

Stud Administration System

Description

2.00 version

PRODUCT SPECIFICATIONS

It is an online system that manages resources, supplies and final products, especially designed for livestock breeding farming facilities.

Functional modules description

The system operates through "functional modules" that allow a comprehensive management of the data model described.

Each functional module allows to record, keep and consult the data of each Logic Entity, as well as to establish and keep the relationship with other entities according to the data model.

1. Animals

This module keeps record of the identity data of the animal, its documentation, owner, commercial agent and stud farm origin. It provides standard specifications for all the animals: stallions, brood mares and offspring.

The data recorded is the following:

- Name.
- Father and mother.
- Sex.
- Coat: it is selected from a list of options administered in the Parameters module.
- Date of birth
- Owner: it is selected from the list in the Owners module.
- Plastic card: digital images of both sides of the certificate.
- DNA and microchip.
- Notes

2. Owners

This module keeps record of the animals' owners.

The following data is registered:

- Name
- Telephone
- e-mail
- Name and telephone of a contact person or veterinarian
- Notes

A list of the animals registered in the Animals module is displayed to each owner.

3. Commercial agents

This module keeps record of the commercial agents of the animals.

The following data is registered:

- Name
- Telephones
- e-mail
- Notes

A list of the animals registered in the Animals module is displayed to each agent.

4. Stud farms (Origin and destination)

This module keeps record of the original farm of each animal that arrives at the stud and the animal destination when it leaves the facilities.

The following data is registered:

- Name
- Telephone
- Address
- Name and telephone of a contact person or veterinarian
- Notes

5. Animals' movements

The system records all animals' admissions and exits. This is required in order to assign boarding and treatment.

When the animal is admitted, the following data is registered:

- Animal: it is selected from the group of animals that are not in the facilities.
- Original stud farm: it is selected from the list provided in the Stud farm module.
- Admission date and time.
- Date of the next Equine Infectious Anaemia test: this date is entered manually, considering the due date appearing in the certificate, as well as the necessary anticipation to perform the test. This data is then used when the animal exits.
- Documentation received:
 - Plastic card
 - Vaccination certificate
 - EIA
 - Equine Piroplasmiasis
 - Voucher
 - Medical record
 - Offspring certificate
 - A text field for other cases has been included.
- Notes.

When the animal leaves the facilities, the following data is registered:

- Animal: it is selected from the group of animals that are in the facilities.
- Destination stud farm: it is selected from the list provided in the Stud farm module and it may not be the same as the original stud farm (admission).
- Check-out date and time.
- Documentation delivered:
 - Plastic card
 - Vaccination certificate
 - EIA
 - Piroplasmosis
 - Voucher
 - Medical record
 - Offspring certificate
 - A text field for other cases has been included.
- Notes.

6. Treatments

For every treatment related to an animal, the following data must be registered:

- Animal: it is selected from the group of animals that are in the facilities.
- Treatment date and time.
- Treatment: it is selected from the list appearing in the Treatments Catalogue.
- Amount: it is a factor that can be used to determine the amount of the doses. It is included in the calculation of the charge to be allocated to the Animal account and the stock consumptions.
- Notes: additional text (optional).

7. Treatments Catalogue

In every type of treatment, the following data is registered:

- Category: list administered separately.
- Name.
- Description.
- Price.
- Observations: additional text (optional).

8. Boarding

The following data is registered at check-in:

- Animal: it is selected from the group of animals that are in the facilities. (Admission registered).
- Boarding regime: it is selected from the Boarding Regimes.
- Date
- Notes: additional text (optional).

The following data is registered at check-out:

- Animal: is selected from the group of animals that are accommodated.
- Date
- Notes: additional text (optional).

9. Boarding regime

Every Boarding regime requires the following data:

- Name.
- Description.
- Price.
- Notes: additional text (optional).

10. Services

The following data is registered:

a. Vouchers.

- Number
- Season
- Stallion: it is required to be selected from the Animals module (Males).

b. Selection of stallions.

- Brood mare: it is required to be selected from the Animals module (Females).
- Voucher number: it is required to be selected from the Vouchers module (ongoing season).
- Selection date

The record is on chronological order, registering all the stallions assigned to every brood mare.

Selection can be removed if leaps have not been registered.

c. Leaps

- Service date and time
- Brood mare: it is required to be selected from the sub-group of Brood mares with stallion assigned in the ongoing season.
- Stallion: automatically entered by the system from the Appointment of stallions module.

d. Brood mares condition

- Brood mare: it is required to be selected from the sub-group of brood mares that have had at least one leap in the ongoing season.
- Date
- Condition: options list (Empty, Pregnant, and Reabsorbed).

11. Account

It is a screen showing the chronological record of all the charges generated by the Treatment and Boarding services record.

For every treatment, the following data is registered:

- Date
- Treatment
- Amount
- Unit price
- Sub-total

The data required for boarding purposes is as follows:

- Boarding regime
- Check-in date
- Check-out date
- Total number of days
- Days already cancelled
- Sub-total

Payments shall be settled according to the data appearing in this record.

12. Supplies

This module keeps record of the list of supplies, materials, equipment and tools, which stock is controlled.

Each item requires, at least, the following data: name and category. Further data, such as weight, dimensions and amount per package can be added, if necessary.

13. Deposits

The System deposits are created and managed through this module. They are the means to keep control of the stock and movements of goods, and their different conditions according to the activity to be performed.

The deposits scheme is dynamic, which allows removing deposits and adding new ones at any time.

Stock:

There are two types of deposits: those that are calculated as part of the stock and those that are not.

Deposits containing items that belong to the company shall be labeled as Stock. Typically, these deposits will be those containing items available for the application of treatment and all those under internal administrative processes (claims, returns, etc.)

The deposits that include third parties' items and/or that have been consumed shall not be calculated as part of the stock. It is the case of those items that have not been delivered by suppliers, items that have been used in treatments and items thrown away because they have been broken or due to other circumstances.

Available items:

Another feature of every deposit indicates if it contains items available for operations or if the items are under any administrative process such as quality control, claims to suppliers, evaluation of returns, or other internal processes that stop the use of the items involved.

Provisions:

Estimated movements can be entered in order to control the future movement of goods. It is the case of goods purchased that are to be delivered.

In the event of any delay or anticipation of the event foreseen, the date can be modified so as to show the actual situation.

This feature allows knowing the future stock, considering all the movements up to the corresponding date.

Current deposits:

Each deposit can be labeled as valid or not in order to identify which are being used. Deposits due are kept so as to keep record of every movement performed.

Movements and adjustments:

In addition to the functions to create and manage Deposits, this module allows to view the chronology of movements (entries, withdrawals and balances), and authorized users will be able to manually upload movements and adjustments of visual stocks.

Predefined deposits:

The system has the following predefined Deposits, which are used to record basic movements of goods, as from their entry date until their final destination.

When treatments are registered, the system automatically moves the items consumed according to each treatment in the Treatment catalogue module.

Denomination	Stock	Available	Purpose
To be delivered by suppliers			It records the items that are expected to be delivered by suppliers.
Claims to suppliers	√		It records the items that are being claimed to suppliers either due to breakage, defects, wrong article or any other reason.
Returns to suppliers			It records the items that have been returned to suppliers.
Lack of purchases			It records the items that have not been delivered by suppliers.
Central deposit	√	√	Predetermined deposit that records the items available to be used.
Consumed by treatments			It records the items consumed during treatments.
Losses			It records the items discharged due to defects, breakage or losses.

Additional deposits:

Additional deposits can be created in order to control stock and movement of goods that are distributed to different sectors of the facility. If the conditions of the

deposits are not the basic ones implemented through the predefined Deposits, additional deposit can be created as well.

For example, an additional Deposit could be "Warehouse services" that could be used to record the items stored temporarily in said sector.

14. Users

The system will be operated by users that shall identify themselves. Therefore, at the beginning of each working session, they shall enter a user name and password.

The access level of each user can be customized through a series of permits applied to the system modules.

Every operation records the user identity and the date and time it was performed.

15. Reports

This module displays a menu of the lists that users have access to according to their permits.

These are the predefined reports:

- Brood mares in the facility
- Anaemia control
- Not bred brood mares since their last admission
- Brood mares to be examined
- Pregnant brood mares
- Vouchers control
- Vouchers status
- Leaps and status per voucher
- Change of stallions
- Evaluation of stallions
- Season summary
- Stallion summary
- Summary for the owner
- Summary for the agent
- Summary for stud
- Black book
- Grey Stud Book
- Stud Book Internet
- Medical history
- Treatment rates
- Boarding rates
- Calendar
- Calendar (Excel format)