacement components" in case the component you entered is used up before a new order arrives. If you select more than one replacement, you may sort them in descending order according to priority.

Component - Add

Name: Component 1

Category: Feed

Navigation tabs: Nutrition, Technical settings, **Replacement components**, Liquid feeding settings, Culina settings, Color

Replacement components

Select replacement components

- Barley
- Corn
- Mixture finishing
- Pig feed 13,0 MJ EM
- Pig feed 13,4 MJ VM
- Pig feed 13,6 MJ CORONA
- Piglet feed 13,6 MJ

For Component 1

8. Configure the necessary settings under the tab "Liquid feeding settings".

Component - Add

Name: Component 1

Category: Feed

Navigation tabs: Nutrition, Technical settings, Replacement components, **Liquid feeding settings**, Culina settings, Color

Liquid feeding technical settings

Wait after mixing tank agitator on/off: 3.0 s

Dosing with agitator of mixing tank: ☒

Dose component through circuit: ☐

Preferred feed pump type: None

Parameters for usage as additive

Position for dosing into mixing tank for activities: After adjustment components

Start Medinject for stub or valves before dosing into mixing tank: ☐

How to handle missing ingredient for activities: Alarm

Parameters for dosing into mixing tank

Preparation temperature during dosing into mixing tank: 0.0 °C

Allowed temperature tolerance (±): 3.0 °C

Additional mixing time after dosing: 00:00:00 hh:mm:ss

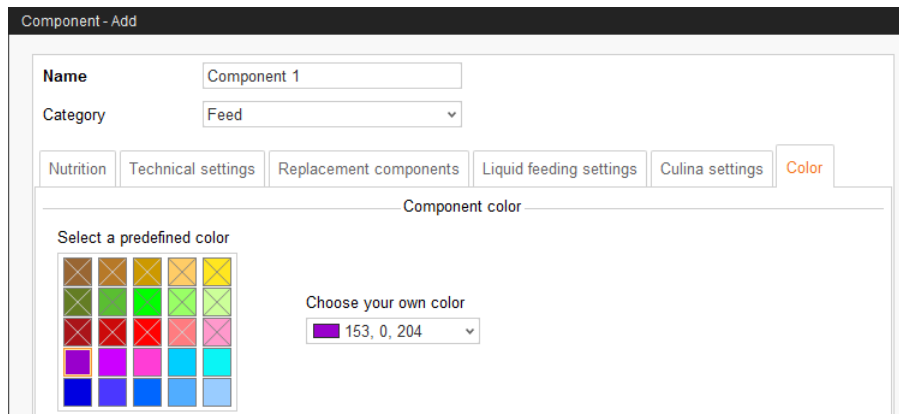
Buttons: OK, Cancel

- **Dose component through circuit** refers to water or whey to be dispensed via the circuit with a specific pump (**Preferred feed pump type**).

- The settings in the bottom part, **Parameters for dosing into mixing tank**, must be configured for the CulinaMixpro application:

The temperature values that must be defined are target values. The parameter **Additional mixing time after dosing** ensures that the component can dissolve at the stated temperature.

9. Select a color for the component under the tab "Color". This makes recognizing components in the feed curve easier and lets you distinguish specific components from others during evaluation.

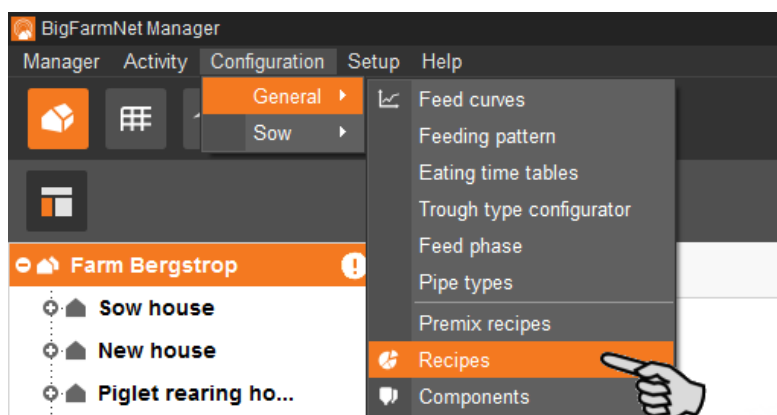


10. Click on "OK" after you have configured all settings.

2.3 Creating a recipe

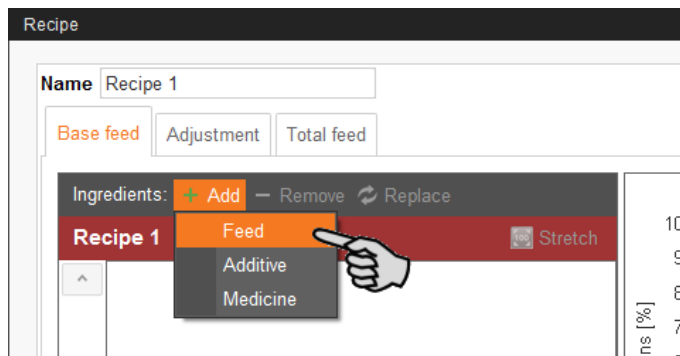
Use the "Recipe dialog" to compile a recipe for a feed mix based on the components you created (see 2.2 "Creating components"). A recipe is used like a component when you create a feed curve.

1. In the menu "Configuration" > "General", click on "Recipes".



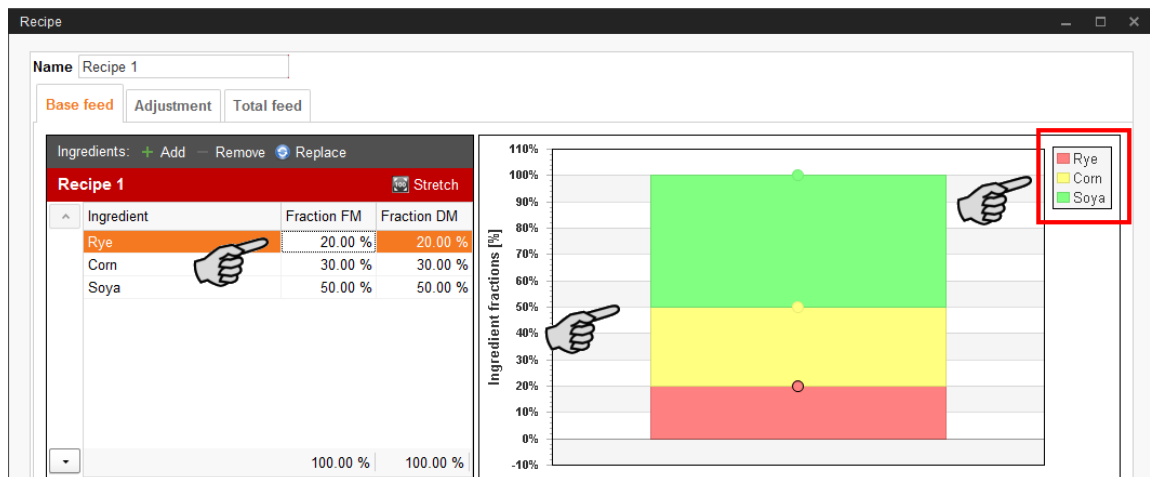
2. In the dialog window "Recipes", click on "Add".
3. Enter a name for the recipe.

- Under the first tab "Base feed", add the required ingredients "Feed", "Additive" or "Medicine".



- Select whether you want to enter fresh matter (FM) or dry matter (DM) and define the respective fractions of the ingredients.

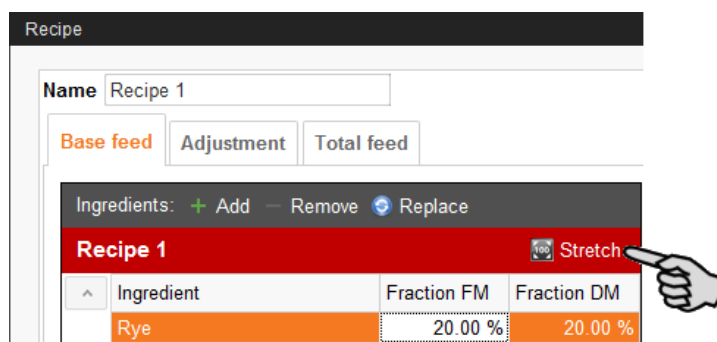
The fractions must sum up to 100 % in total. A diagram shows the distribution.



OR:

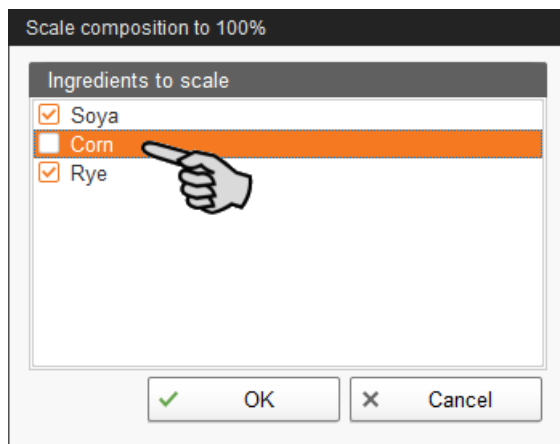
The ingredients can be distributed automatically:

- Click on "Stretch":



- b) Deactivate ingredients whose fixed fraction should **not** be changed during automatic distribution.

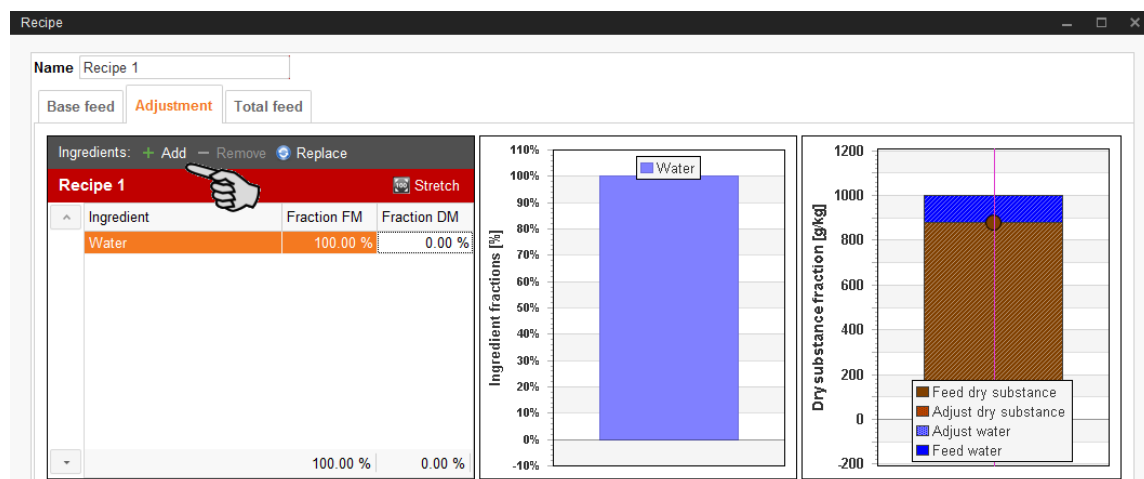
Automatic distribution uses 100 % as basis. If one ingredient is deactivated with a fraction of e.g. 30 %, the other ingredients are evenly distributed over the remaining 70 %.



- c) Click on "OK" to distribute the ingredients automatically.

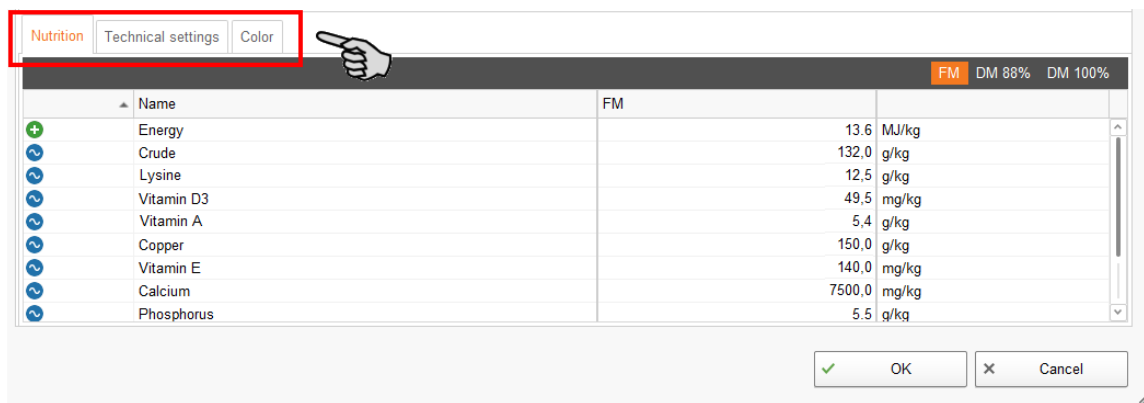
6. Under the tab "Adjustment", you may add ingredients of which proportions are used in addition to water.

The ingredient fractions and the dry matter fraction are shown in a diagram.



7. You may change the dry matter fraction directly in the diagram:
- Click on the dot in the diagram and hold the mouse button.
 - Move the dot up or down to increase or reduce the dry matter fraction.
8. Click on the tab "Total feed" for a graphic overview of your feed mix.
- Settings cannot be changed here.

9. In the lower part of the "Recipe" window, additional tabs allow for the following settings:
- **Nutrition:** Select between DM, FM 88 % and DM 100 %. The energy content and the nutrient fractions are then shown including the corresponding values.
 - **Technical settings:** Option to change the specific weight.
 - **Color:** Select a color for the recipe you created. This makes recognizing components in the feed curve easier and lets you distinguish specific components from others during evaluation.

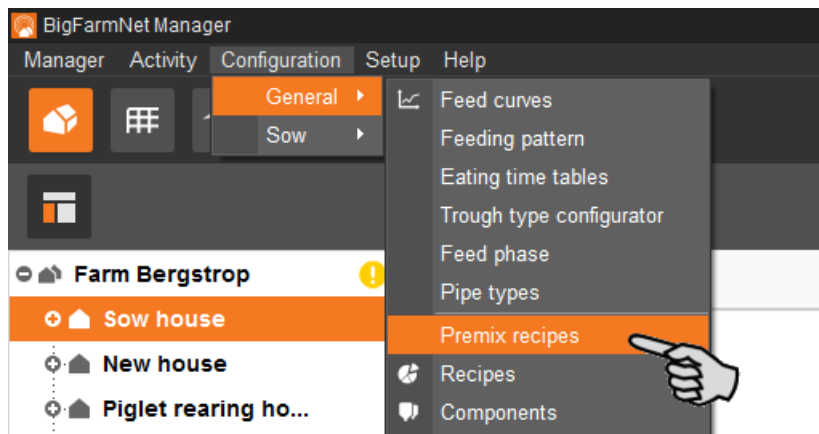


10. Click on "OK" after you have configured all settings.

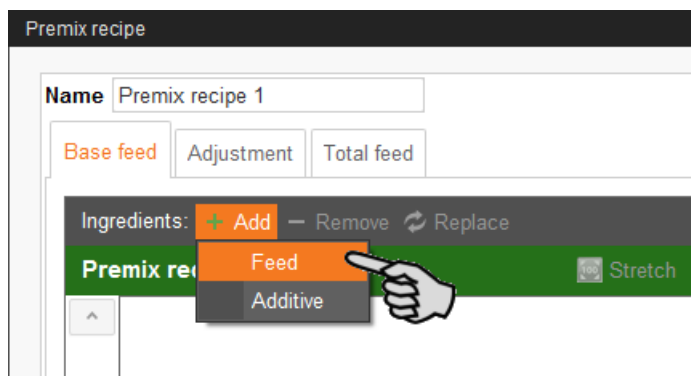
2.4 Creating a premix recipe

In a premix recipe, a mixture to be created in the premixer is defined. A premix recipe consists of created components from the "Feed" and/or the "Additive" (vitamins, minerals) category. In case of very small amounts, the main mixer cannot weigh the components, so a premixer for very small amounts is used. A premix recipe is used like a component for feeding.

1. In the menu "Configuration" > "General", click on "Premix recipes".

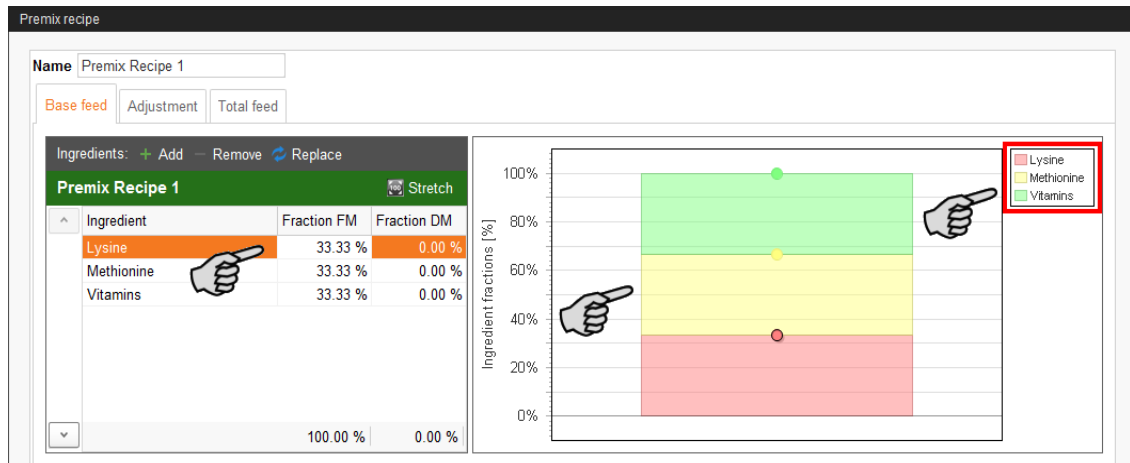


2. In the dialog window "Premix recipe", click on "Add".
3. Enter a name for the premix recipe.
4. Under the first tab "Base feed", add the required ingredients "Feed" or "Additive".



5. Select whether you want to enter fresh matter (FM) or dry matter (DM) and define the respective fractions of the ingredients.

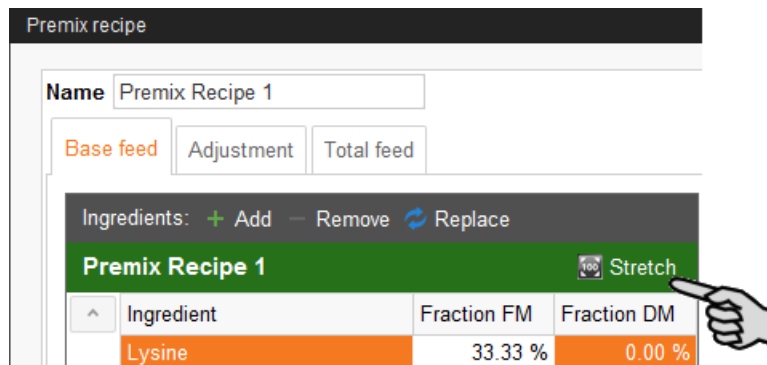
The fractions must sum up to 100 % in total. A diagram shows the distribution.



OR:

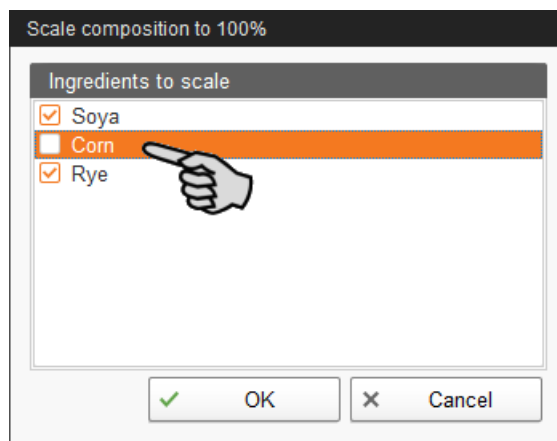
The ingredients can be distributed automatically:

a) Click on "Stretch":



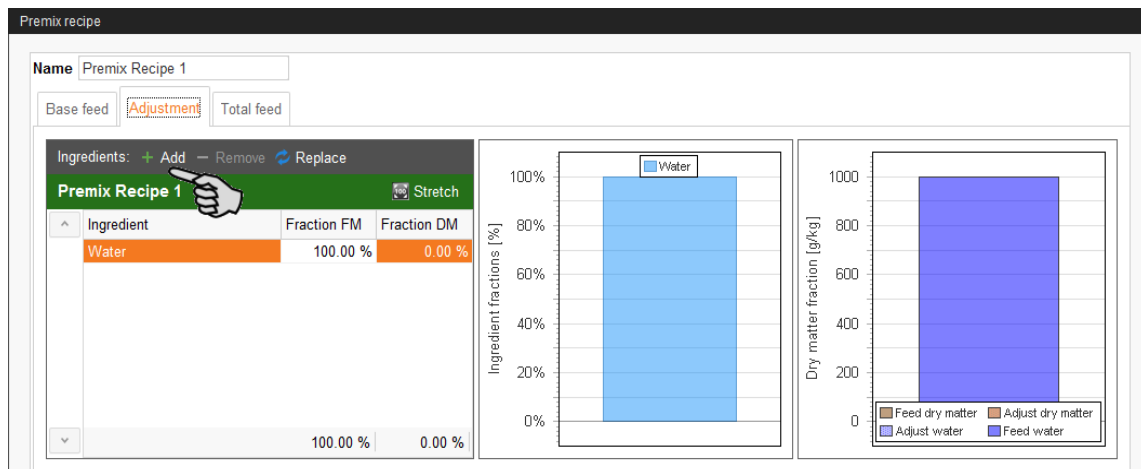
b) Deactivate ingredients whose fixed fraction should **not** be changed during automatic distribution.

Automatic distribution uses 100 % as basis. If one ingredient is deactivated with a fraction of e.g. 30 %, the other ingredients are evenly distributed over the remaining 70 %.



c) Click on "OK" to distribute the ingredients automatically.

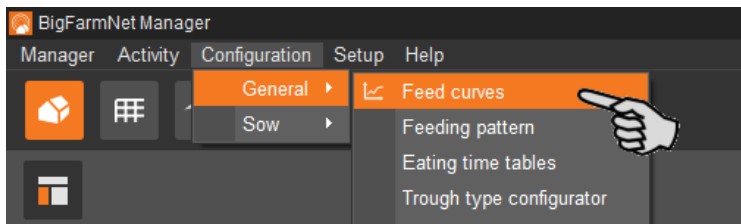
6. You may change the dry matter fraction directly in the diagram:
 - a) Click on the dot in the diagram and hold the mouse button.
 - b) Move the dot up or down to increase or reduce the dry matter fraction.



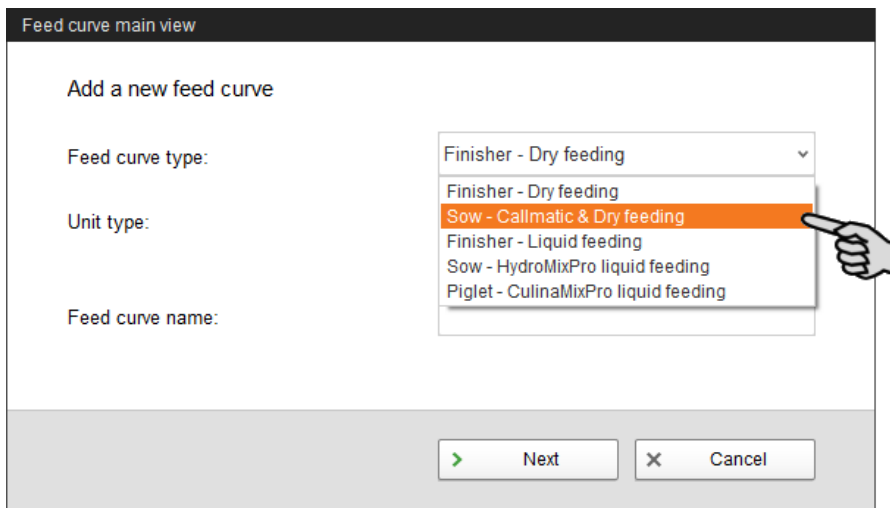
7. Click on the tab "Total feed" for a graphic overview of your mixture.
Settings cannot be changed here.
8. Configure additional settings in the lower part of the window under the corresponding tabs.
As a premix recipe is used like a component, the settings options are identical, see chapter 2.2 "Creating components".
9. Click on "OK" after you have configured all settings.

2.5 Defining a feed curve for dry feed

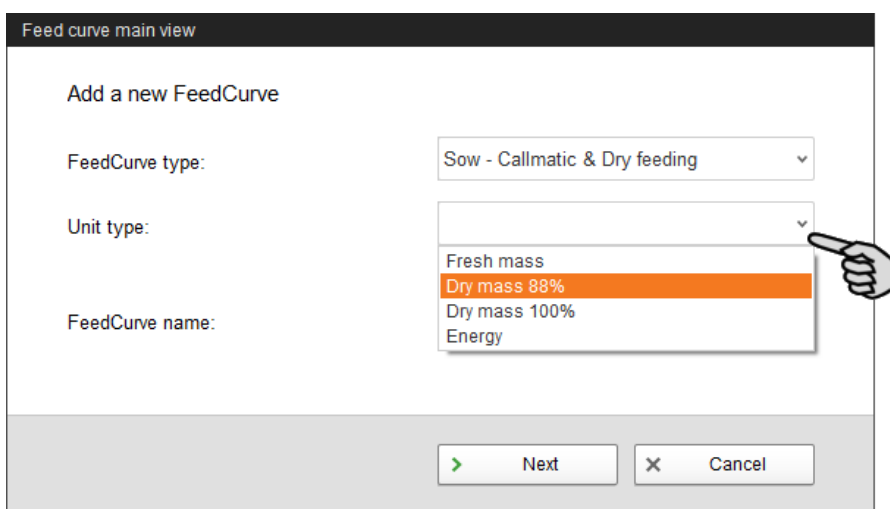
1. In the menu "Configuration" > "General", click on "Feed curves".



2. In the next dialog window, click on "Add".
You can edit, copy or remove created feed curves later on, if necessary.
3. In the next window, select the correct feed curve type.



4. Select the unit type and enter a name for the feed curve.



5. Click on "Next".

6. From the component list on the left, select the components for your feed curve by either double clicking on the component in the list or by clicking on the arrow button. The component list includes all feed components, additives, recipes and premix recipes you have created.

Feed curve - Add

Type: Sow - Callmatic & Dry feeding Unit type: Dry matter 88% Name: Sow

Component selection Envelope curve Feed composition Overview

Select components

Type	Name	DM [g/kg]	Energy [MJ/kg]
Feed	Barley	880.0	13.6
	Corn	880.0	13.6
	Pig feed 13,0 MJ EM	880.0	13.0
	Pig feed 13,4 MJ VM	880.0	13.4
	Pig feed 13,6 MJ CORONA	880.0	13.6
	Piglet feed 13,6 MJ	880.0	13.6
	Piglet feed 14,0 MJ	880.0	14.0
	Piglet feed 14,2 MJ	880.0	14.2
	Rye	880.0	13.6
	Sow feed 12,6 MJ	880.0	12.6
	Sow feed 13,4 MJ	880.0	13.4
	Soya	880.0	13.6
	Triticale	880.0	13.6
	Wheat	880.0	13.6
Recipe	Mixture finishing	880.0	13.6

To Sow

Type	Name	DM [g/kg]	Energy [MJ/kg]
You need to add components to the component list			

> Next X Cancel

7. If necessary, define an order for the components.

By default, the function "Automatic mixing order of the components" is active (button highlighted in gray). This means that the component with the largest fraction always enters the mixing tank first. Click on the button to deactivate the function and to define a different order using the arrows.

Type: Sow - Callmatic & Dry feeding Unit type: Fresh mass Name: Sow feed curve

Overview

To Sow feed curve

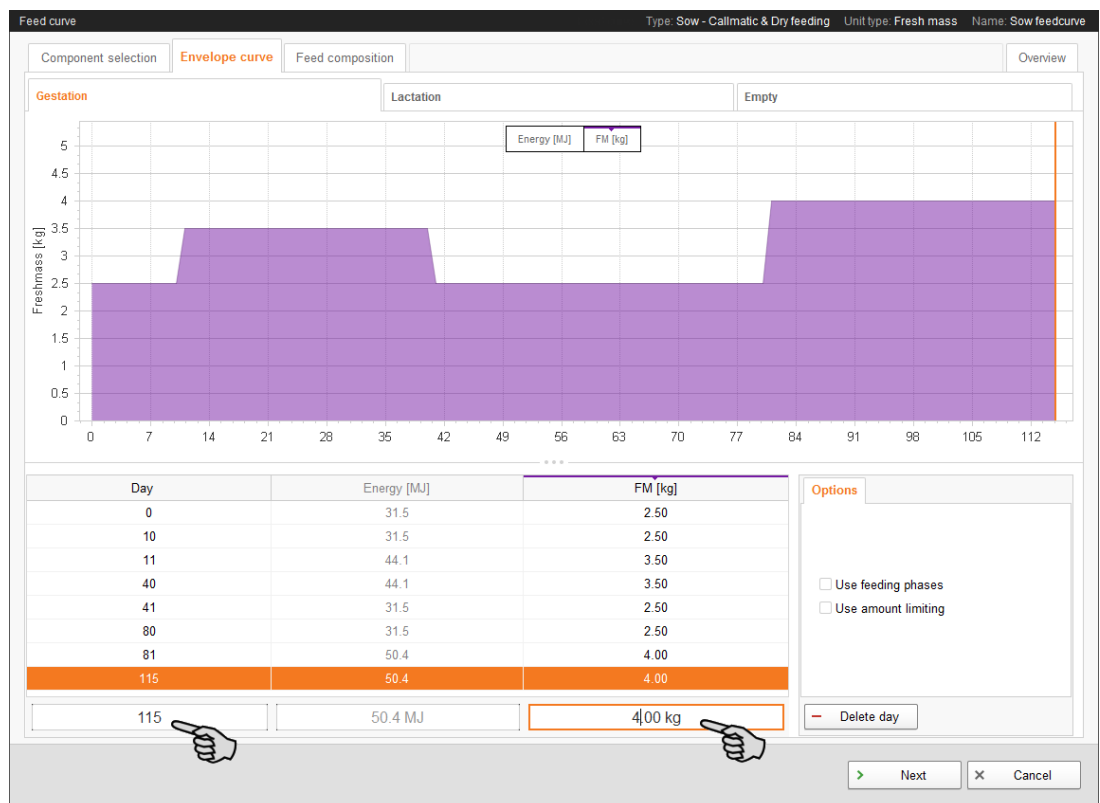
Type	Name	DM [g/kg]	Energy [MJ/kg]
Feed	Sow feed 12,6 MJ	880.0	12.6
	Sow feed 13,4 MJ	880.0	13.4

Automatic mixing order of the components
For each curve day the component with the highest fraction is mixed first

8. Click on "Next".
9. Under the tab "Envelope curve", define feed curves for the different states of a sow according to a pre-set order. Possible sow states are:
 - Gestation
 - Lactation
 - Empty

- a) Click on the "Gestation" tab.
- b) Enter the curve day and the corresponding feed amount into the input fields below the table.
- c) Press the Enter key to confirm the input.
- d) Enter further curve days.

The curve in the diagram will take shape the more curve days you enter.

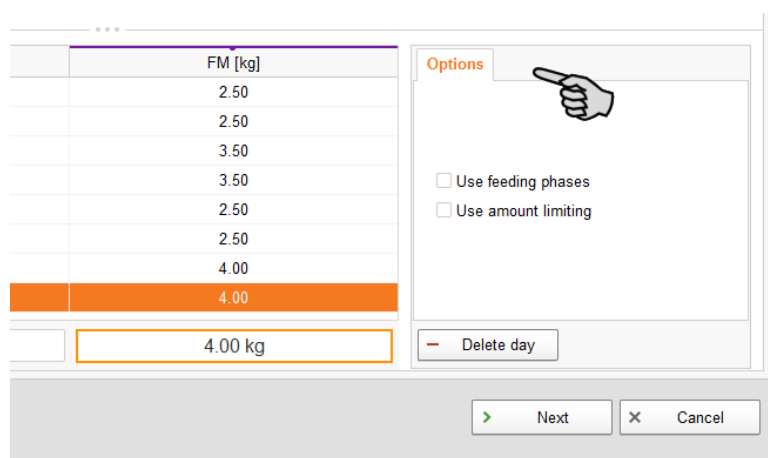


10. In the pane "Options" in the bottom right corner, you may activate the following functions by checking the corresponding box:

- **Use feeding phases:** Feeding phases can be assigned to the individual curve days. Feeding phases allow for an automatic switch to a higher or lower number of feeding times.

Before you can use this function, you need to assign feeding phases to the feeding times in the Task Manager . Feeding phases are part of the general master data, see chapter 5 "Master data".

- **Use limiting amount:** Use this function to limit the maximum feed amount to prevent the animals from eating too much in case of sensor feeding.



11. Click on "Next" after you have completed all inputs for the state "Gestation".

12. Define the envelope curves for the remaining states "Lactation" and "Empty" as described above for the "Gestation" state.

13. Define the fractions of the feed components for the respective curve period under the "Feed composition" tab and for the different states.



a) Click on the "Gestation" tab.

b) Click on the desired curve day in the list.

You can also edit multiple curve days at the same time: Press and hold the Ctrl key and click on all days to which you want to assign the same fraction.

Day	Energy [MJ]	FM [kg]
0	31.5	2.50
10	31.5	2.50
11	44.1	3.50
40	44.1	3.50
41	31.5	2.50
80	32.2	2.50
81	51.8	4.00
115	52.0	4.00

- c) In the pane "Fixed ingredient fraction", enter the value into the field next to the colored line for the component.

OR:

Click on the dot of the component's colored line and hold the mouse button. Move the mouse to the left or to the right to increase or reduce the fraction.

The fractions always add up to 100 %.

Energy [MJ]	FM [kg]
3.50	3.08
3.50	3.08
2.50	2.20
2.50	2.20
4.00	3.52
4.00	3.52

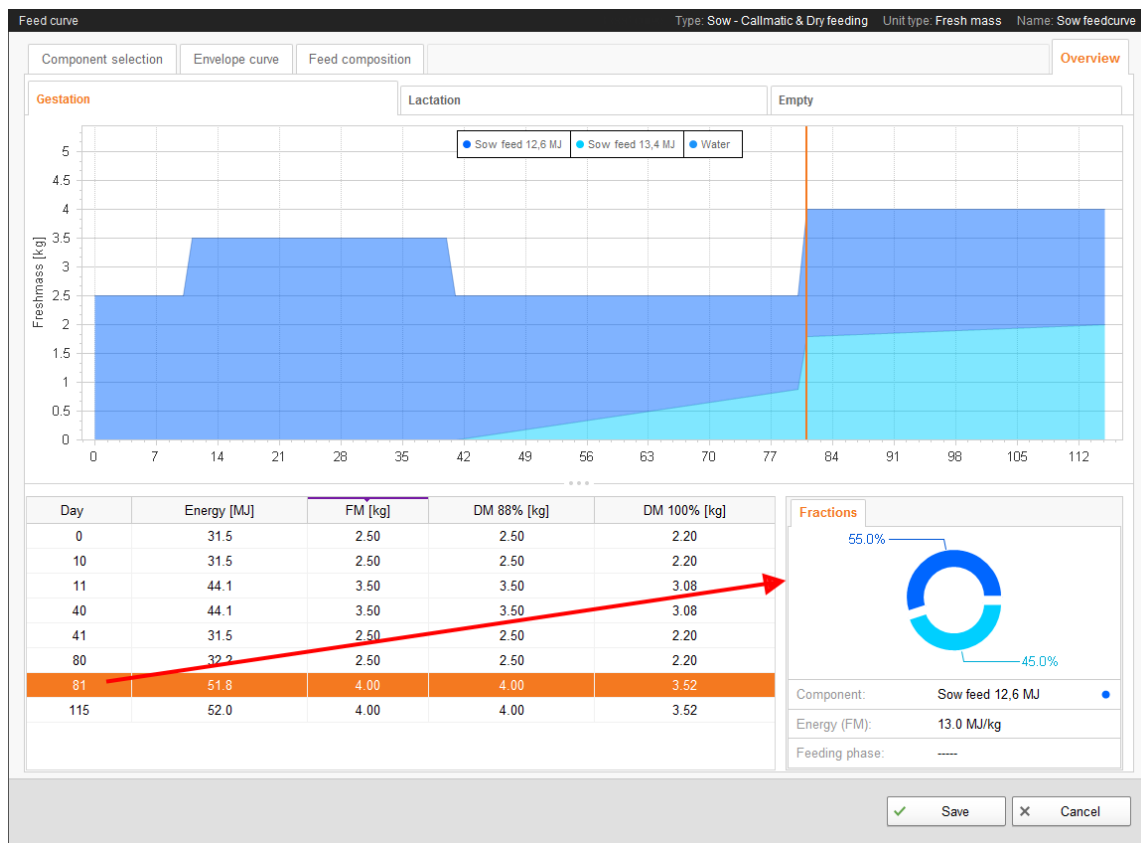
Sow feed 13,4 MJ	FM	DM
58.0 %	58.0 %	58.0 %
33.7 %	33.7 %	33.7 %
8.3 %	8.3 %	8.3 %

Next Cancel

If you use more than two components, a padlock icon is displayed next to each value. Use this padlock icon to lock a defined value. Such locked values will not change when defining further component fractions.

- Click on "Next" after you have completed all inputs for the state "Gestation".
- Define the feed composition for the remaining states "Lactation" and "Empty" as described above for the state "Gestation".

16. Click on "Next" to move to the "Overview" tab.



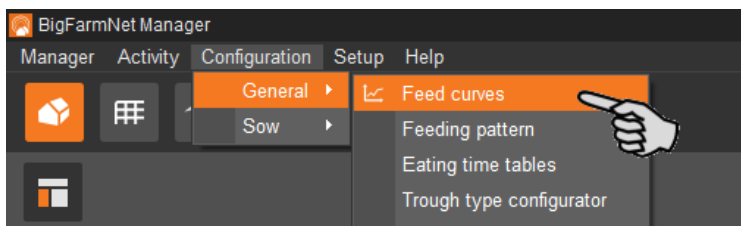
This tab shows a summary of the feed curve you created. Use the overview to verify your settings. It is, however, not possible to make any changes here.

Click on the individual curve days to see the corresponding information in the "Fractions" window, and the nutritional values under the "Nutrition" tab.

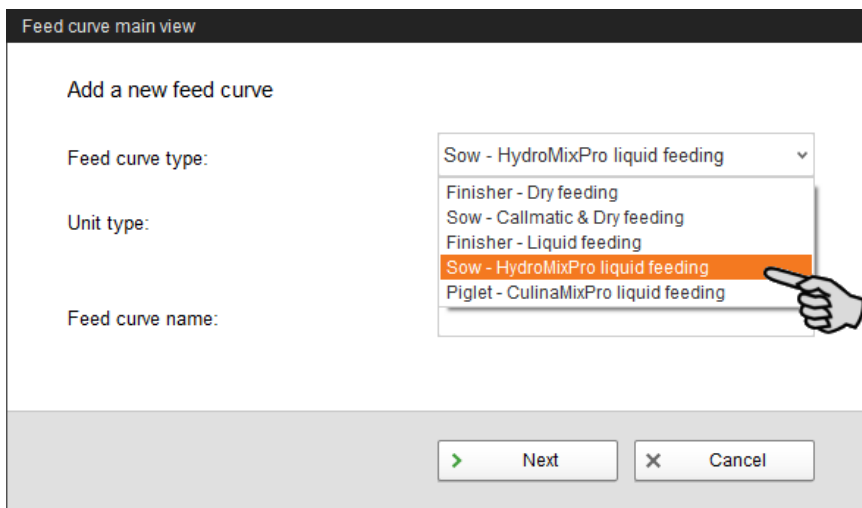
17. Click on "Save" to save all settings.

2.6 Defining a feed curve for liquid feed

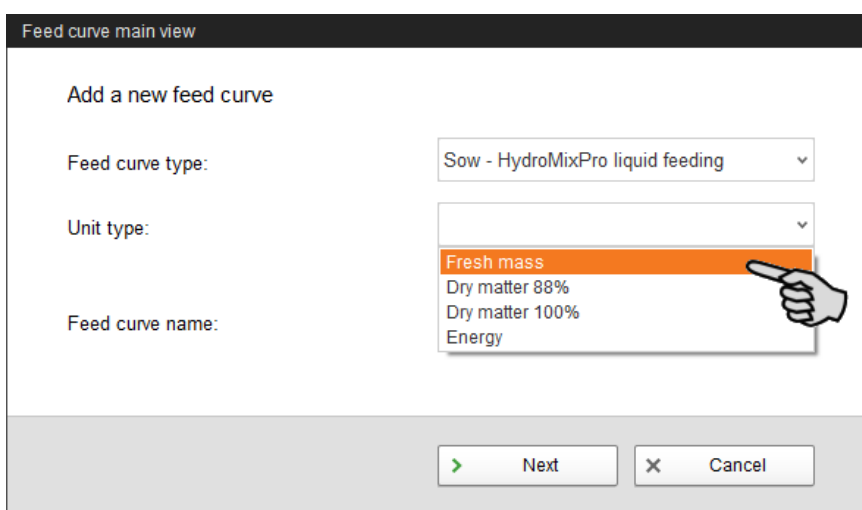
1. In the menu "Configuration" > "General", click on "Feed curves".



2. In the next dialog window, click on "Add".
You can edit, copy or remove created feed curves later on, if necessary.
3. In the next window, select the correct feed curve type.

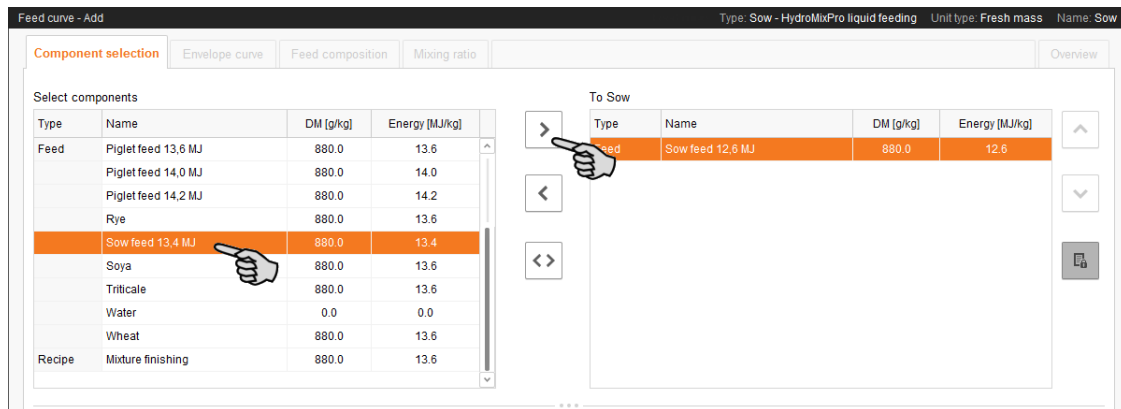


4. Select the unit type and enter a name for the feed curve.



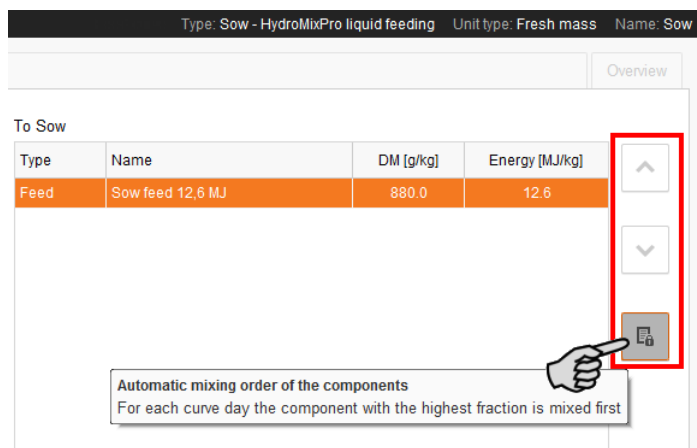
5. Click on "Next".

6. From the component list in the upper left-hand part of the window, select the dry components for your feed curve either by double-clicking on the component in the list or by clicking on the arrow pointing to the right.

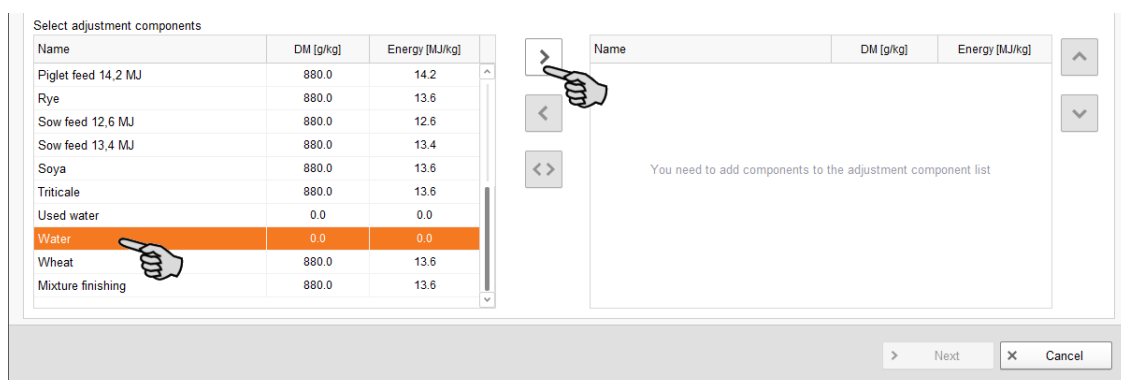


7. If necessary, define an order for the components.

By default, the function "Automatic mixing order of the components" is active (button highlighted in gray). This means that the component with the largest fraction always enters the mixing tank first. Click on the button to deactivate the function and to define a different order using the arrows.



8. From the component list in the lower left-hand part of the window, select the adjustment components either by double-clicking on the component in the list or by clicking on the arrow pointing to the right.



9. You may also define an order using the arrows pointing upwards and downwards, if necessary.
10. Click on "Next".
11. Under the tab "Envelope curve", define feed curves for the different states of a sow according to a pre-set order. Possible sow states are:
 - Gestation
 - Lactation
 - Empty

Feed curve - Add

Type: Sow - HydroMixPro liquid feeding

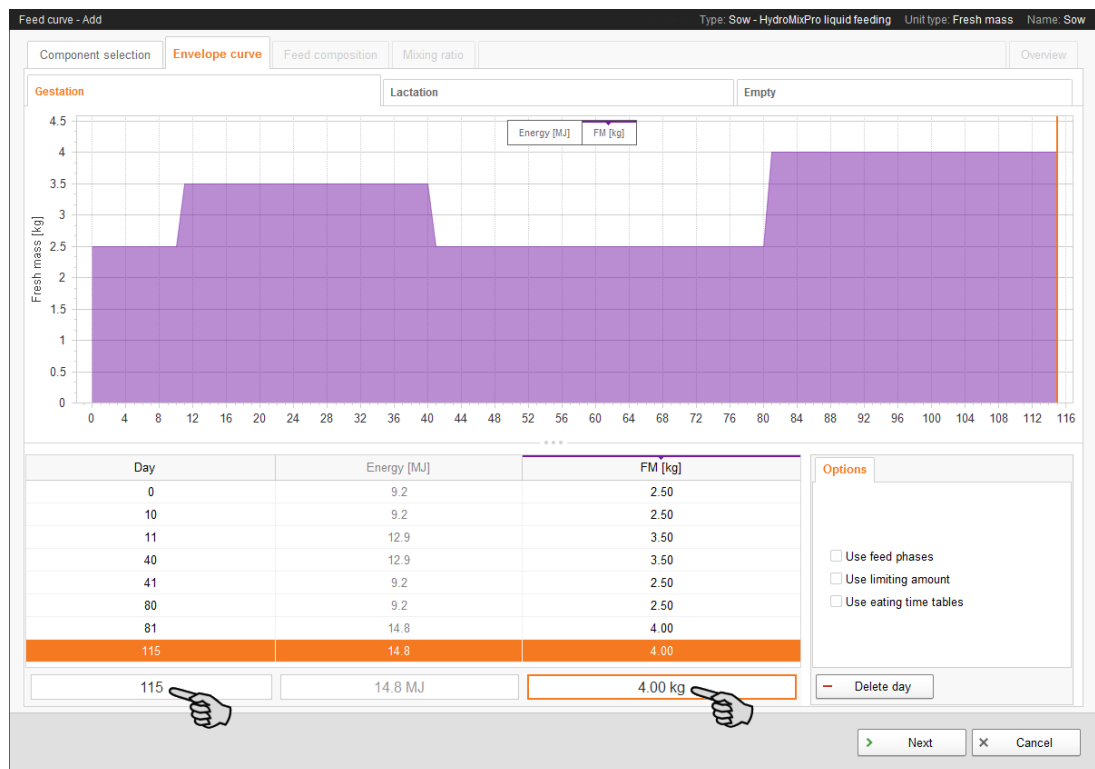
Component selection **Envelope curve** Feed composition Mixing ratio

Gestation Lactation Empty

Energy [MJ] FM [kg]

- a) Click on the "Gestation" tab.
- b) Enter the curve day and the corresponding feed amount into the input fields below the table.
- c) Press the Enter key to confirm the input.
- d) Enter further curve days.

The curve in the diagram will take shape the more curve days you enter.

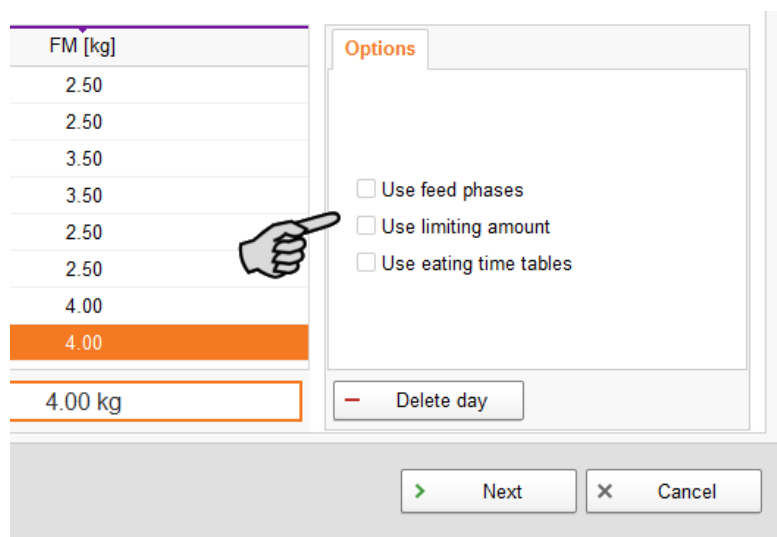


12. In the pane "Options" in the bottom right corner, you may activate the following functions by checking the corresponding box:

- **Use feeding phases:** Feeding phases can be assigned to the individual curve days. Feeding phases allow for an automatic switch to a higher or lower number of feeding times.

Before you can use this function, you need to assign feeding phases to the feeding times in the Task Manager . Feeding phases are part of the general master data, see chapter 5 "Master data".

- **Use limiting amount:** Use this function to limit the maximum feed amount to prevent the animals from eating too much in case of sensor feeding.
- **Use eating time tables:** Eating time tables are used for sensor feeding (ad libitum). The sensor measures whether the animals have emptied the trough or not. The sensor also measures how fast the trough was emptied and sends this information to BigFarmNet Manager. Using the eating time table, you can then adjust the feed according to the corresponding eating times.



FM [kg]
2.50
2.50
3.50
3.50
2.50
2.50
4.00
4.00
4.00 kg

Options

☐ Use feed phases

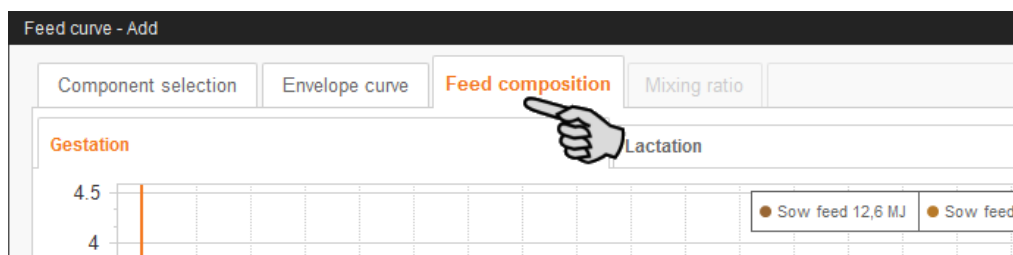
☐ Use limiting amount

☐ Use eating time tables

Delete day

Next Cancel

- Click on "Next" after you have completed all inputs for the state "Gestation".
- Define the envelope curves for the remaining states "Lactation" and "Empty" as described above for the "Gestation" state.
- Define the fractions of the feed components for the respective curve period under the "Feed composition" tab and for the different states.



- Click on the "Gestation" tab.
- Click on the desired curve day in the list.

You can also edit multiple curve days at the same time: Press and hold the Ctrl key and click on all days to which you want to assign the same fraction.

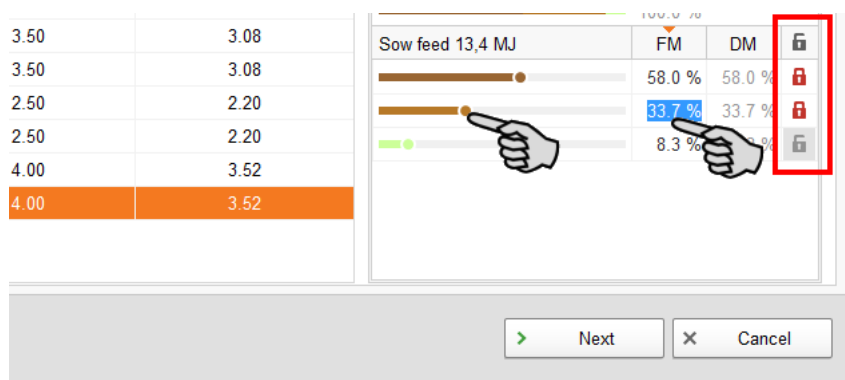
Day	Energy [MJ]	FM [kg]
0	31.5	2.50
10	31.5	2.50
11	44.1	3.50
40	44.1	3.50
41	31.5	2.50
80	32.2	2.50
81	51.8	4.00
115	52.0	4.00

- In the pane "Fixed ingredient fraction", enter the value into the field next to the colored line for the component.

OR:

Click on the dot of the component's colored line and hold the mouse button. Move the mouse to the left or to the right to increase or reduce the fraction.

The fractions always add up to 100 %.



If you use more than two components, a padlock icon is displayed next to each value. Use this padlock icon to lock a defined value. Such locked values will not change when defining further component fractions.

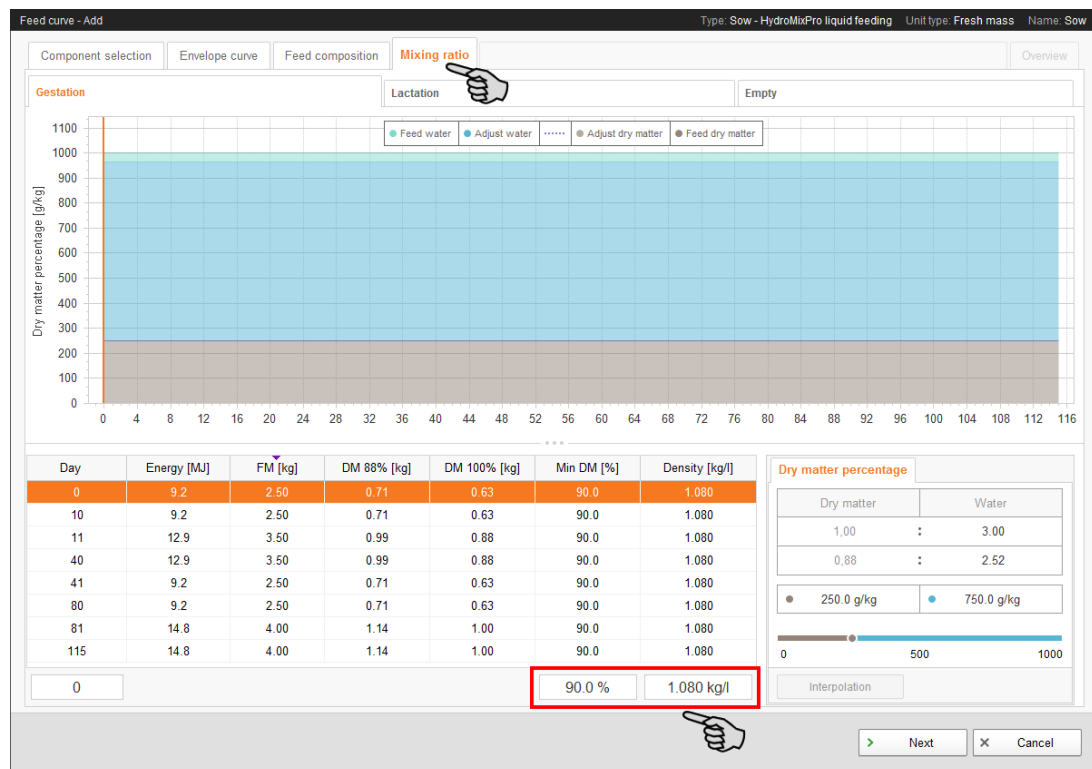
- Click on "Next" after you have completed all inputs for the state "Gestation".

17. Define the feed composition for the remaining states "Lactation" and "Empty" as described above for the state "Gestation".
18. Click on "Next" after you have completed all inputs.
19. Under the tab "Mixing ratio", define the dry matter (feed) and water percentages for the corresponding curve period.

- a) Click on the desired curve day in the table.

You can also edit multiple curve days at the same time: Press and hold down the Ctrl key. Click on all curve days that should have the same percentage.

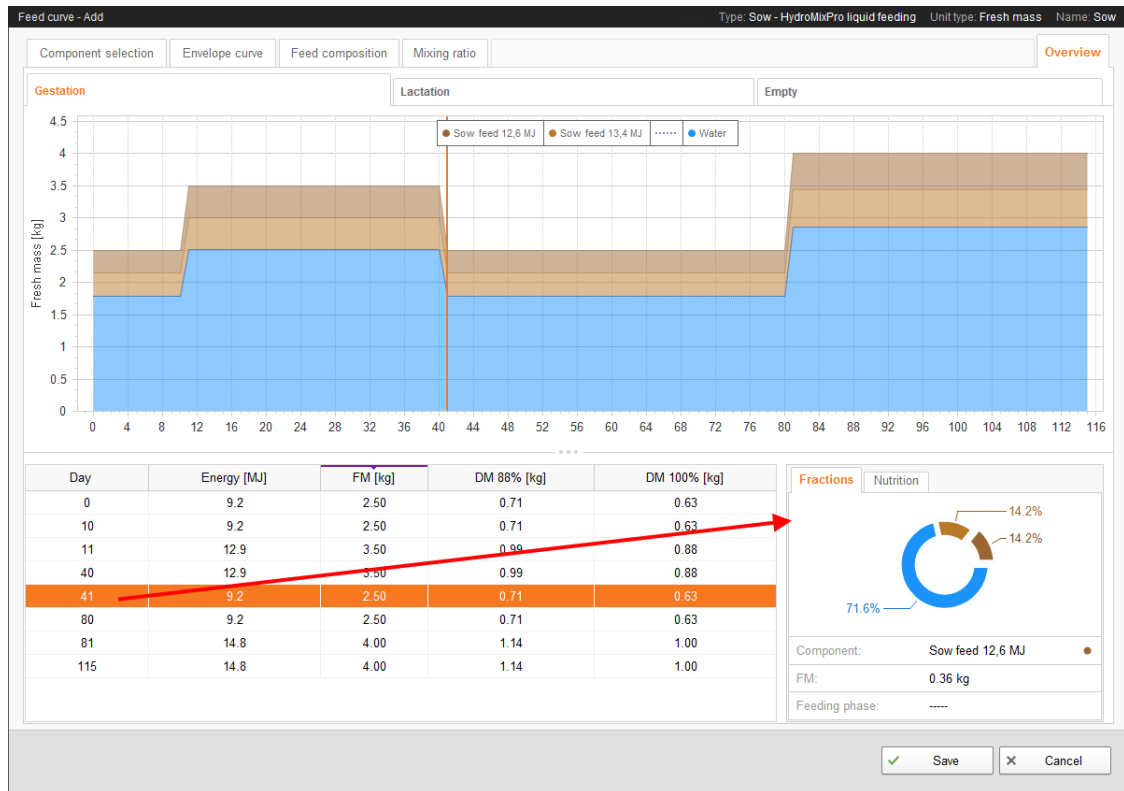
- b) Enter the minimum dry matter percentage (Min DM) into the input field below the respective column.
- c) Enter the density into the input field below the respective column, if necessary.



- d) In the pane "Dry matter percentage", enter either the value for dry matter or for water.

The other value and the ratio are calculated automatically.

20. Click on "Next" to move to the "Overview" tab.



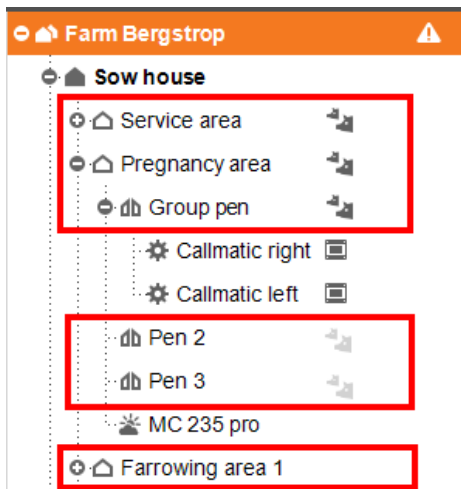
This tab shows a summary of the feed curve you created. Use the overview to verify your settings. It is, however, not possible to make any changes here.

Click on the individual curve days to see the corresponding information in the "Fractions" window, and the nutritional values under the "Nutrition" tab.

21. Click on "Save" to save all settings.

3 Moving animals

Locations with and without animals are marked as follows in the farm structure:

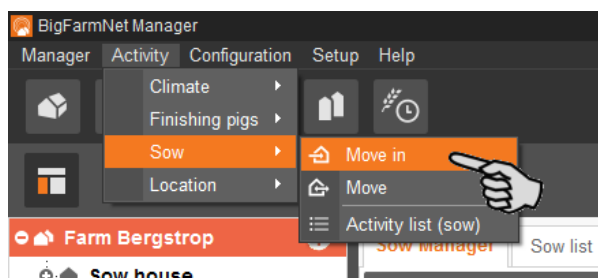


- Dark gray sow icon:
There are currently animals in the area / section / pen.
- Light gray sow icon:
Animals were in the section / area / pen and have been moved. The area / section / pen is currently empty.
- No sow icon:
The area / section / pen is empty. No animals have been in the area / section / pen before.

3.1 Moving animals in

It is possible to register entire groups simultaneously during moving in. In this case, you only need to input data that is the same for all animals once. Individual data, such as the sow number and the transponder number, must be assigned per animal.

1. In the menu "Activity" > "Sow", click on "Move in".



2. Fill in the bold mandatory information.

All other information is optional.

- The field **Move-in date** is automatically filled with today's date.
- **Animal count** can be one animal or a group of animals with the same characteristics.
- The **Feed curve** must have been created before moving animals in, see chapter 2 "Feed curve".

As soon as you have entered all bold mandatory information, the **location** can be edited.

3. Enter the transponder prefix, if necessary.

This input is transferred automatically when creating animals in the system. The transponder prefix can only be entered in the upper part under "Details".

4. Select the correct move-in location under **Location**. Select the house and section first and then the corresponding pen(s), depending on whether you want to move the animals into a group pen or into individual pens.

Moving animals into a group pen

If you select "Group pen", you will only see one row at first. Each row corresponds to one animal. Proceed as follows:

Move in sows

General

Move in date: 7/11/2018

Animal count: 3

Total weight: 0.00 kg

Animal weight: 0.00 kg

Delivery

Supplier: [dropdown]

Total costs: 0.00 \$

Breed / Line: [dropdown]

Details

Condition: Not defined

Feed curve: Sow feed curve

Gilt: ☒ Gilt

Breeder: [dropdown]

Vaccination: [dropdown]

Transponder prefix: 333

Location

Sow house - Pregnancy area

Group pen

Pen	Sow no.	Transponder prefix	Transponder no.	Parity	Original sow no.	Backfat thickness
Pregnancy area - Group pen	1111	333	2221	0		0 mm
Pregnancy area - Group pen	1112	333	2222	0		0 mm
Pregnancy area - Group pen	1113	333	2223	0		0 mm

Save Cancel

- a) Enter the sow number of the first animal and confirm by pressing the Enter key. The cursor automatically jumps into the next input field.

You may also use the arrow keys on your keyboard to jump from one input field to the next, for example if you want to leave a field empty and jump to the next one.

- b) Continue with your inputs as described above.

As soon as you press the Enter key in the last input field, another row appears for the next animal. The system continues generating as many rows as you have defined animals under "Animal count".

- c) To delete a row from the list, select this row and press the Delete key.
- d) Click on "Save" after you have completed all inputs.

The system saves the moving-in process and finishes the task.

Moving in one animal per pen

For sections with one animal per pen, select

- "All pens" if you want to move in multiple animals, and
- one specific pen if you want to move in only one animal.

Each row (= pen) corresponds to one animal. Proceed as follows:

Move in sows

General

Move in date: 7/11/2018

Animal count: 5

Total weight: 0.00 kg

Animal weight: 0.00 kg

Delivery

Supplier:

Total costs: 0.00 \$

Breed / Line:

Details

Condition: Not defined

Feed curve: Sow feed curve

Gilt: ☒ Gilt

Breeder:

Vaccination: ...

Transponder prefix: 500

Location

Sow house - Farrowing area 1

All pens

Pen	Sow no.	Transponder prefix	Transponder no.	Parity	Original sow no.	Backfat thickness
Farrowing area 1 - Farro...	101	500	101	0		0 mm
Farrowing area 1 - Farro...	102	500	102	0		0 mm
Farrowing area 1 - Farro...	103	500	103	0		0 mm
Farrowing area 1 - Farro...	104	500	104	0		0 mm
Farrowing area 1 - Farro...	105	500	105	0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm
Farrowing area 1 - Farro...		500		0		0 mm

Save Cancel

- a) Enter the sow number of the first animal and confirm by pressing the Enter key. The cursor automatically jumps into the next input field.

You may also use the arrow keys on your keyboard to jump from one input field to the next, for example if you want to leave a field empty and jump to the next one.

- b) Continue with your inputs as described above.

If the number of pens is higher than the number of animals you want to move in, leave the remaining pens empty.

- c) To delete a row from the list, select this row and press the Delete key.
- d) Click on "Save" after you have moved in all animals.

The system saves the moving-in process and finishes the task.

3.2 Moving animals using the context menu

1. Click on the "Sow Manager" tab.
2. Select one or more sows.
More information on multi-selection: see chapter 4.9.
3. Right-click into the marked area to open the context menu.
4. Click on "Add activity to sows" > "Move..."

Sow no	Location	State	Current parity	Days in state	Transponder no	Feed curve	Dem.
00002	Group pen		4	55	58900009	Sow feed curve	100
00003	Group pen		4	55	58900010	Sow feed curve	100
00004	Group pen		4	55	58900011	Sow feed curve	100
00005	Group pen				000012	Sow feed curve	100
00006	Group pen				000013	Sow feed curve	100
00007	Group pen				000014	Sow feed curve	100
00008	Group pen				000015	Sow feed curve	100
00009	Group pen				000016	Sow feed curve	100
00010	Group pen				000017	Sow feed curve	100
00011	Group pen				000018	Sow feed curve	100
00012	Group pen				000019	Sow feed curve	100
00013	Group pen	Pregnant			000021	Sow feed curve	100
00014	Group pen	Pregnant			000022	Sow feed curve	100
00015	Group pen	Pregnant			000023	Sow feed curve	100
00016	Group pen	Pregnant			000025	Sow feed curve	100
00018	Group pen	Pregnant			000026	Sow feed curve	100
00019	Group pen	Pregnant	4	55	58900026	Sow feed curve	100

5. In the next dialog window, mark the correct animals and select the destination. All other information is optional.

By default, all animals are selected in this dialog window. Click on one animal to de-select all other animals as well. More information on multi-selection: see chapter 4.9.

Sow move

Activity

Animals selected for move: Select all sows ☐

Sow no.	Parity	Feed curve	Completion date	Destination	Condition	Feeding group	Comment
00002	4	Sow feed ...	7/11/2018		Optimal		
00003	4	Sow feed ...	7/11/2018	Farrowing pen 1-1	Optimal		
00004	4	Sow feed ...	7/11/2018		Optimal		

Animal details: 1

Completion date: 7/11/2018

Destination: Farrowing pen 1-1

Condition: Optimal

Feeding group: Sow feed curve

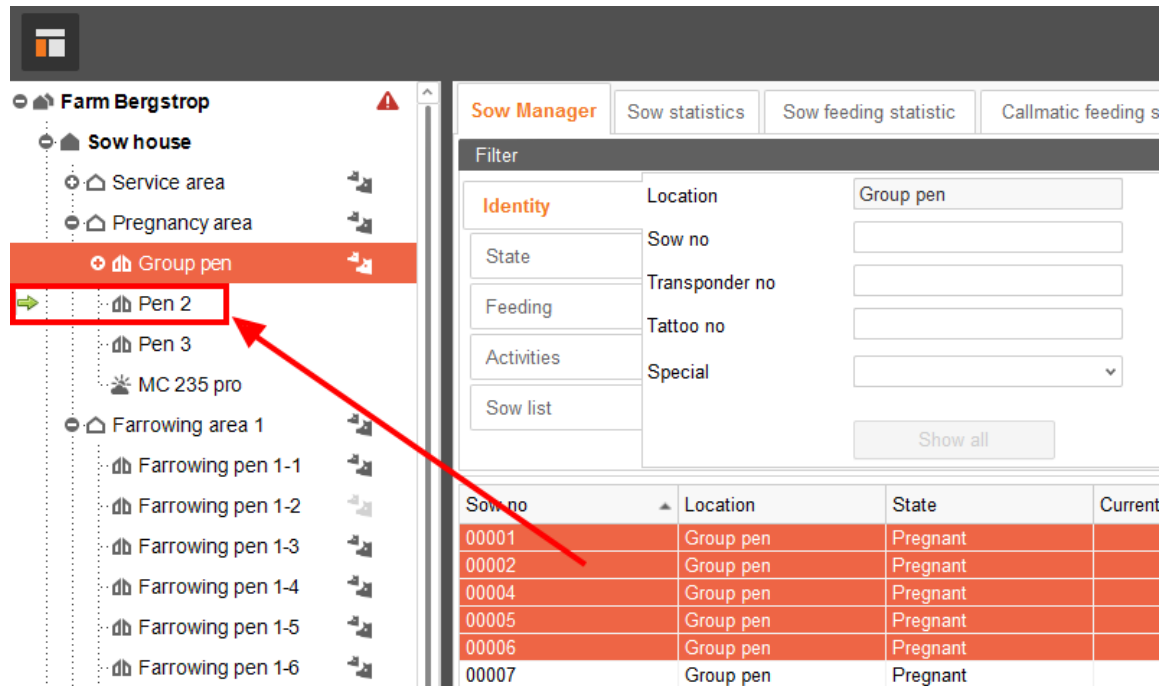
Save Cancel

6. Click on "Save" to accept the changes.

3.3 Moving animals using drag and drop

1. Select one or more sows.
2. Left-click into the marked area and hold the mouse button.
3. Drag the cursor to the required location in the farm structure.

The green arrow at the left-hand border of the window shows which location you are currently selecting as destination.



The screenshot shows the 'Sow Manager' interface. On the left, the 'Farm Bergstrop' structure is visible, with 'Sow house' expanded. Under 'Sow house', 'Group pen' is highlighted in orange, and 'Pen 2' is highlighted with a red box. A green arrow points to the left border of the window, indicating the current selection. On the right, the 'Sow Manager' tab is active, showing a filter section and a table of sows. A red arrow points from the 'Sow no' column of the table to 'Pen 2' in the farm structure.

Sow no	Location	State	Current
00001	Group pen	Pregnant	
00002	Group pen	Pregnant	
00004	Group pen	Pregnant	
00005	Group pen	Pregnant	
00006	Group pen	Pregnant	
00007	Group pen	Pregnant	

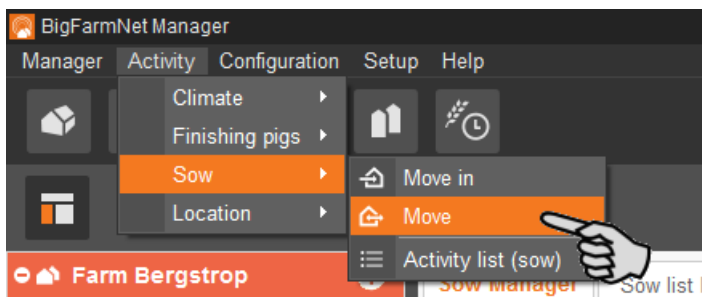
4. Release the mouse button. The animals are now automatically moved to their destination.



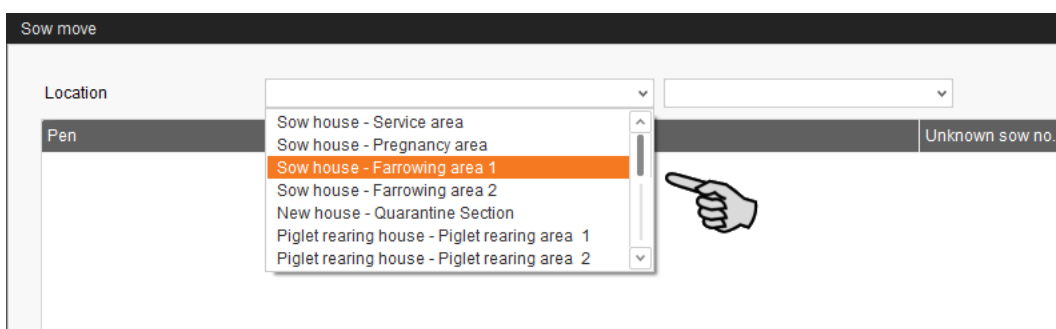
Remember to adjust the feed curve when moving animals, if required. Animals might receive feed from a different feeding system in the new location.

3.4 Moving animals according to the sow number

1. In the menu "Activity" > "Sow", click on "Move".



2. Under "Location", select the place to which you want to move the animals.



3. Enter the sow number of the animal into the row of the correct destination.

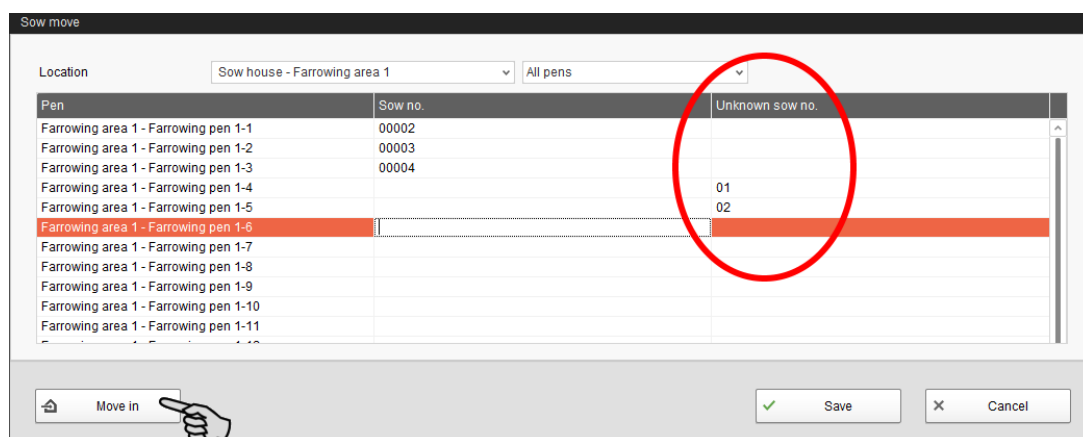
- If you know all sow numbers, click on "Save".

The moving process is finished.

- If one or more sow numbers are unknown, the system transfers the number into the row "Unknown sow no." and the "Move in" button is activated. You can immediately move these animals in now:

- a) Click on "Move in" in the lower command bar.

This opens the move-in dialog. The system shows the already selected destination.



- b) Define the feed curve and provide more information, such as the transponder number, if necessary.

As soon as you have filled the mandatory field **Feed curve**, the information under **Location** can be edited.

Move in sows

General

Move in date: 7/11/2018
 Total weight: 0.00 kg
 Animal count: 2
 Animal weight: 0.00 kg

Delivery

Supplier:
 Total costs: 0.00 \$
 Breed / Line:

Details

Condition: Not defined
Feed curve:
 Gilt: ☒ Gilt
 Breeder:
 Vaccination: ...
 Transponder prefix:

Location: Sow house - Farrowing area 1

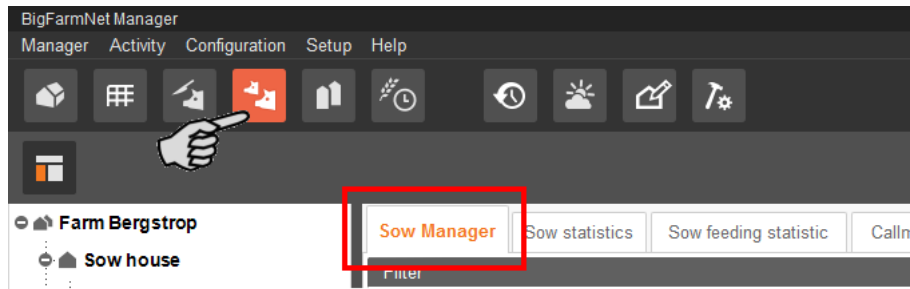
Pen	Sow no.	Transponder prefix	Transponder no.	Parity	Original sow no.	Backfat thickness
Farrowing area 1 - Farro...	01			0		0 mm
Farrowing area 1 - Farro...	02			0		0 mm

Save Cancel

- c) Click on "Save" to complete the moving-in process.
 The system returns to the moving dialog.
- d) Click on "Save" to finish the moving process.

4 Managing the sows

Open the Sow Manager by selecting the management area.



The tab of the same name, "Sow Manager", has the following structure:

The screenshot shows the Sow Manager interface. It includes a 'Filter' section with fields for 'Identify', 'State', 'Feeding', 'Activities', and 'Sow list'. A red circle highlights the '232 Sows' count in the top right corner. Below the filter is a table of sows with columns: Sow no, Location, State, Current parity, Valve lock, Days in st..., Transponder, Feed curve, Dem. rel, FM today, Feeding, and Feeding done. A red arrow points from the '00111' row in the table to the 'General' section below. The 'General' section contains fields for Sow no, Location, Orig. sow no., Transponder no., Tattoo no., Group no., Date of Birth, State, Reason, if empty, Breeder, Breed, Line, Sire, and Dam. A red circle highlights the '00111' Sow no field. A red circle highlights the '232 Sows' count in the top right corner. A red circle highlights the '00111' Sow no field in the General section.

Sow no	Location	State	Current parity	Valve lock	Days in st...	Transponder	Feed curve	Dem. rel	FM today	Feeding	Feeding done
00111	Farrowi...	Lactat...	3		4	58900118	Sow feed curve	100 %	3.0 kg	7/10/2018	64 %
00112	Farrowi...	Lactat...	3		4	58900119	Sow feed curve	100 %	3.0 kg	7/10/2018	58 %
00113	Farrowi...	Lactat...	3		4	58900120	Sow feed curve	100 %	3.0 kg	7/10/2018	42 %
00114	Farrowi...	Lactat...	3		4	58900121	Sow feed curve	100 %	3.0 kg	7/10/2018	52 %
00115	Farrowi...	Lactat...	3		4	58900122	Sow feed curve	100 %	3.0 kg	7/10/2018	61 %
00116	Farrowi...	Lactat...	3		4	58900123	Sow feed curve	100 %	3.0 kg	7/10/2018	35 %
00117	Farrowi...	Lactat...	3		4	58900124	Sow feed curve	100 %	3.0 kg	7/10/2018	64 %
00118	Farrowi...	Lactat...	3		4	58900125	Sow feed curve	100 %	3.0 kg	7/10/2018	61 %
00119	Farrowi...	Lactat...	3		4	58900126	Sow feed curve	100 %	3.0 kg	7/10/2018	41 %
00120	Farrowi...	Lactat...	3		4	58900127	Sow feed curve	100 %	3.0 kg	7/10/2018	50 %
00121	Group p...	Pregn...	3		90	58900128	Sow feed curve	100 %	4.0 kg	7/10/2018	54 %

1 = filters for finding sows; the search result is displayed in the upper right corner

2 = total sow stock or filtered sows

3 = information and editing options for the sow selected in the table

4.1 Filter functions

4.1.1 Filter "Location"

Click on the desired location (house, section or pen) in the farm structure to show the sows at this location in the table. The "Location" filter can be combined with all other filters.

The screenshot shows the BigFarmNet Manager interface. On the left, the 'Farm Bergstrop' tree structure is visible, with 'Farrowing area 2' selected. A red arrow points from this selection to the 'Location' filter field in the 'Sow Manager' tab. The filter fields include Identity, Location (set to 'Farrowing area 2'), State, Group no, Feeding, State (set to 'Lactating'), Days in state, and Sow list. Below the filters, a table displays sow data:

Sow no	Location	State	Current parity	Days in state	Transponder no
00091	Farrowing pen 2-1	Lactating	3	5	58900098
00092	Farrowing pen 2-2	Lactating	3	5	58900099

4.1.2 Filter "Identity"

Use the "Identity" filter area to search, for example, for sows with specific sow numbers, sows without transponder number or double transponder numbers.

You can search multiple sows with the **Sow no.** filter. Separate the respective sow numbers by a comma, e.g. 001, 005, 009.

The screenshot shows the 'Sow Manager' interface with the 'Identity' filter selected. A hand icon points to the 'Sow no' field. Below the filter fields, a dropdown menu is open, showing options: 'Without sow number', 'Without transponder number', 'Duplicate sow number', 'Duplicate transponder number', 'Duplicate sow number and parity zero', and 'Inconsistent sows'. A hand icon points to the 'Without sow number' option. Below the filters, a table displays sow data:

Sow no	Location	State	Current parity	Days in state	Transponder no
00001	Group pen	Pregnant			
00002	Group pen	Pregnant			

4.1.3 Filter "State"

Use the "State" filter area to search sows in a specific state. You can narrow the search further by using the **Group no.** and the **Days in state.**

You can select multiple sows with the **State** filter.

Sow Manager | Sow list location based | Sow statistics | Feeding review | Treatm

Filter

Identify | Location: Farm Bergstrop

State | Group no: 2

Feeding | State: Inseminated, Pregnant

Activities | Days in state: [dropdown]

Sow list

to

Empty
☒ Inseminated
☒ Pregnant
☐ Lactating
☐ Moved out
☐ Dead

4.1.4 Filter "Feeding"

Use the "Feeding" filter area to search for sows based on their eating behaviour. Narrow the result by combining filters.

If you want to search for the sow's weight under **Type**, enter an approximate value for the weight.

Sow Manager | Sow list location based | Sow statistics | Feeding review | Treatment overview | Sow feeding statistic | Callma

Filter

Identify | Location: Farm Bergstrop

State | Group no: 8

Feeding | Feeding group: [dropdown]

Activities | Feed curve: Sow feed curve x

Sow list | Type: Sow weight less than

Weight: 0.00 kg

Not fed two days ago
 Not fed three days ago
 Has not eaten for one day
 Has not eaten for two days
 Has not eaten for three days or more
☒ Sow weight less than
☐ Sow weight greater than

Sow no	Location	State	Feed curve	Dem.rel	FM today	Feeding day

4.1.5 Filter "Activities"

Use the "Activity" filter area to search sows for which an activity such as heat detection, insemination or farrowing has been saved. Narrow the search by selecting a time period under **Interval**. Define the period individually by selecting "From - Until".

The screenshot shows the 'Sow Manager' interface with the 'Filter' section expanded. The 'Activities' filter is selected, and the 'Interval' dropdown is open, showing options like 'From - Until', 'Since yesterday', 'Within three days', 'Within a week', 'Within two weeks', 'Within a month', 'Within three months', and 'From - Until'. A hand icon points to the 'From - Until' option. The 'From - Until' option is highlighted in orange. The 'Interval' dropdown is set to 'From - Until', and the dates '7/10/2018' and '7/10/2018' are selected. The 'Sow list' button is also visible, with a hand icon pointing to it.

4.1.6 Creating a sow list

Use the filter area "Sow list" to create an individual list based on different search results if one filter is not sufficient to find all required sows.



The sow list expires when the BigFarmNet Manager is closed.

1. Mark the sows you want to add to the sow list after filtering.
More information on multi-selection: see chapter 4.9 "Editing multiple sows".
2. Press the space bar on your keyboard. The sows are then automatically added to the sow list.

OR:

Right-click into the marked area and select "Add to selection list" from the context menu.

Filter

Identity

State

Feeding

Activities

Sow list

Location

Group no

State

Days in state

to

Show all

Farm Bergstrop

Sow no	Location	State	Current parity	Days in state	Transponder no
00016	Group pen	Pregnant	4	25	58900023
00018	Group pen	Pregnant	4	25	58900025
00019	Group pen	Pregnant	4	25	58900026
00020	Group pen	Pregnant	4	25	58900027
00021	Group pen	Pregnant	4	25	58900028
00022	Group pen		4	25	58900029
00023	Group pen		4	25	58900030
00024	Group pen		4	25	58900031
00025	Group pen		4	25	58900032
00026	Group pen		4	25	58900033
00027	Group pen		4	25	58900034
00028	Group pen		4	25	58900035
00029	Group pen		4	25	58900036
00030	Group pen	Pregnant	4	25	58900037

3. If you click on the filter area "Sow list", you will find that the sows selected before have now been added to the sow list.

In this list, you can continue to mark and edit sows.

Filter

Identity

State

Feeding

Activities

Sow list

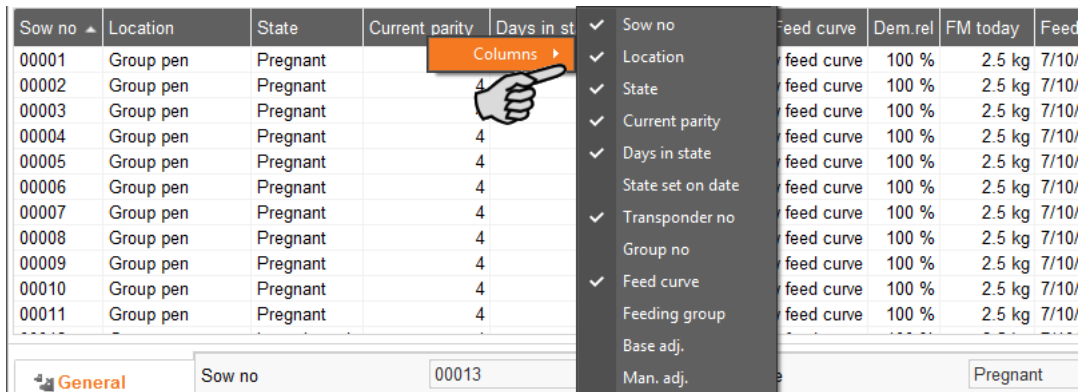
Sow no	Location	State	Current parity	Days in state	Transponder no
00018	Group pen	Pregnant	4	25	58900025
00019	Group pen	Pregnant	4	25	58900026
00020	Group pen	Pregnant	4	25	58900027
00021	Group pen	Pregnant	4	25	58900028

4.2 Parameters in the table

4.2.1 Adjusting views

You may adjust the table view as follows:

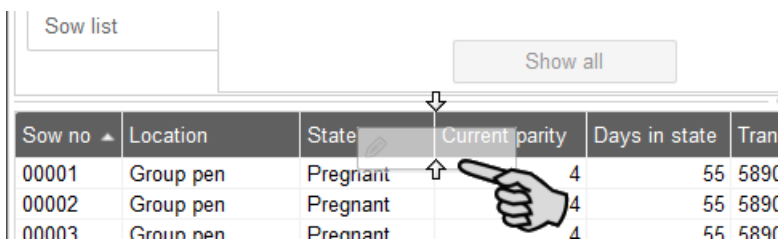
- **Hiding and showing columns:**
 - a) Right-click into the head line to open the context menu with all parameters.
 - b) Select or de-select parameters to hide and show the respective columns.



Sow no	Location	State	Current parity	Days in state	Feed curve	Dem.rel	FM today	Feed
00001	Group pen	Pregnant	4					
00002	Group pen	Pregnant	4					
00003	Group pen	Pregnant	4					
00004	Group pen	Pregnant	4					
00005	Group pen	Pregnant	4					
00006	Group pen	Pregnant	4					
00007	Group pen	Pregnant	4					
00008	Group pen	Pregnant	4					
00009	Group pen	Pregnant	4					
00010	Group pen	Pregnant	4					
00011	Group pen	Pregnant	4					

- **Rearranging columns:**
 - a) Click into the head line of the respective column and hold the mouse button.
 - b) Drag the column to the desired position.

The arrows showing up at the head line when you move the columns help you with assigning the new position.



Sow no	Location	State	Current parity	Days in state	Tran
00001	Group pen	Pregnant	4	55	5890
00002	Group pen	Pregnant	4	55	5890
00003	Group pen	Pregnant	4	55	5890

- c) Release the mouse button.

The column is now at its new position.

- **Sorting data:**

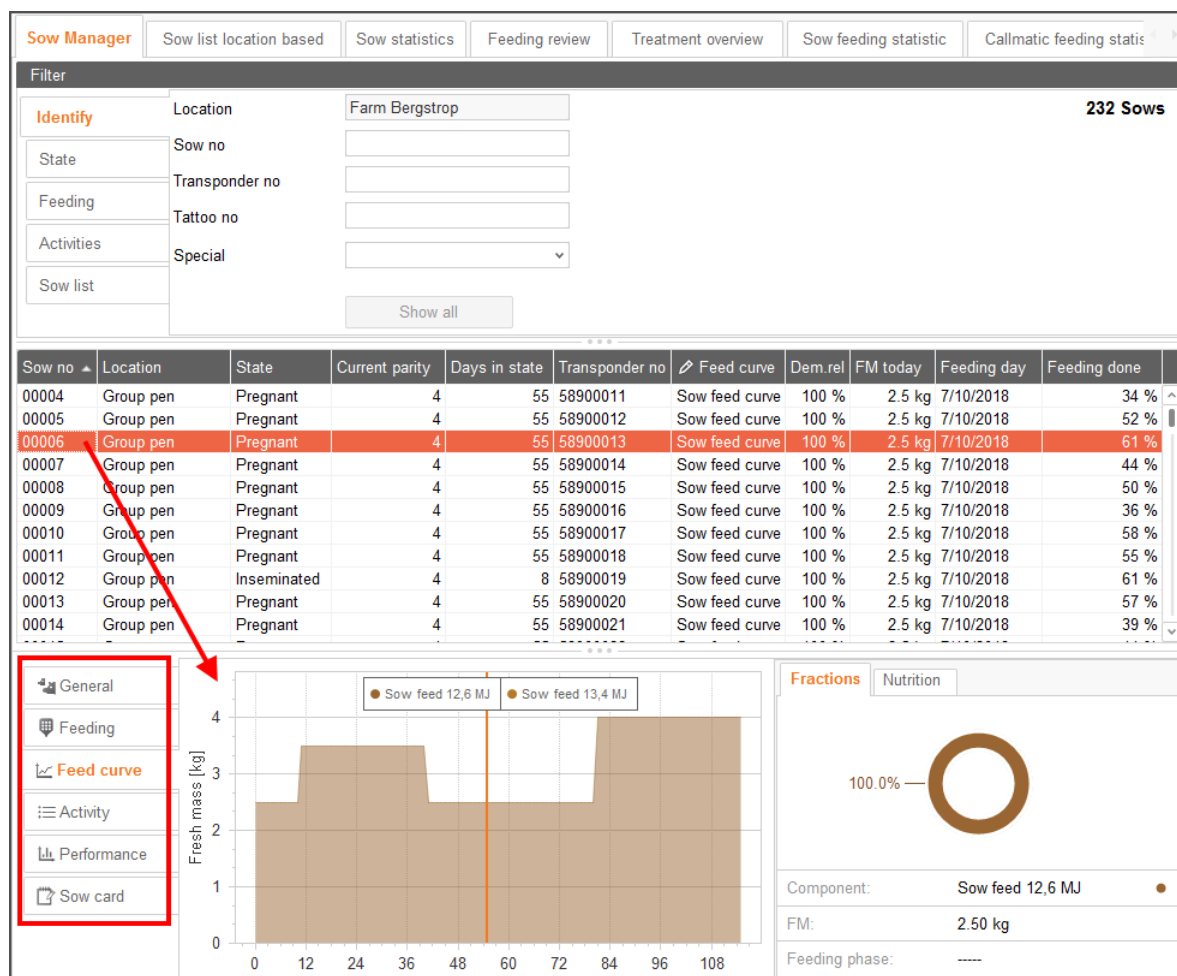
Click on the respective parameter in the head line to sort the animals in ascending or descending order according to the given values.

4.2.2 Parameter definition

- **State:** Current state of the sow.
- **Current parity:** The sow's current farrowing interval.
- **Days in state:** Number of days in the current state.
- **State set on date:** Date on which the state was last changed.
- **Transponder no.**
- **Feed curve:** Currently used feed curve.
- **Feeding group:** The sow is managed based on the defined feeding group.
- **Base adj.:** This value indicates the constant feed adjustment.
- **Man. adj.:** This value indicates the manual feed adjustment valid for the current day, see chapter 4.4 "Editing the feeding settings".
- **Auto. adj.:** This value indicates the feed adjustment calculated with the eating time correction. This only applies to sensor feeding.
- **Dem. rel:** This value provides an overview of the entire feed adjustment. It is calculated by multiplying "base adj.", "auto. adj." and "man. adj.".
- **FM today:** This value shows the total daily amount of fresh matter; including added water for liquid feeding systems.
- **DM:** This value indicates the daily amount of pure dry matter per animal.
- **DM 88%:** This value indicates the daily amount of feed per animal containing 88 % of dry matter.
 - For dry feeding systems, this means that the value DM 88% and FM are identical.
 - For liquid feeding systems, the DM 88% value shows the amount of dry feed without considering the pure share of dry matter. The DM value indicates the entire dry feed / water mixture.
- **Energy:** Daily amount of energy that results from the feed amount in kg.
- **Feeding day:** As the day change does not have to take place at 00:00, the feeding day may differ from the current date.
- **Feeding done:** This value indicates the percentage of the daily feed amount that has already been dispensed.
- **Start factor:** This value indicates the start factor for manual feed adjustment.
- **Fade duration:** This value indicates the time period during which manual feed adjustment should be applied.

- **Start date:** Start of manual feed adjustment.
- **Remaining time:** Remaining time of manual feed adjustment.
- **Constant factor:** A checked box ☒ indicates that feed is adjusted with constant factor.
- **Valve lock:**
 - To lock the valve immediately and completely, enter X.
 - To lock following feeding times, enter the corresponding quantity as negative value. For example: -3 means that the valve will be locked for the next three feeding times.
 - To lock following feeding days, enter the corresponding quantity as positive value. For example: +2 means that the valve will be locked for the next 2 feeding days.

If you select a sow, the lower part of the application window contains information on the following topics:



- General, see chapter 4.3
- Feeding, see chapter 4.4

- Feed curve, only as a view without options for editing
- Activity, see chapter 4.5
- Performance, see chapter 4.6
- Sow card, see chapter 4.7

4.3 Editing general sow data

1. Click on the "Sow Manager" tab and filter the correct sow, if necessary.
2. Click on the sow in the table to mark it.
3. Right-click into the marked area to open the context menu and click on "Edit SOWS..."

Sow no ▲	Location	State	Current parity	Days in state	Transponder
00006	Group pen		4	55	58900013
00007	Group pen		4	55	58900014
00008	Group pen		4	55	58900015
00009	Group pen		4	55	58900016
00010	Group pen		4	55	58900017
00011	Group pen		4	55	58900018
00012	Group pen		4	8	58900019
00013	Group pen		4	55	58900020
00014	Group pen		4	55	58900021
00015	Group pen		4	55	58900022
00016	Group pen		4	55	58900023

OR:

Under "General", click on "Edit".

Sow Manager | Sow list location based | Sow statistics | Feeding review | Treatment overview | Sow feeding statistic | Callmatic feeding statis

Filter

Identify Location **232 Sows**

State Group no

Feeding Activity type

Interval

Activities

Sow list

Sow no	Location	State	Current parity	Transponder no	Feed curve	Dem.rel	FM today	Feeding day	Feeding done
00005	Group pen	Pregnant	4	58900012	Sow feed curve	100 %	2.5 kg	7/10/2018	52 %
00006	Group pen	Pregnant	4	58900013	Sow feed curve	100 %	2.5 kg	7/10/2018	61 %
00007	Group pen	Pregnant	4	58900014	Sow feed curve	100 %	2.5 kg	7/10/2018	44 %
00008	Group pen	Pregnant	4	58900015	Sow feed curve	100 %	2.5 kg	7/10/2018	50 %
00009	Group pen	Pregnant	4	58900016	Sow feed curve	100 %	2.5 kg	7/10/2018	36 %
00010	Group pen	Pregnant	4	58900017	Sow feed curve	100 %	2.5 kg	7/10/2018	58 %
00011	Group pen	Pregnant	4	58900018	Sow feed curve	100 %	2.5 kg	7/10/2018	55 %
00012	Group pen	Pregnant	4	58900019	Sow feed curve	100 %	2.5 kg	7/10/2018	61 %
00013	Group pen	Pregnant	4	58900020	Sow feed curve	100 %	2.5 kg	7/10/2018	57 %
00014	Group pen	Pregnant	4	58900021	Sow feed curve	100 %	2.5 kg	7/10/2018	39 %
00015	Group pen	Pregnant	4	58900022	Sow feed curve	100 %	2.5 kg	7/10/2018	41 %

General | Feeding | Feed curve | Activity | Performance | Sow card

Sow no State

Location Reason, if empty

Orig. sow no.

Transponder no Breeder

Tattoo no

Breed

Group no. Line

Date of Birth Sire

Dam

4. Change the data as required in the next dialog window.
5. Click on "OK" to accept the changes.

4.4 Editing the feeding settings

1. Click on the "Sow Manager" tab and filter the correct sow, if necessary.
2. Click on the sow in the table to mark it.
3. Right-click into the marked area to open the context menu and click on "Modify feeding data".

Sow no	Location	State	Current parity	Days in state	Transponder
00006	Group pen		4	55	58900013
00007	Group pen		4	55	58900014
00008	Group pen		4	55	58900015
00009	Group pen		4	55	58900016
00010	Group pen		4	55	58900017
00011	Group pen		4	55	58900018
00012	Group pen		4	8	58900019
00013	Group pen		4	55	58900020
00014	Group pen		4	55	58900021
00015	Group pen		4	55	58900022
00016	Group pen		4	55	58900023

OR:

Under "Feeding", click on "Edit".

Sow Manager

Sow list location based

Sow statistics

Feeding review

Treatment overview

Sow feeding statistic

Callmatic feeding statistic

Filter

Identify

Location

Farm Bergstrop

232 Sows

State

Group no

Feeding

Activity type

Interval

Activities

Sow list

Show all

Sow no	Location	State	Current parity	Transponder no	Feed curve	Dem.rel	FM today	Feeding day	Feeding done
00005	Group pen	Pregnant	4	58900012	Sow feed curve	100 %	2.5 kg	7/10/2018	52 %
00006	Group pen	Pregnant	4	58900013	Sow feed curve	100 %	2.5 kg	7/10/2018	61 %
00007	Group pen	Pregnant	4	58900014	Sow feed curve	100 %	2.5 kg	7/10/2018	44 %
00008	Group pen	Pregnant	4	58900015	Sow feed curve	100 %	2.5 kg	7/10/2018	50 %
00009	Group pen	Pregnant	4	58900016	Sow feed curve	100 %	2.5 kg	7/10/2018	36 %
00010	Group pen	Pregnant	4	58900017	Sow feed curve	100 %	2.5 kg	7/10/2018	58 %
00011	Group pen	Pregnant	4	58900018	Sow feed curve	100 %	2.5 kg	7/10/2018	55 %
00012	Group pen	Pregnant	4	58900019	Sow feed curve	100 %	2.5 kg	7/10/2018	61 %
00013	Group pen	Pregnant	4	58900020	Sow feed curve	100 %	2.5 kg	7/10/2018	57 %
00014	Group pen	Pregnant	4	58900021	Sow feed curve	100 %	2.5 kg	7/10/2018	39 %
00015	Group pen	Pregnant	4	58900022	Sow feed curve	100 %	2.5 kg	7/10/2018	41 %

General

Feed curve

Sow feed curve

Fed today

1.8 kg

Feeding group

Feed allowed

2.5 kg

Individual eating speed

☐

Current adjustment

100 %

Auto adjustment

100 %

Base adjustment

100 %

Feed adjustment

100.0 %

Weight

97.46 kg

Condition

Optimal

Valve lock

Edit

4. Change the data as required in the next dialog window.

Sow feeding data

Feeding data

Animals selected for update: Select all sows ☒

Sow no. ▲	Parity	Feed curve	Feeding ...	Use eati...	Eating s...	Weight	Backfat	Base adj...	Adj. start...	Adj. start...	Adj. dura...	Adj.
00006	4	Sow feed...		☐	24 s/100g	97.46 kg	0 mm	100 %	100 %	1/1/1970	1	

Animal details: 1

Feed curve: Sow feed curve ▼
Feeding group:
Use eating speed: ☐

Weight: 97.46 kg
Backfat: 0 mm
Valve lock:

Base adjustment: 100 %
Adj Start Factor: 100 %
Adj Start Date: 1/1/1970 ▼
Adj Duration (in days): 1 ▲▼
Adj Factor is Constant: ☐

Remove Save Cancel

Manual adjustment

Use the manual adjustment function for corrections to the feed amount, for example by increasing it for a specific time period.

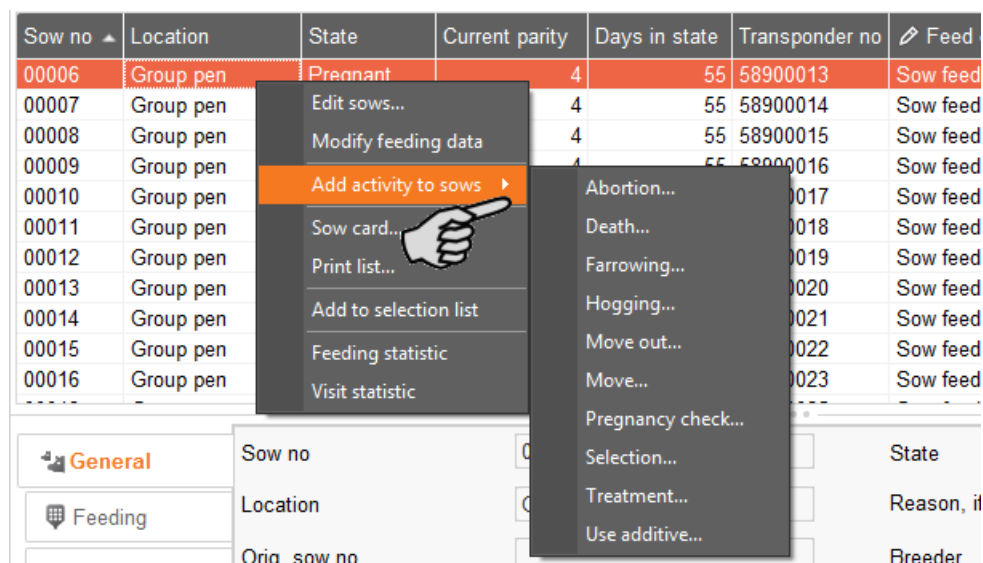
- **Base adjustment:**
- **Adjustment start factor:** Defines by how much (percentage) the daily feed ration should be increased. If you enter 120 %, the animals receive 20 % more feed than pre-set by the feed curve, starting from the date entered as starting date.
- **Adjustment duration (in days):** The number of days for which the animals are to receive an increased amount of feed. If the parameter "Constant factor" is not active, the increased feed amount percentage is reduced day by day until the animals receive the standard quantity defined in the feed curve.
- **Adjustment start date:** Start of the increased feed amount
- **Adjustment factor is constant / Constant factor:** The specification made under "Start factor" is observed constantly for the number of days given under "Adjustment duration". This means that the animals will receive an increased amount of feed for a specific time period.

5. Click on "Save" to accept the changes.

4.5 Editing activities

1. Click on the "Sow Manager" tab and filter the correct sow, if necessary.
2. Click on the sow in the table to mark it.
3. Right-click into the marked area to open the context menu and click on the correct activity under "Add activity to sows".

Only activities that are possible considering the sow's current state are displayed. For example, a lactating sow cannot be inseminated.



OR:

Click on "Activity".

A chronological list of all available activities of the selected sow is displayed. A pane on the right shows more information if you select an activity.

Sow Manager | Sow list location based | Sow statistics | Feeding review | Treatment overview | Sow feeding statistic | Callmatic feeding statistic

Filter

Identify: Location: Farm Bergstrop **232 Sows**

State: Group no:

Feeding: Activity type:

Interval:

Activities

Sow list

Show all

Sow no	Location	State	Current parity	Transponder no	Feed curve	Dem.rel	FM today	Feeding day	Feeding done
00005	Group pen	Pregnant	4	58900012	Sow feed curve	100 %	2.5 kg	7/10/2018	52 %
00006	Group pen	Pregnant	4	58900013	Sow feed curve	100 %	2.5 kg	7/10/2018	61 %
00007	Group pen	Pregnant	4	58900014	Sow feed curve	100 %	2.5 kg	7/10/2018	44 %
00008	Group pen	Pregnant	4	58900015	Sow feed curve	100 %	2.5 kg	7/10/2018	50 %
00009	Group pen	Pregnant	4	58900016	Sow feed curve	100 %	2.5 kg	7/10/2018	36 %
00010	Group pen	Pregnant	4	58900017	Sow feed curve	100 %	2.5 kg	7/10/2018	58 %
00011	Group pen	Pregnant	4	58900018	Sow feed curve	100 %	2.5 kg	7/10/2018	55 %
00012	Group pen	Pregnant	4	58900019	Sow feed curve	100 %	2.5 kg	7/10/2018	61 %
00013	Group pen	Pregnant	4	58900020	Sow feed curve	100 %	2.5 kg	7/10/2018	57 %
00014	Group pen	Pregnant	4	58900021	Sow feed curve	100 %	2.5 kg	7/10/2018	39 %
00015	Group pen	Pregnant	4	58900022	Sow feed curve	100 %	2.5 kg	7/10/2018	41 %

General | Date: 6/25/2018 | Type: Treatment (Manual) | Registered: ✓ | Description: Medication: 4

Feeding | 6/17/2018 | Pregnancy check | Registered: ✓

Feed curve | 5/17/2018 | Insemination | Registered: ✓

Activity | 5/11/2018 | Weaning | Registered: ✓

Performance | 4/27/2018 | Dead piglets | Registered: ✓

Sow card | 4/13/2018 | Farrowing | Registered: ✓

12/20/2018 | Pregnancy check | Registered: ✓

12/20/2017 | Insemination | Registered: ✓

12/14/2017 | Weaning | Registered: ✓

11/30/2017 | Dead piglets | Registered: ✓

+ Add | Edit | - Remove

- You may also set a filter so only specific activities show up in the list.

General | Date: 6/25/2018 | Type: Treatment (Manual) | Registered: ✓ | Description: Medication: 4

Feeding | 6/17/2018 | Pregnancy check | Registered: ✓

Feed curve | 5/17/2018 | Insemination | Registered: ✓

Activity | 5/11/2018 | Weaning | Registered: ✓

Performance | 4/27/2018 | Dead piglets | Registered: ✓

Sow card | 4/13/2018 | Farrowing | Registered: ✓

12/20/2018 | Pregnancy check | Registered: ✓

12/20/2017 | Insemination | Registered: ✓

12/14/2017 | Weaning | Registered: ✓

11/30/2017 | Dead piglets | Registered: ✓

+ Add | Edit | - Remove

Filter

(Select All)

☐ Dead piglets

☒ Farrowing

☐ Insemination

☐ Move in

☐ Pregnancy check

☐ Treatment (Manual)

☒ Weaning

OK | Cancel

- You may edit or delete existing activities.
- You may add new activities.

4.5.1 Treating animals

You may choose between two different types of treatment for your animals:

- **Manual treatment** = vaccinate or administer medication using syringes; the treatment can be documented subsequently.
- **Medical treatment** = the system administers additives through the feed; define previously planned treatments.



A medical treatment **cannot** be deleted later under "Activity".

Manual treatment

1. Click on the "Sow Manager" tab.
2. Select one or more sows.
More information on multi-selection: see chapter 4.9.
3. Right-click into the marked area to open the context menu.
4. Click on "Add activity to sows" > "Treatment...".

Sow no	Location	State	Current parity	Days in state
00031	Crate stand 30	Served	4	32
00032	Crate stand 31		4	32
00033	Crate stand 32			32
00035	Crate stand 34			32
00036	Crate stand 35			32
00037	Crate stand 36			32
00038	Crate stand 37			32
00039	Crate stand 38			32
00040	Crate stand 39			32
00041	Crate stand 40			32
00042	Crate stand 41	Served		32
00043	Crate stand 42	Served		32
00044	Crate stand 43	Served		32
00045	Crate stand 44	Served		32

- Modify sows...
- Add activity to sows ▶
- Sow card...
- Print list...
- Add to selection list
- Feeding statistic
- Visit statistic

- Abortion...
- Death...
- Farrowing...
- Move out...
- Move...
- Pregnancy diagnosis...
- Separation...

- Treatment...
- Use additive...



5. Select "Manual treatment" in the next dialog window and click on "Next".

Medicate animals

Select medical treatment

☒ **Manual treatment**
You have performed or will perform the treatment yourself

☐ **Medical treatment task**
You want to specify a treatment task for your equipment to perform

6. In the next dialog window, define either identical treatment details for all sows or individual details for each sow.

- **Start date** = date of administration; backdating is possible
- **Type** = vaccination or medical treatment
- **Vaccination** or **Medicine** = information on the drug or vaccine, depending on the type
- **Dosage** = amount of the applied drug or vaccine

Bold parameters are mandatory. All other information is optional.

Medicate animals

Medication

Animals selected for treatment Select all ☒

Sow no.	Completion date	Vaccination	Medication	Dosage	Treatment days	Waiting time	Route type	T
00031	1/5/2016			0	0	0		☐
00032	1/5/2016			0	0	0		☐
00033	1/5/2016			0	0	0		☐

Animal details: 3 animals

Start date **Dosage** **Route type**

Type **Treatment days** Day(s) **Treatment reason** ☐ Routine ☒ Disease

Medication **Waiting time** Day(s) **Treatment**

Charge number **Veterinary** **Comment**

Document number **Technician**

7. Click on "Save" after you have configured treatment details for all sows.

Medical treatment

1. Click on the "Sow Manager" tab.
2. Select one or more sows.

More information on multi-selection: see chapter 4.9.

3. Right-click into the marked area to open the context menu.
4. Click on "Add activity to sows" > "Treatment..."

Sow no	Location	State	Current parity	Days in state	Transponder no	Fe
00028	Group pen	Pregnant	4	35	58900035	Sow fe
00029	Group pen		4	35	58900036	Sow fe
00030	Group pen				00037	Sow fe
00031	Crate stand 30				00038	Sow fe
00032	Crate stand 31				00039	Sow fe
00033	Crate stand 32				00040	Sow fe
00035	Crate stand 34				00042	Sow fe
00036	Crate stand 35				00043	Sow fe
00037	Crate stand 36				00044	Sow fe
00038	Crate stand 37				00045	Sow fe
00039	Crate stand 38	Served			00046	Sow fe
00040	Crate stand 39	Served			00047	Sow fe
00041	Crate stand 40	Served			00048	Sow fe
00042	Crate stand 41	Served			00049	Sow fe

5. Select "Medical treatment task" in the next dialog window and click on "Next".

Medicate animals

Select medical treatment

☐ Manual treatment
You have performed or will perform the treatment yourself

☒ Medical treatment task
You want to specify a treatment task for your equipment to perform

Next
Cancel

6. Activate the injection points.

The displayed injection points differ based on the feeding system. The respective mineral dosing units, valves and circuits can also be selected under "Medicator".

Example in the screenshot: Callmatic right and Callmatic left. Both injection points are activated because the sows selected for treatment might use both stations.

	Injection point	Medicator	Potential no. of target animals	Target animals treated
☒	Callmatic left	Mineral dosing unit	3	3
☒	Callmatic right	Mineral dosing unit	3	3



Medical treatment is only possible for sows from **one** location. If you have selected sows from different locations, use the injection point to define which sows should be treated. As soon as you have selected one injection point, the injection points of the other locations are no longer available for selection.

Depending on the injection point, the sows are divided into four color categories indicating their treatment state:

- 4 All sows selected for treatment.
- 4 Sows that are treated via the selected injection point.
- 0 Sows that are not treated via the selected injection point.

You may add these sows to the sow list by checking the box "Add animals not medicated to sow list". Start the activity "Treatment" for these sows again in the sow list as described above (4.1.6 "Creating a sow list").

- 0 Sows that were not selected for treatment but will receive treatment. These sows are in the same location as the sows to be treated, but the injection point cannot single out individual animals.

Animals to be treated by the injection points

Sow no.	Location	Completion date	Medication	Dosage	Treatment days	Waiting time	Route type
Treated animals							
00028	Sow house Preg...	2/17/2016		0	0	0	
00029	Sow house Preg...	2/17/2016		0	0	0	
00030	Sow house Preg...	2/17/2016		0	0	0	
Animals not treated by injection points							
00031	Sow house Serv...	-	-	-	-	-	-
00032	Sow house Serv...	-	-	-	-	-	-
00033	Sow house Serv...	-	-	-	-	-	-

☒ Add animals not medicated to Sow List

6

Selected animals

3

Treated animals

3

Animals not medicated

0

Additional treated animals

7. Click on "Next".
8. Fill in the following mandatory information under the next tab:
 - **Start date** = date of administration; backdating is possible
 - **Type** = pre-defined as medical treatment; no changes possible
 - **Medicine** = information on the drugs
 - **Dosage** = amount of the applied drug

All other information is optional.

Medicate animals

Injection Medication: Callmatic left and Callmatic right

Animals selected for treatment Select all ☒

Sow no.	Completion date	Medication	Dosage	Treatment days	Waiting time	Route type	Treatment reason	Tre
00028	2/17/2016		0	0	0		Disease	
00029	2/17/2016		0	0	0		Disease	
00030	2/17/2016		0	0	0		Disease	

Animal details: 3 animals

Start date

Type

Medication

Charge number

Document number

Dosage

Treatment days Day(s)

Waiting time Day(s)

Veterinary

Technician

Route type

Treatment reason ☐ Routine ☒ Disease

Treatment

Comment

9. Click on "Save" to save the treatment you have created.

Treatment information

- If you open a treatment for a sow under "Activity" to edit it, the dialog window displays all sows affected by the treatment.

Sow no	Location	State	Current parity	Days in state	Transponder no
00028	Group pen	Pregnant	4	35	58900035
00029	Group pen	Pregnant	4	35	58900036
00030	Group pen	Pregnant	4	35	58900037
00031	Crate stand 30	Served	4	38	58900038
00032	Crate stand 31	Served	4	38	58900039

General	Date	Type	Registered
Feeding	2/18/2016	Treatment	!
Activity	1/13/2016	Pregnancy Diagnosis	✓
Performance	12/13/2015	Insemination	✓
Sow card	12/7/2015	Weaning	✓
	11/23/2015	Dead piglets	✓
	11/9/2015	Farrowing	✓
	8/18/2015	Pregnancy Diagnosis	✓
	7/18/2015	Insemination	✓

- The treatment type "Medical treatment" is considered completed when the system has dispensed the medicine on the **start date**. The icon under "Registered" then switches from  to .

Sow no	Location	State	Current parity	Days in state	Transponder no
00028	Group pen	Pregnant	4	35	58900035
00029	Group pen	Pregnant	4	35	58900036
00030	Group pen	Pregnant	4	35	58900037
00031	Crate stand 30	Served	4	38	58900038
00032	Crate stand 31	Served	4	38	58900039

General	Date	Type	Registered
Feeding	2/18/2016	Treatment	!
Activity	1/13/2016	Pregnancy Diagnosis	✓
Performance	12/13/2015	Insemination	✓
Sow card	12/7/2015	Weaning	✓
	11/23/2015	Dead piglets	✓
	11/9/2015	Farrowing	✓
	8/18/2015	Pregnancy Diagnosis	✓
	7/18/2015	Insemination	✓

4.5.2 Changing the gestation day

To change a sow's gestation day, delete the last insemination as well as all other subsequent activities, if applicable.

1. Filter and select the correct sow in the table.
2. Delete all activities under "Activity" one after another, starting with the current and up to the last insemination.

After you have deleted the last insemination, the sow's state changes to "Empty" and you can enter a new insemination.



If you need to remove a location change, remember to check the current location of the sow and to correct it by entering an additional move, if necessary.

Sow no ▲	Location	State	Current parity	Transponder no	Feed curve	Dem.rel	FM today	Feeding day
00010	Group pen	Pregnant	4	58900017	Sow feed curve	100 %	2.5 kg	7/10/2018
00011	Group pen	Pregnant	4	58900018	Sow feed curve	100 %	2.5 kg	7/10/2018
00012	Group pen	Pregnant	4	58900019	Sow feed curve	100 %	2.5 kg	7/10/2018
00013	Group pen	Pregnant	4	58900020	Sow feed curve	100 %	2.5 kg	7/10/2018
00014	Group pen	Pregnant	4	58900021	Sow feed curve	100 %	2.5 kg	7/10/2018
00015	Group pen	Pregnant	4	58900022	Sow feed curve	100 %	2.5 kg	7/10/2018
00016	Group pen	Pregnant	4	58900023	Sow feed curve	100 %	2.5 kg	7/10/2018
00018	Group pen	Pregnant	4	58900025	Sow feed curve	100 %	2.5 kg	7/10/2018
00019	Group pen	Pregnant	4	58900026	Sow feed curve	100 %	2.5 kg	7/10/2018
00020	Group pen	Pregnant	4	58900027	Sow feed curve	100 %	2.5 kg	7/10/2018
00021	Group pen	Pregnant	4	58900028	Sow feed curve	100 %	2.5 kg	7/10/2018

General	Date ▼	Type	Registered	Desc
Feeding	6/25/2018	Treatment (Manual)	✓	Medic 4
Feed curve	6/17/2018	Pregnancy check	✓	Treatn Medic
Activity	5/17/2018	Insemination	✓	Dosag 2
Perform	5/11/2018	Weaning	✓	Route Via fe
Sow card	4/27/2018	Dead piglets	✓	
	4/13/2018	Farrowing	✓	
	1/20/2018	Pregnancy check	✓	
	12/20/2017	Insemination	✓	
	12/14/2017	Weaning	✓	
	11/30/2017	Dead piglets	✓	

3. Create a new insemination by clicking on "Add".
4. Define all necessary information in the insemination dialog window.

Define the sow's current gestation day by entering the "Completion date" of the insemination.

Sow insemination

Activity

Animals selected for insemination: Select all sows ☒

Sow no. ▲	Parity	Group no	Feed curve	Completi...	Type	Technici...	Technici...	Heat co...	Insemina...	Semen 1	Semen 2	Boa
00012	3	1	Sow feed...	7/11/2018	Artificial							

Animal details: 1

Completion date: Semen 1: Comment:

Type: Number 1:

Technicians: Semen 2: Number 2:

Heat comment:

Insemination comment:

Sow master data

Condition: Feed curve: Group no:

5. Click on "Save" to confirm the inputs.

The sow's state changes to "Inseminated" and the correct number of gestation days is displayed under "Days in state".

Sow no. ▲	Location	State	Current parity	Days in state	Transpond...	
00011	Group pen	Pregnant	4	55	58900018	Sow
00012	Group pen	Inseminated	4	8	58900019	Sow
00013	Group pen	Pregnant	4	55	58900020	Sow
00014	Group pen	Pregnant	4	55	58900021	Sow
00015	Group pen	Pregnant	4	55	58900022	Sow

4.5.3 Deleting sows

To delete a sow permanently from the system, move out the sow or declare it dead first. Filter all moved-out or dead sows in the next step to delete them permanently.



Sows which were deleted permanently cannot be "revived" in the system, chapter 4.5.4 "Reviving" sows".

1. Select one or more sows.
2. Right-click to open the context menu. Under "Add activity to sows", click on "Move out..." (or "Death...").

Sow no	Location	State	Current parity	Days in state	Transpond...	Feed curve	Dem.rel
00001	Group pen	Pregnant	4	55	58900008	Sow feed curve	100 %
00002	Group pen	Pregnant	4	55	58900009	Sow feed curve	100 %
00003	Group pen	Pregnant	4	55	58900010	Sow feed curve	100 %
00004	Group pen	Pregnant	4	55	58900011	Sow feed curve	100 %
00005	Group pen	Pregnant	4	55	58900012	Sow feed curve	100 %
00006	Group pen	Pregnant	4	55	58900013	Sow feed curve	100 %
00007	Group pen	Pregnant	4	55	58900014	Sow feed curve	100 %
00008	Group pen	Pregnant	4	55	58900015	Sow feed curve	100 %
00009	Group pen	Pregnant	4	55	58900016	Sow feed curve	100 %
00010	Group pen	Pregnant	4	55	58900017	Sow feed curve	100 %
00011	Group pen	Pregnant	4	55	58900018	Sow feed curve	100 %
00012	Group pen	Pregnant	4	55	58900019	Sow feed curve	100 %
00013	Group pen	Pregnant	4	55	58900020	Sow feed curve	100 %
00014	Group pen	Pregnant	4	55	58900021	Sow feed curve	100 %
00015	Group pen	Pregnant	4	55	58900022	Sow feed curve	100 %
00016	Group pen	Pregnant	4	55	58900023	Sow feed curve	100 %
00017	Group pen	Pregnant	4	55	58900024	Sow feed curve	100 %
00018	Group pen	Pregnant	4	55	58900025	Sow feed curve	100 %

- Use the filters to search sows with the state "Moved out" (or "Dead") on the farm level.

Farm Bergstrop

Sow house

- Service area
- Pregnancy area
- Farrowing area 1
- Farrowing area 2
- EcomaticPro

New house

- Quarantine Section

Piglet rearing house

Sow Manager

Sow statistics | Sow feeding statistic | Callmatic feeding statistic | Sow visit

Filter

Identity | Location: Farm Bergstrop

State | Group no: | State: Removed

Feeding | Days in state: | Activities: | Sow list: | Show all

- Select all moved-out / dead sows you want to delete.
- Right-click to open the context menu. Under "Add activity to sows", click on "Delete permanently".

Sow no	Location	State	Current parity	Days in state	Transponder no	Feed curve	D
00001	Farm Bergstrop	Moved out	4	0	58900008	Sow feed curve	
00002	Farm Bergstrop	Moved out	4	0	58900009	Sow feed curve	
00003	Farm Bergstrop	Moved out	4	0	58900010	Sow feed curve	

- Confirm the following security query with "Yes" to delete the sows permanently from the system.

4.5.4 "Reviving" sows

If you have accidentally marked sows with the state "Dead" or "Moved out", reverse this activity as follows:

1. Use the filters to search sows with the state "Dead" and/or "Moved out" on the farm level.

The screenshot shows the 'Sow Manager' interface. On the left is a sidebar with a tree view of farm areas: 'Sow house' (selected), 'Service area', 'Pregnancy area', 'Farrowing area 1', 'Farrowing area 2', 'EcomaticPro', 'New house', 'Quarantine Section', and 'Piglet rearing house'. The main panel has tabs: 'Sow Manager' (active), 'Sow statistics', 'Sow feeding statistic', 'Callmatic feeding statistic', and 'Sow visit'. Below the tabs is a 'Filter' section with a table of filters. The 'State' filter is highlighted with a red box. The 'State' dropdown menu is open, showing 'Removed, Dead' selected with a checkmark. A hand icon points to the 'State' filter, and another hand icon points to the 'Removed, Dead' option. The 'Location' dropdown is set to 'Farm Bergstrop'. At the bottom right is a 'Show all' button.

2. Click on the first sow in the table to mark it.
Multi-editing is not possible here. The activity must be deleted individually for each SOW.
3. Select the current, unwanted activity "Death" or "Move out" under "Activity".

The screenshot shows the 'Sow Manager' interface with the 'Activity' tab selected in the sidebar. The main panel displays a table of activities. The 'Activity' tab in the sidebar is highlighted with a hand icon. The table has columns 'Date' and 'Type'. The 'Death' activity on 7/11/2018 is highlighted with a red background and a hand icon pointing to it. The table also shows other activities like 'Treatment (M)', 'Pregnancy check', 'Insemination', 'Weaning', 'Dead piglets', 'Farrowing', 'Pregnancy check', and 'Insemination'. At the bottom are buttons for '+ Add', 'Edit', and 'Remove'.

Date	Type
7/11/2018	Death
6/25/2018	Treatment (M)
6/17/2018	Pregnancy check
5/17/2018	Insemination
5/11/2018	Weaning
4/27/2018	Dead piglets
1/13/2018	Farrowing
1/20/2018	Pregnancy check
12/20/2017	Insemination
12/14/2017	Insemination

4. Click on "Remove".
5. Confirm the following security query with "Yes" to delete the activity.
The sow is now returned to its previous location in the system and removed automatically from the search results.

4.6 Viewing the performance data

The "Performance" category shows the selected sow's biological performance regarding piglet production. This includes information such as the number of live and still births, the number of weaned piglets and information on the average piglet weight at weaning.

Sow no ▲	Location	State	Current parity	Transponder no	Feed curve	Dem.rel	FM today	Feeding day	Feeding done
00001	Group pen	Pregnant	4	58900008	Sow feed curve	100 %	2.5 kg	7/10/2018	
00002	Group pen	Pregnant	4	58900009	Sow feed curve	100 %	2.5 kg	7/10/2018	
00003	Group pen	Pregnant	4	58900010	Sow feed curve	100 %	2.5 kg	7/10/2018	
00004	Group pen	Pregnant	4	58900011	Sow feed curve	100 %	2.5 kg	7/10/2018	
00005	Group pen	Pregnant	4	58900012	Sow feed curve	100 %	2.5 kg	7/10/2018	
00006	Group pen	Pregnant	4	58900013	Sow feed curve	100 %	2.5 kg	7/10/2018	
00007	Group pen	Pregnant	4	58900014	Sow feed curve	100 %	2.5 kg	7/10/2018	
00008	Group pen	Pregnant	4	58900015	Sow feed curve	100 %	2.5 kg	7/10/2018	
00009	Group pen	Pregnant	4	58900016	Sow feed curve	100 %	2.5 kg	7/10/2018	
00010	Group pen	Pregnant	4	58900017	Sow feed curve	100 %	2.5 kg	7/10/2018	
00011	Group pen	Pregnant	4	58900018	Sow feed curve	100 %	2.5 kg	7/10/2018	

Parity ▲	Gestati...	Farrow...	Born	Live born	Stillborn	Mummi...	Died	Foster (...)	Foster (-)	Lactating	Weaned	Avg. wei
1	114	21.06.17	12	12	0	0	1	0	0	0	11	7.0
2	114	16.11.17	9	9	0	0	0	0	0	0	9	7.4
3	114	13.04.18	11	11	0	0	1	0	0	0	10	7.1
4	0		0	0	0	0	0	0	0	0	0	0.0

4.7 Printing the sow card

In the "Sow card" category, you may view the sow cards for farrowing and insemination by clicking on "Preview...", and/or print the card. You may also view and/or print the sow cards of multiple sows at the same time, see chapter 4.9 "Editing multiple sows".

Sow no ▲	Location	State	Current parity	Transponder no	Feed curve	Dem.rel	FM today	Feeding day	Feeding done
00001	Group pen	Pregnant	4	58900008	Sow feed curve	100 %	2.5 kg	7/10/2018	
00002	Group pen	Pregnant	4	58900009	Sow feed curve	100 %	2.5 kg	7/10/2018	
00003	Group pen	Pregnant	4	58900010	Sow feed curve	100 %	2.5 kg	7/10/2018	
00004	Group pen	Pregnant	4	58900011	Sow feed curve	100 %	2.5 kg	7/10/2018	
00005	Group pen	Pregnant	4	58900012	Sow feed curve	100 %	2.5 kg	7/10/2018	
00006	Group pen	Pregnant	4	58900013	Sow feed curve	100 %	2.5 kg	7/10/2018	
00007	Group pen	Pregnant	4	58900014	Sow feed curve	100 %	2.5 kg	7/10/2018	
00008	Group pen	Pregnant	4	58900015	Sow feed curve	100 %	2.5 kg	7/10/2018	
00009	Group pen	Pregnant	4	58900016	Sow feed curve	100 %	2.5 kg	7/10/2018	
00010	Group pen	Pregnant	4	58900017	Sow feed curve	100 %	2.5 kg	7/10/2018	
00011	Group pen	Pregnant	4	58900018	Sow feed curve	100 %	2.5 kg	7/10/2018	

General	Sow card farrowing
Feeding	Sow card insemination
Feed curve	
Activity	
Performance	
Sow card	

Preview...

Print...

4.8 Changing a transponder

If a sow is given a previously used transponder number, check first in the Sow Manager whether this transponder number still exists in the BigFarmNet system. Proceed as follows:

1. Search the transponder number on the farm level.

The screenshot shows the 'Sow Manager' interface for 'Farm Bergstrop'. The left sidebar lists various areas like 'Sow house', 'Pregnancy area', and 'Piglet rearing house'. The main panel has tabs for 'Sow Manager', 'Sow statistics', 'Sow feeding statistic', 'Callimatic feeding statistic', 'Sow visit statistic', and 'EasySlider Sta'. The 'Sow Manager' tab is active, showing a 'Filter' section with a red box around the 'Identity' tab. Below the filter, there are input fields for 'Location' (Farm Bergstrop), 'Sow no', 'Transponder no' (58900028), 'Tattoo no', and 'Special'. A 'Show all' button is at the bottom. Below the filter section, a table lists sows with columns: Sow no, Location, State, Current parity, Days in state, and Transponder. The first row shows Sow no 00021, Location Group pen, State Pregnant, Current parity 4, Days in state 60, and Transponder 58900028.

2. When you have found the transponder number, delete it by clicking on "General" > "Edit" or by using the context menu, see chapter 4.3 "Editing general sow data".
3. Search the sow without transponder number:
Identity > Special > No transponder number
4. Move out the sow without transponder as follows:
 - a) Click on the sow to mark it.
 - b) Right-click to open the context menu. Under "Add activity to sows", click on "Move out".
 - c) Fill in the fields in the next dialog window, if necessary, or click directly on "OK".



If a sow loses the transponder number and receives a new one, enter the new transponder number immediately, ideally before the sow requests feed. Otherwise, the system registers a new sow with unknown sow number in the Sow Manager.



If the BigFarmNet Sow Manager is used in combination with another sow planner software, the transponder number must be changed in the sow planner software as well.

4.9 Editing multiple sows

You can configure settings and activities for multiple sows at the same time. Editing multiple sows in the Sow Manager is possible both in the table and in your personal sow list, see chapter 4.1.6 "Creating a sow list".

1. Select multiple sows as follows:

- Selecting neighboring sows:

Click on the first sow to mark it, hold down the Shift key and click on the last sow you want to mark.

- Selecting non-neighboring sows:

Click on the first sow to mark it, hold down the Ctrl key and click on one or more other sows you want to mark.

- Selecting all sows:

Click on the first sow to mark it, hold down the Ctrl key and press A.



You may also select just one sow and open the context menu for editing.

2. Right-click into the marked area to open the context menu.

Sow no ▲	Location	State	Current parity	Transponder no	✎
00004	Group pen	Pregnant	4	58900011	Sow
00005	Group pen	Pregnant	4	58900012	Sow
00006	Group pen	Pregnant	4	58900013	Sow
00007	Group pen	Pregnant	4	58900014	Sow
00008	Group pen	Pregnant	4	58900015	Sow
00009	Group pen	Pregnant	4	58900016	Sow
00010	Group pen	Pregnant	4	58900017	Sow
00011	Group pen	Pregnant	4	58900018	Sow
00012	Group pen	Pregnant	4	58900019	Sow
00013	Group pen	Pregnant	4	58900020	Sow
00014	Group pen	Pregnant	4	58900021	Sow
00015	Group pen	Pregnant	4	58900022	Sow
00016	Group pen	Pregnant	4	58900023	Sow
00018	Group pen	Pregnant	4	58900025	Sow
00019	Group pen	Pregnant	4	58900026	Sow

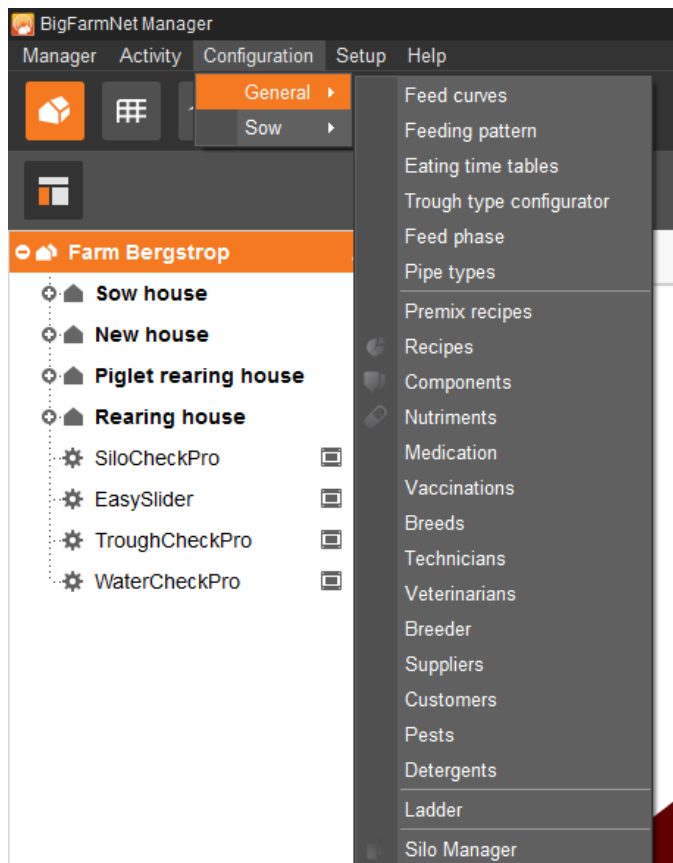
- **Edit sows:** see chapter 4.3 "Editing general sow data".
- **Modify feeding data:** see chapter 4.4 "Editing the feeding settings".
- **Add activity to sows:** depends on the sow's state, see chapter 4.5 "Editing activities".

- **Sow card:** see chapter 4.7 "Printing the sow card".
- **Print list:** Print the sows currently displayed in the table, for example after filtering.
- **Add to selection list:** Marked sows are copied to the sow list, see chapter 4.1.6 "Creating a sow list".
- **Feeding statistic:** Overview statistic (only applicable for CallMaticpro and Call-Innpro).
- **Visit statistic:** Overview statistic (only applicable for CallMaticpro and Call-Innpro).

5 Master data

Master data is defined as information which you only need to enter once and which remains valid for a longer time period. You may process master data multiple times and for different functions, e.g. components can be adjusted in feed curves or supplier information can be adjusted during moving-in.

Click on the menu "Configuration" > "General" to view the master data.



To create recipes, components and nutrients, see the following chapters:

- 2.1 "Creating nutrients"
- 2.2 "Creating components"
- 2.3 "Creating a recipe"

As an example, master data for medication and suppliers will be created in the following. The procedure is identical for all master data.



Fields with bold text are mandatory.

5.1 Creating a medication

1. In the menu "Configuration" > "General", click on "Medication".
2. In the dialog window "Medication", click on "Add".

The dialog window "Medication" lists all created drugs which you can edit, copy or remove later on, if necessary.

3. Fill in the information for the medication under the first tab.

4. Determine the dosage under the tab "Technical settings".

5. Configure technical settings for the respective feeding system under the tab "Hydromix settings".
6. Accept your inputs by clicking on "OK".

5.2 Creating a supplier

1. In the menu "Configuration" > "General", click on "Suppliers".
2. In the dialog window "Suppliers", click on "Add".
3. Fill in the information for the supplier in the next dialog window.

Supplier

Code East

Name East Pig

Contact

Address

Street One North Capitol, Suite 100

Postcode / PO Box

Postcode / City Indianapolis

Region IN 46204-2288

Country USA

Communication

Phone no. 930-437-8704

Mobile no.

Fax no. 930-437-8703

E-Mail EAST-PIG@WEBNEW.US

Website

Our Customer no 4456

OK Cancel

4. Confirm your inputs by clicking on "OK".

5.3 Sow master data

The sow master data are relevant only for the Sow Manager. These data include information on boars, semen and set parameters regarding e.g. insemination and piglet count.

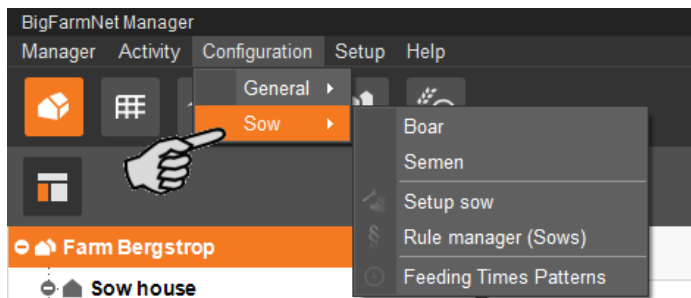


Fields with bold text are mandatory.

5.3.1 Setting up sows

In the dialog "Setup sow", define the activity cycle of the sow and thus determine approximate values for the Sow Manager application. These specifications prevent the input of implausible data during editing. Upon input of the sow data, the program will verify whether the entered values are within the permitted range.

1. In the menu "Configuration" > "Sow", click on "Setup sow".



2. Define the following parameters.

You may also load pre-set values by clicking on the button **Default values**.

Setup sow - Edit

General | Callmatic settings

Parity validating

	Min	Max
Age in days at first service	220	260
Days from service to pregnancy check	19	40
Days from service to pregnancy check 2	40	48
Days from service to abortion	0	113
Days from service to farrowing	113	120
Days from farrowing to weaning	18	40
Days from weaning to service	2	7
Days from weaning to nurse	0	2

Special service ☒

Special farrowing ☒

Number of piglets

Maximum number born 25

Maximum number weaned 25

Index calculation

Born/weaned factor 100 %

Born/not weaned factor 75 %

Not born/weaned factor 25 %

Feeding

Threshold for fed sows 80 %

Default values

OK Cancel

- **Age in days at first service** = time period for the first insemination. The program does not allow insemination outside of this time period.
 - **Days from service to pregnancy check** = time period for the first pregnancy check
 - **Days from service to pregnancy check 2** = time period for the second pregnancy check
 - **Days from service to abortion** = time period for abortion after insemination
 - **Days from service to farrowing** = time period for farrowing after insemination
 - **Days from farrowing to weaning** = time period for weaning of the piglets after farrowing
 - **Days from weaning to service** = time period for new insemination after weaning
 - **Days from weaning to nurse** = time period for using a sow as nurse after weaning
 - **Special service** and **Special farrowing** = If these functions are activated, a sow can be configured with the activity "Farrowing" or "Service" again to re-start at status day 0. The activity cycle of a sow is not completed in this case.
 - In the section "Number of piglets", define the parameter values for each litter and sow.
 - Under "Index calculation", define the performance of the sows by weighting the individual parameters. The sow's performance index is shown on the sow card, see chapter 4.7 "Printing the sow card", page 59.
 - Under "Feeding", enter the threshold from which a sow is considered to have been fed. Sows below this value are considered to not have been fed.
3. If necessary, define the specific settings for the system under the "Callmatic settings" tab.
 4. Accept your inputs by clicking on "OK".

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