

TAP FEED Feedlot Release Notes

July 31, 2023

Introduction:

- With the release of TAP v3.3 we are introducing the TAP FEED Feedlot subscription. TAP FEED Feedlot follows the same workflow as the other TAP FEED subscriptions but with an additional feature set specifically developed for beef operations, including:
 - Lot management
 - Lot transfer
 - Closeout reporting
 - Transfer history
- TAP FEED Feedlot will initially be released in the EU region only. In the next version of TAP, v3.4, TAP FEED Feedlot will be released globally.

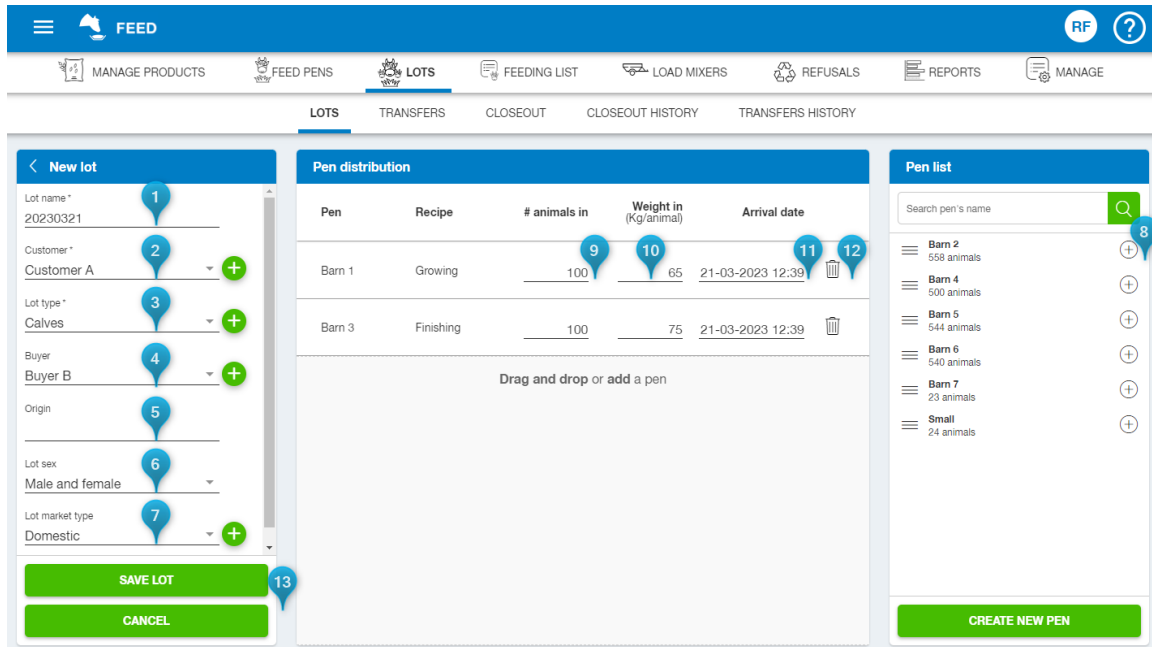
TAP FEED Feedlot details:

Lots:

- Animals are grouped together based on lots. Animals that are in one lot, can be divided over different feed pens. Animals will remain in the same lot during their stay on the farm. A close out summary is made per lot with the details of those animals.

Add new lots:

- Through the '+' button a new lot can be created.



The screenshot shows the 'New lot' form on the left, the 'Pen distribution' table in the center, and the 'Pen list' sidebar on the right. Numbered callouts indicate the following elements:

- 1: Lot name field (20230321)
- 2: Customer dropdown (Customer A)
- 3: Lot type dropdown (Calves)
- 4: Buyer dropdown (Buyer B)
- 5: Origin field
- 6: Lot sex dropdown (Male and female)
- 7: Lot market type dropdown (Domestic)
- 8: Search bar in Pen list
- 9: # animals in column
- 10: Weight in (Kg/animal) column
- 11: Arrival date column
- 12: Trash icon in Pen distribution table
- 13: SAVE LOT button

Pen	Recipe	# animals in	Weight in (Kg/animal)	Arrival date
Barn 1	Growing	100	65	21-03-2023 12:39
Barn 3	Finishing	100	75	21-03-2023 12:39

1. Choose a name that can be easily recognised. The name of a lot cannot be reused for any future lots.
2. Choose the customer. If the customer is not in the drop-down list, use the '+' button to add a contact.
3. Choose the corresponding lot type. If the lot type is not in the drop-down list, use the '+' button to add a new lot type.



4. Choose the buyer for this specific lot (optional). If the buyer is not in the drop-down list, use the '+' button to add a new contact.
5. Enter the origin of the animals in the lot. This is an optional item.
6. Indicate if the lot consists out of only female, only male or both male and female.
7. Choose the lot market type. If the lot market type is not in the drop-down list, use the '+' button to add a new lot market type.
8. Add a pen or multiple pens where the animals of this lot are situated. You can either drag and drop a pen to the pen distribution or use the '+' button to add a pen to the pen distribution.
9. Enter the number of animals per feed pen
10. Enter the average weight per animal of the animals at arrival. When there are animals with a different weight at arrival but should be in the same lot, animals can be added later to the same lot with a different arrival weight.
11. Enter the arrival date of the animals
12. To delete a pen from the pen distribution, use the trash bin button
13. If all data is entered, use the 'save lot' button to save

View and edit current lots:

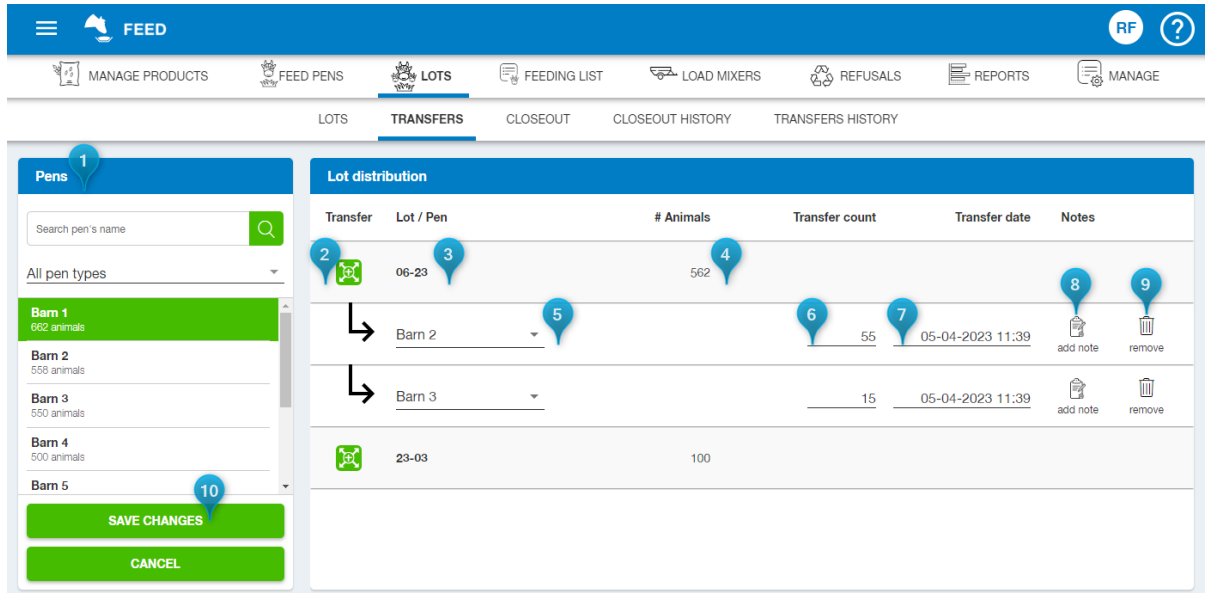
1. Through the three dots, a new drop-down menu opens. Here you can choose to edit a lot, add animals, or add notes.
2. The number of animals of a lot that are still on the farm are shown here. If no animals have been sold yet, it will display no difference.
3. The close status can be either open, partially closed or completely closed.
4. Show closeouts will show the sold animals with their closeout date, the number of animals sold and the average weight out per animal
5. Show deaths will show the number of animals that have died from this specific lot. It will show the death date and the number of animals
6. When new animals arrive that should be added to this lot, you can use the 'add animals' button. The same information as when creating a new lot will need to be entered
7. The pen distribution is shown here. In the example above, all 23 animals that remain of this lot are in feed pen Barn 7



8. The feed costs are shown here per head and as total weight
9. The total costs are shown here per head and as total weight

Transfers:

- To transfer animals from different lots between the different pens, the menu LOTS – TRANSFERS can be used



1. The pens that contain animals are listed here. The search box can be used to find specific groups. After selecting a pen, the details will be displayed.
2. This button can be used to add new transfers out of this group. A new line will be created to enter the details of the transfer.
3. The lot of the animals is shown. It is possible that animals from different lots are in one pen
4. # Animals shows the total number of animals in the pen of a specific lot.
5. Select the pen to which the animals should be transferred. If a death recording or a transfer to hospital is needed, the correct transfer item should be selected from the drop-down menu.
6. Here the number of animals that should be transferred to the selected pen can be entered. You can move all or just one animal to another pen.
7. The transfer date should be entered here
8. Notes about the transfer can be added here
9. If data is entered but the transfer should not be completed, the trash bin icon can be used to remove a certain transfer
10. The 'save changes' can be used to save the entered transfers



Closeout:

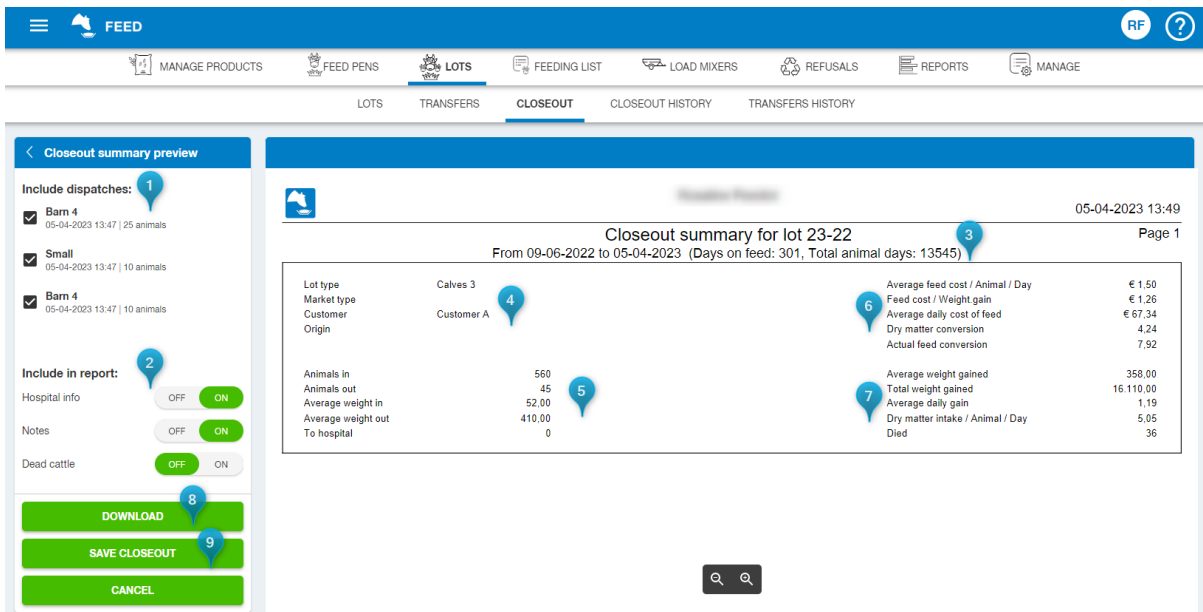
- When animals leave the farm, a closeout is entered to transfer the animals from the farm and enter finishing weights.

1. The active lots that contain animals are listed here. The search box can be used to find specific lots. After selecting a lot, the details will be displayed.
2. This button can be used to add new closeouts of a particular lot. A new line will be created to enter the details of the closeout. If animals are sold on different dates or with different weights, you can add multiple dispatches.
3. The pen of the animals is shown. It is possible that animals from one lot are in multiple pens
4. # Animals shows the total number of animals in the pen of a specific lot
5. The number of animals sold from the selected pen is entered in the transfer count. You can sell all or just one animal
6. The transfer date should be entered here
7. The weight of the animals at departure is entered here and will be used in the closeout summary for several kpi's
8. Notes can be entered per closeout
9. If data is entered but the closeout should not be completed, the trash bin icon can be used
10. The 'Closeout summary preview' is the next step in completing the closeout. It will show you a preliminary closeout summary



Closeout summary preview:

- The closeout summary provides an overview of the entered dispatches. Once data is checked, the closeout can be saved.



The screenshot shows the 'Closeout summary preview' for lot 23-22. The interface is divided into a sidebar and a main content area. The sidebar contains filters for 'Include dispatches' (1), 'Include in report' (2), and action buttons 'DOWNLOAD' (8), 'SAVE CLOSEOUT' (9), and 'CANCEL'. The main content area displays the 'Closeout summary for lot 23-22' with a table of metrics. The table is as follows:

Lot type		Calves 3	Average feed cost / Animal / Day	€ 1,50
Market type			Feed cost / Weight gain	€ 1,26
Customer	Customer A		Average daily cost of feed	€ 67,34
Origin			Dry matter conversion	4,24
			Actual feed conversion	7,92
Animals in	560		Average weight gained	358,00
Animals out	45		Total weight gained	16.110,00
Average weight in	52,00		Average daily gain	1,19
Average weight out	410,00		Dry matter intake / Animal / Day	5,05
To hospital	0		Died	36

- All dispatches of the closeout are included by default. If you want to view the closeout summary preview per dispatch, you can select the dispatches here.
- The items 'hospital info', 'notes' and 'dead cattle' are items that can be included in the report. If this data should not be displayed, the switch can be set to 'off'
- Some details of the closeout summary are shown at the top of the overview
- Details of the lot are presented here
- Details of arrivals and dispatches with corresponding weights are displayed here
- Details on feed costs and feed conversions are displayed here
- Details on weight gain and feed intake are displayed here
- The overview can be downloaded as a PDF file
- When details of the closeout are correct, the closeout can be saved

Details of the ingredients used are displayed on the closeout summary preview.

Closeout summary for lot 23-22
From 09-06-2022 to 05-04-2023 (Days on feed: 301, Total animal days: 13545) Page 2

Ingredient	Actual weight	Avg. DM %	Dry weight	Unit	Days on ingredient	Avg. cost (€)	Total cost (€)
Ruhenberg 1 12-22	2,18	91,20%	1,99	1 Tonne	126	8,12	1.022,77
Ruhenberg2 12-22	5,40	92,00%	4,97	1 Tonne	177	14,39	2.547,39
TGC	0,07	28,00%	0,02	1 Tonne	4	0,78	3,12
aardappels s 12-22	13,45	12,00%	1,61	1 Tonne	176	2,92	514,14
ccm nov22	2,25	85,00%	1,45	1 Tonne	28	21,66	563,05
corngold#	0,08	40,00%	0,03	1 Tonne	1	4,69	4,69
mais 2020	5,66	38,80%	2,19	1 Tonne	66	4,71	311,09
mais oogst21	35,07	37,90%	13,29	1 Tonne	117	16,49	1.929,02
mais2022	19,73	44,80%	8,84	1 Tonne	75	14,73	1.105,06
maismeeel	0,07	84,00%	0,06	1 Tonne	4	3,32	13,27
maismeeel 9-22	13,18	85,80%	11,31	1 Tonne	192	24,60	4.723,40
natriumbicarbonaat	0,03	99,00%	0,03	1 Tonne	38	0,33	12,40
optokorrei	7,39	90,00%	6,65	1 Tonne	78	24,12	1.881,38
optokorrei12-22	5,19	90,00%	4,67	1 Tonne	190	8,93	1.696,32
palmpitschil 12-22	3,33	94,00%	3,13	1 Tonne	148	5,46	808,48
ruhenberg 1	0,12	90,00%	0,11	1 Tonne	4	9,15	36,60
stro	0,56	84,00%	0,47	1 Tonne	69	1,25	87,11
tarwemeel 11-22	6,68	85,80%	5,73	1 Tonne	177	13,11	2.319,98
tcg 9-22	7,18	25,00%	1,79	1 Tonne	192	3,60	690,32
	127,62		68,35				20.269,59

1. Some details of the closeout summary are shown at the top of the overview
2. The name of the ingredient
3. The total actual weight of that specific ingredient that was fed
4. The average DM% of the ingredient during the time the animals received the ingredient
5. The total dry weight of that specific ingredient that was fed
6. The unit of the ingredient
7. The number of days that the animals received this specific ingredient
8. The average cost of the ingredient during the time the animals received the ingredient
9. The total costs of the ingredient as fed to the animals

Details of the recipes used are displayed on the closeout summary preview.

Closeout summary for lot 23-22
From 09-06-2022 to 05-04-2023 (Days on feed: 301, Total animal days: 13545) Page 3

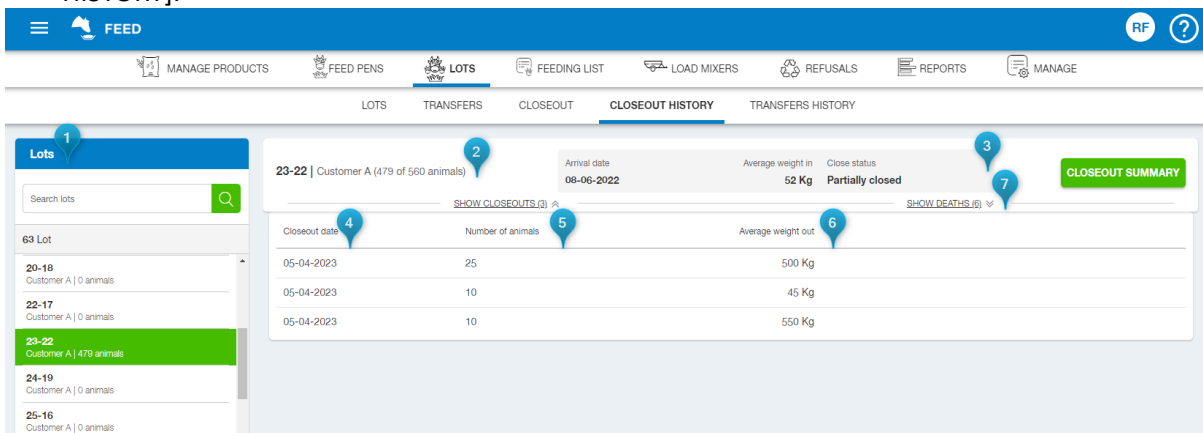
Month	Recipe	Days on recipe	Actual weight	Total cost (€)	Animal days	Cost / Animal / Day
June 2022	Finishing	1	438,19	43,32	45	0,96
June 2022	Growing	9	533,01	128,87	405	0,32
July 2022	Growing	28	3.471,27	649,11	1.260	0,52
August 2022	Growing	31	6.890,95	1.137,90	1.395	0,82
September 2022	Finishing	24	8.626,29	1.205,55	1.080	1,12
September 2022	Finishing bulls	6	291,77	41,90	270	0,16
September 2022	Growing	6	1.641,78	273,19	270	1,01
October 2022	Finishing	31	13.513,94	1.991,09	1.395	1,43
October 2022	Finishing bulls	30	1.477,80	211,30	1.350	0,16
November 2022	Finishing	30	15.023,43	2.181,74	1.350	1,62
November 2022	Finishing bulls	28	1.606,69	233,54	1.260	0,19
December 2022	Finishing	31	17.758,29	2.637,03	1.395	1,89
January 2023	Finishing	31	19.500,95	3.240,15	1.395	2,32
February 2023	Finishing	28	20.096,51	3.567,71	1.260	2,83
March 2023	Finishing	20	16.769,23	2.868,57	900	3,19
		334	127.640,10	20.410,97	15.030	



1. Some details of the closeout summary are shown at the top of the overview
2. The recipes used per month are displayed. When a lot has received multiple recipes in a month, multiple rows are included.
3. The name of the recipe that was fed to the animals of this particular lot
4. The number of days that the animals in the lot have received this recipe
5. The total weight of the recipe that the animals in the lot have received in that particular lot
6. The total cost of the recipe fed in the particular month
7. Based on the days on recipe and the number of animals fed per day, the animals days is calculated
8. The cost per animal per day is calculated based on the total cost divided by the total animal days

Closeout history:

- Once the closeout is complete, the closeout history can be found under [LOTS] – [CLOSEOUT HISTORY].



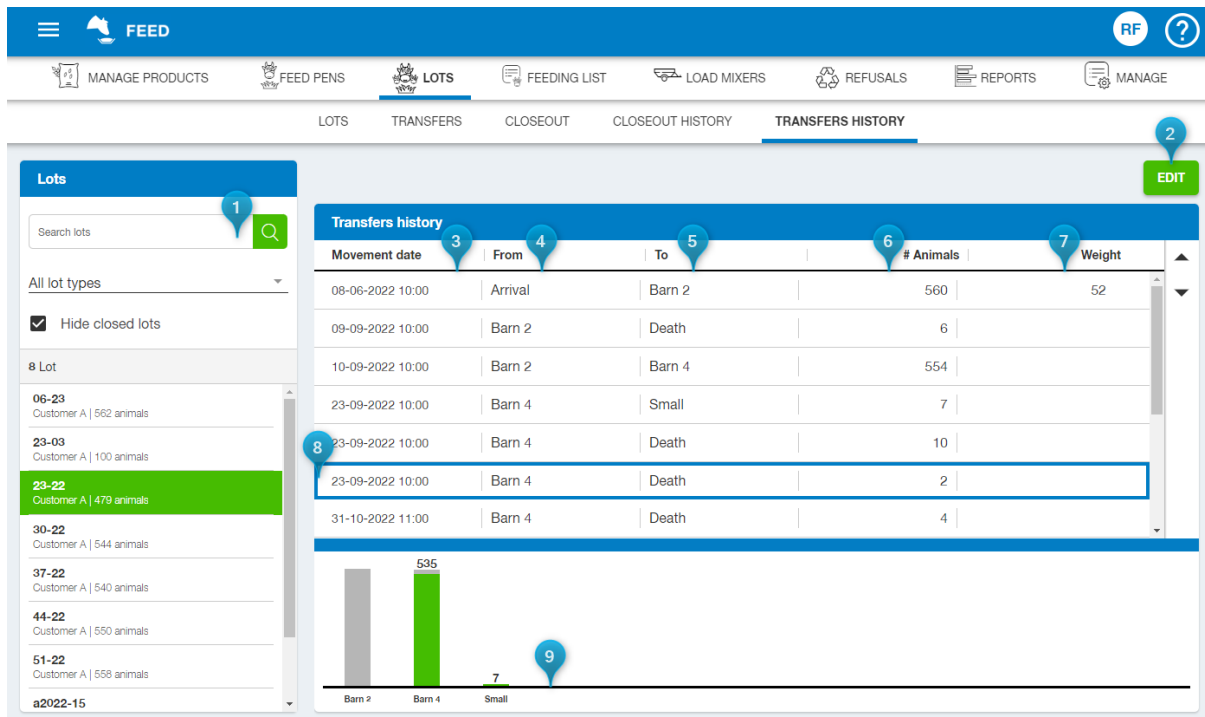
Closeout date	Number of animals	Average weight out
05-04-2023	25	500 Kg
05-04-2023	10	45 Kg
05-04-2023	10	550 Kg

1. The completely closed or partially closed lots are listed here. The search box can be used to find specific lots. After selecting a lot, the details will be displayed.
2. Details about the lot regarding customer and number of animals sold is displayed here
3. The arrival date, average weight and the status are shown here. If only part of the lot is sold, the status will be 'partially closed'. Once the complete lot is sold, the status will be 'completely closed.'
4. The closeout date is the transfer date entered with the closeout
5. The number of cows that was sold on that specific date is displayed here
6. Average weight out of the different close outs are displayed here
7. If there were any deaths in the lot, the deaths can be found here. This includes date of death and number of animals.



Transfer history:

- Any transfers of lots can be found under 'TRANSFERS HISTORY'. This includes animal movements to different pens, death registrations and closeouts.



The screenshot displays the 'TRANSFERS HISTORY' section of the TOPCON software. The interface includes a navigation bar with 'FEED', 'RF', and a help icon. Below the navigation bar are tabs for 'LOTS', 'TRANSFERS', 'CLOSEOUT', 'CLOSEOUT HISTORY', and 'TRANSFERS HISTORY'. The 'TRANSFERS HISTORY' tab is active, showing a table of transfer records. A sidebar on the left lists 'Lots' with a search box and a list of lot types. A bar chart at the bottom shows the distribution of animals across different barns.

Movement date	From	To	# Animals	Weight
08-06-2022 10:00	Arrival	Barn 2	560	52
09-09-2022 10:00	Barn 2	Death	6	
10-09-2022 10:00	Barn 2	Barn 4	554	
23-09-2022 10:00	Barn 4	Small	7	
23-09-2022 10:00	Barn 4	Death	10	
23-09-2022 10:00	Barn 4	Death	2	
31-10-2022 11:00	Barn 4	Death	4	

The bar chart at the bottom shows the distribution of animals across different barns. The x-axis is labeled 'Barn 2', 'Barn 4', and 'Small'. The y-axis represents the number of animals. The bars show 535 animals in Barn 2, 535 animals in Barn 4, and 7 animals in Small.

1. The active lots are listed here. The search box can be used to find specific lots. After selecting a lot, the details will be displayed.
2. The information on the TRANSFER HISTORY can be edited. It is possible to change the 'from', 'To', # animals and the weight.
3. The movement date and time is saved. The movement date and time will determine if feed fed to the animals is taken up by the animals before movement or not.
4. The 'Form' column will indicate where the animals were previously or when the animals arrived on the farm
5. The 'To' column will indicate where animals were transferred to. The can be another pen on the farm, it can be 'death' when the animal was deceased or dispatched after a (partial) closeout.
6. The number of animals that were involved in the transfer are displayed here
7. If applicable, the weight of the animals at the moment of transfer is displayed
8. When a row is selected, it will get a blue border around it. This is used in the graph that is shown on the bottom of the page
9. Here the transfers are shown in a graph. Clicking on one of the rows above, will display the distribution of animals up to the selected transfer. This makes it easier to determine where all animals of a certain lot are/were at a certain moment in time.



Manage:

Pen types (Feedlot):

- Each pen has a pen type linked. You can edit or add pen types through this section. These pen types can be used to apply filters based on the pen types.

1. New pen types can be added. The pen class can be chosen from a drop down list (Finishing, Growing, Calves, Developing, Yearlings, Hospital or Other). The name of a pen type can be chosen by the user.
2. An existing pen type can be changed. Both the pen class and the pen type name can be edited.
3. Pen types can only be deleted if they are not is use for any of the pens

Lot market types:

1. New Lot market types can be added. The lot market type class can be chosen from a drop down list (Domestic or Export). The name of a lot market type can be chosen by the user.
2. An existing lot market type can be changed. Both the lot market type class and the lot market type name can be edited.
3. Lot market types can only be deleted if they are not is use for any of the lots



Lot types:

1. New lot types can be added. The lot type class can be chosen from a drop down list (Calves, Yearlings, Growing and Finishing). The name of a lot type can be chosen by the user.
2. An existing lot type can be changed. Both the lot type class and the lot type name can be edited.
3. Lot types can only be deleted if they are not is use for any of the lots

Lot market types:

- Each lot has a lot market types linked. You can edit or add lot market types through this section (MANAGE – SETTINGS – LOT MARKET TYPES). These lot market types can be used to apply filters based on the lot market types.

1. New lot market types can be added. The lot market type class can be chosen from a drop down list (Domestic and Export). The name of a lot market type can be chosen by the user.
2. An existing Lot Market type can be changed. Both the lot market type class and the lot market type name can be edited.
3. Lot market types can only be deleted if they are not is use for any of the lots

Lot types:



- Each lot has a lot market types linked. You can edit or add lot market types through this section (MANAGE – SETTINGS – LOT TYPES). These lot types can be used to apply filters based on the lot types.

Name	Lot type class		
Calves	Calves		
Calves 2	Calves		
Calves 3	Calves		
Finishing	Finishing		
Growing	Growing		
Yearlings	Yearlings		

1. New lot types can be added. The lot type class can be chosen from a drop down list (Calves, Yearlings, Growing and Finishing). The name of a lot type can be chosen by the user.
2. An existing Lot type can be changed. Both the lot type class and the lot type name can be edited.
3. Lot types can only be deleted if they are not is use for any of the lots

Contacts (Feedlot):

In order to enter a lot, it is mandatory to enter a customer and optional to add a buyer. Through MANAGE – CONTACTS the contacts can be added, edited or removed.

New contact [X]

Name * John Doe Address 67 cow street

Zip code 10001 City Cow city

Country Netherlands Phone + 1 234 567 8

Email cow@cowhouse.com

Supplier Consultant Buyer Customer

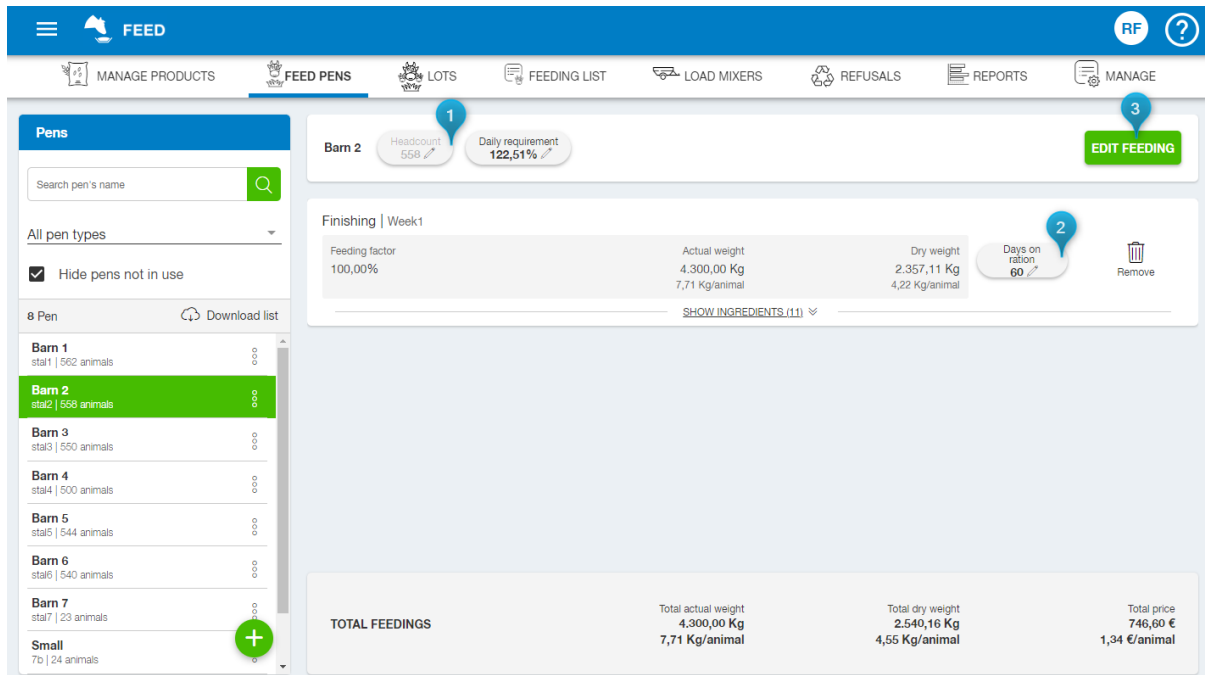
CANCEL SAVE

Each contact needs a name and the role of the contact needs to be determined. A contact can have multiple roles assigned to them.



Feed pens (Feedlot):

- When using FEEDLOT, the head count of the feed pens are managed through the lots.



The screenshot shows the 'FEED PENS' section of the software. On the left, a sidebar lists various pens: Barn 1 (562 animals), Barn 2 (558 animals), Barn 3 (550 animals), Barn 4 (500 animals), Barn 5 (544 animals), Barn 6 (540 animals), Barn 7 (23 animals), and Small (24 animals). Barn 2 is highlighted in green. The main area displays details for 'Barn 2', including a headcount of 558 and a daily requirement of 122,51%. Below this, a 'Finishing | Week1' section shows feeding factors (100,00%), actual weight (4,300,00 Kg), dry weight (2,357,11 Kg), and days on ration (60). A 'TOTAL FEEDINGS' summary at the bottom shows total actual weight (4,300,00 Kg), total dry weight (2,540,16 Kg), and total price (746,60 €).

1. As head count is managed through the lots, the head count cannot be changed through the feed pens.
2. Recipe transition can be used and the days on ration can be managed through the feed pens

Ingredient usage by pen (Feedlot):

- This report gives you an overview of what each pen consumed during a selected period of a certain ingredient. Breaks it down by ingredient what was delivered and consumed by the pens.
- When using the FEEDLOT license, grouping by either Lot or Pen is available under properties.



Properties ×

GENERAL	RECIPES	INGREDIENTS
INGREDIENT TYPES	PENS	PEN TYPES
LOTS		LOT TYPES

Unit
Use ingredients units ▾

Group data by 3

Lot Pen

CANCEL APPLY SETTINGS

1. Filters can be applied to include/exclude certain lots
2. Filters can be applied to include/exclude certain lot types
3. Data on the report can either be grouped based on the lots or based on the pens. This enables you to either analyse the ingredient usage on lot level or on pen level.



Transfer date and time:

- When animals are transferred, the date and time needs to be entered. The entered time will determine if the transferred animals did or did not take up feed. This is determined based on the last feeding time.

1. Choose the date (through the calendar button) and the time (through the clock button)
2. If the animals were transferred after the last feeding, click on 'After last feeding' and the system will set the transfer date and time after the last known feeding. Data from the mixer should be processed before transfers to ensure reliable information on last feeding times.
3. Press 'Apply' to save the new transfer date and time

Dispatch date and time:

Arrival date and time: