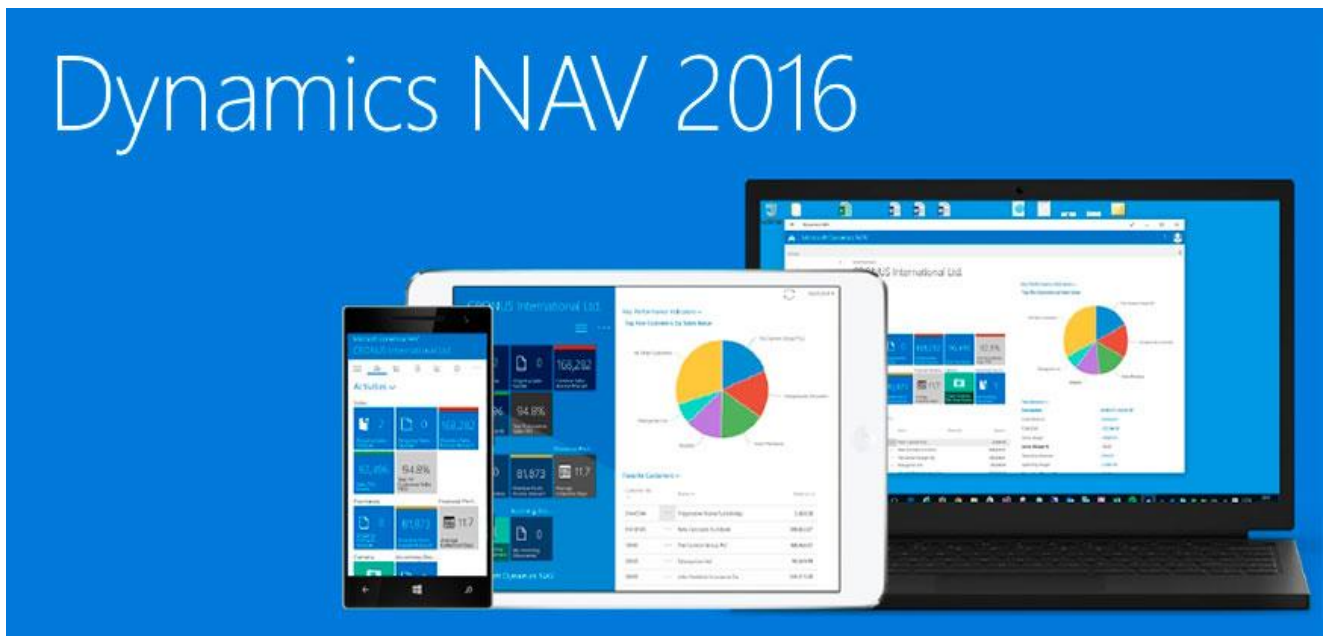


Management of the Aquaculture Farms under MICROSOFT DYNAMICS NAV 2016



| | |
|-------------------------|------------------|
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| Document version | 1.02 |
| Update | May 2017 |

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INTRODUCTION

The purpose of this document is to present the functional scope of the management solution for aquaculture farms under Microsoft Dynamics Nav

For fish farmers in cages at sea, the solution provide a wide functional perimeter, and this since the seeding of the Alevins in cages until sales of the fish.

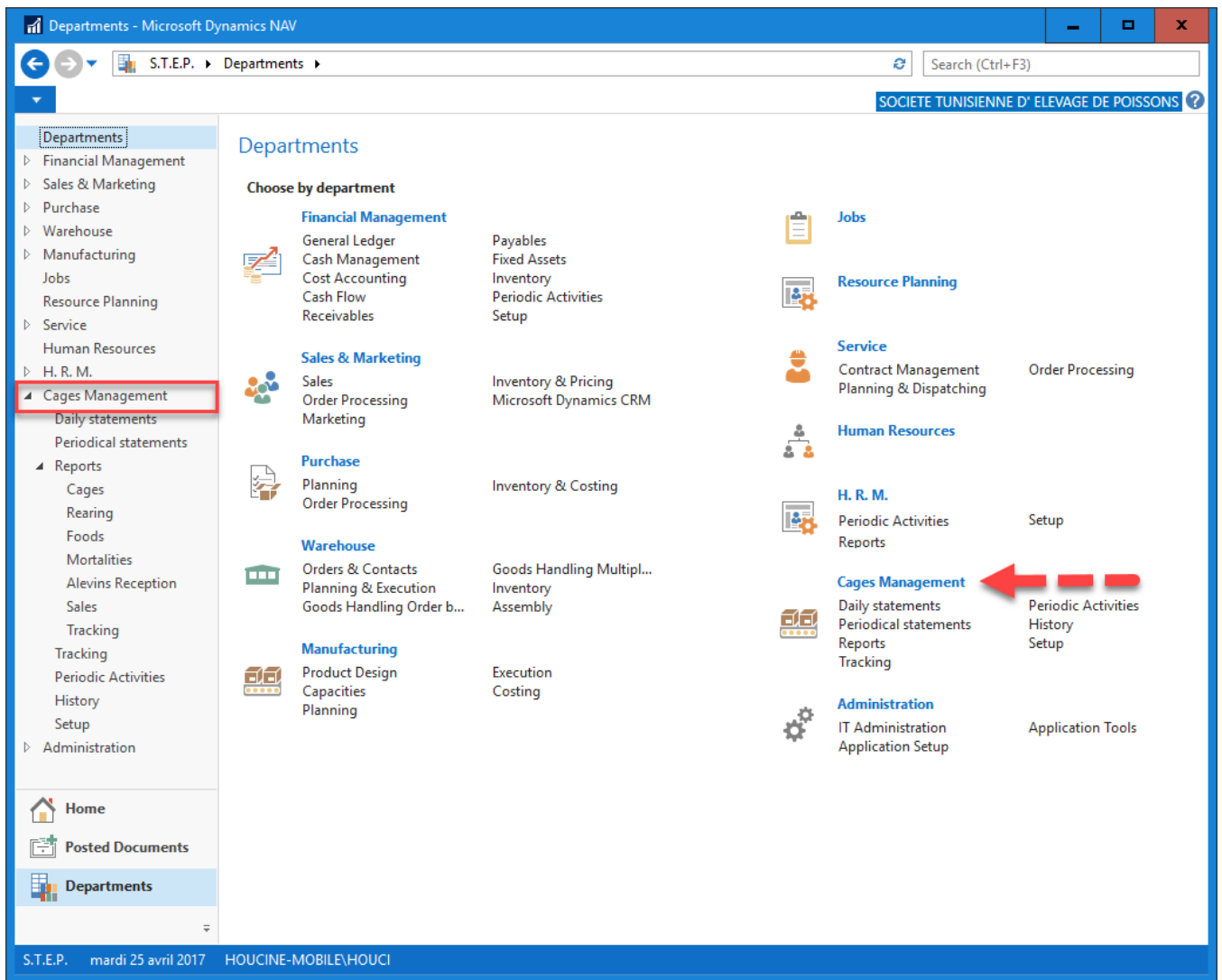
Grafted to the core of the Microsoft Dynamics Nav ERP 2016, and fully integrated Modules inventory, sale, purchase... the solution is completely compatible with Microsoft Office Tools (Excel, Word, and Outlook).

GENERAL INTRODUCTION

Microsoft Dynamics Nav, and specifically the management module of cages, includes all features to digitally record the daily actions performed on your production site (feeding, treatment, mortality, Sorting and transfers, fishing, analysis of the physicochemical parameters, etc.) and periodic actions (sampling, Emptying, Maintenance cages & nets, etc...).

Microsoft Dynamics Nav, can cross, analyze & trace all data through a user-friendly, ergonomic and intuitive interface but also through total integration with the different modules solution, see even integration with Microsoft office and PDF tools, all your reports are easily sent to Excel, Word, PDF.

Openness to other systems Via Web services, will make Microsoft Dynamics Nav software integrated management your production site. Microsoft Dynamics Nav can be used at all levels of your business: Production, trade, supply, Stocks, accounting, human resources, etc...



In addition to its Windows Client Interface, Microsoft Dynamics Nav is connectable via a Web Client on a PC, an Android Smartphone or tablet, so you can be connected anywhere and share information in real time or even to enter and post transactions.

TERMINOLOGY

Number: number of individual by cage expressed in room.

AW: average weight of an individual expressed in grams.

BIOM: biomass of a population expressed in grams.

ΔAW: Initial & Final average weight change.

ΔBIOM: Variation of initial biomass & final.

I.C: Index conversion is the conversion of food in the flesh.

Age: Age of a lot since the date of sowing.

LOT: identifies a population from the date of seeding up to fishing.

RR: rationing rate expressed in %.

GR: growth rate expressed in %.

DMR: daily mortality rates expressed in %.

ZOOTECHNICAL INDEXES FORMULAS

In progress cage:

Number = initial number - mortality + Trans (+) - Trans - (-) Sin + Regulation (+)

AW = the last sampling Average Weight

BIOM = number * AW (last sampling) / 1000

I.C. = \sum the quantity of food consumed / (Δ BIOM-mortality BIOM-BIOM Trans (+))

BIOM mortality = Δ AW * number mortality / 1000

BIOM Trans = transfer AW * number transferred / 1000

BIOM sale = AW of sale * number sold / 1000

Ration Rate = \sum the quantity of food consumed / average (BIOM) * 100 / Δ T

Growth Rate = Δ AW * 100 / AW_t - 1

Daily Mortality Rate = number of dead fish / number * 100

An Empty cage:

Number = initial number - mortality + Trans (+) - Trans - (-) Fishing + Regulation (+)

AW = Fishing AW

BIOM = number sin * AW (Fishing) / 1000

I.C. = \sum the quantity of food consumed / (Δ BIOM + BIOM mortality + BIOM Trans (+))

BIOM mortality (BM) = \sum of the BM

BIOM transfer (BT) = \sum of the BT

BIOM sale (BV) = \sum of the BS

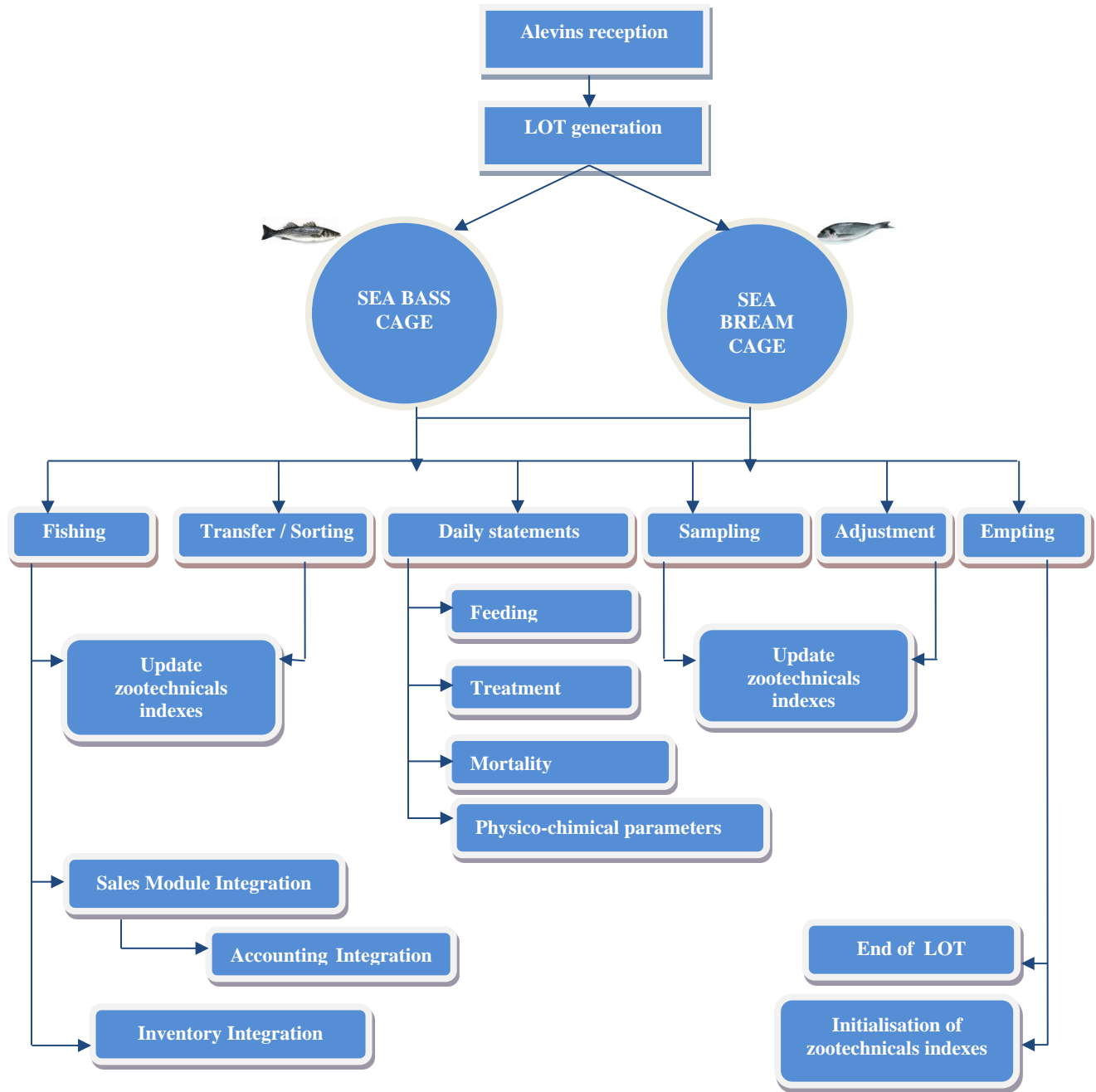
Ration Rate = \sum the quantity of food consumed / average (BIOM) * 100 / Δ T

Growth Rate = Δ (AW fishing - AW_i) * 100 / AW of the last sampling

Mortality Rate = \sum of the mortality rates of the period.

FISH FARMING BUSINESS PROCESS

The business process in a macroscopic way presentation is as follows:



SOLUTION

Interface

The main Menu of the business solution for the management of the cages in Microsoft Dynamics Nav, is illustrated as follows:

My Cages Table:

| Speci... | G... | S... | Pict... | Lot No. | Av... | Bi... | Act... | % Available stock | A... | D... |
|----------|-----------|-----------|---------|----------|-------|--------|---------|-------------------|-------|-------|
| C01 | Sea bass | 2017 B... | | 21041... | 5 | 400 | 80 000 | 100% | 65 | Da... |
| C02 | Sea br... | 2017 B... | | 21041... | 5 | 250 | 50 000 | 100% | 65 | Da... |
| C04 | Sea bass | 2015 B... | | 15071... | 317 | 72 ... | 229 397 | 95% | 1,... | Year |
| C06 | Sea bass | 2015 B... | | 25071... | 260 | 40 ... | 155 305 | 70% | 1,... | Year |
| C13 | Sea br... | 2015 B... | | 02081... | 360 | 2 520 | 7 000 | 100% | 6 | Da... |
| C14 | Sea br... | 2015 B... | | 03071... | 380 | 15 ... | 40 000 | 100% | 6 | Da... |
| C15 | Sea br... | 2015 B... | | 11081... | 340 | 2 380 | 7 000 | 100% | 6 | Da... |
| C16 | Sea br... | 2015 B... | | 03071... | 380 | 1 900 | 5 000 | 100% | 6 | Da... |

Cages Situation Lite Dashboard:

| Cage ID | Stock | Age | Other Metrics |
|---------|---------|-----------|---------------|
| C01 | 80 000 | 65 Days | 229 397 |
| C02 | 50 000 | 65 Days | 0 |
| C03 | 0 | - | - |
| C04 | 7 000 | 71 Days | 5 000 |
| C13 | 7 000 | 71 Days | 0 |
| C14 | 40 000 | 71 Days | 0 |
| C15 | 200 233 | 1,99 Year | 0 |
| C20 | 20 179 | 1,91 Year | 0 |
| C34 | 39 136 | 1,13 Year | 0 |
| R01 | 80 055 | 1,83 Year | 0 |
| R20 | 211 421 | 1,9 Year | 0 |
| R21 | 89 934 | 1,13 Year | 0 |
| S01 | 54 943 | 1,18 Year | 0 |
| V50 | 24 984 | - | 0 |
| X10 | 29 977 | - | 0 |
| Y10 | 24 987 | - | 0 |

Biomass Evolution Chart:

The chart shows the average weight of fish over time for different cages. The Y-axis represents weight (0 to 600), and the X-axis represents cage IDs (C01, C02, C04, C06, C13, C14, C15, C16, C18, C20, R01, R13, R17, R20, R21, V50, Y10, Z10). The legend indicates three data series: Init. Average weight (blue), Theoretical Average Weight (red), and Average weight (green).

This Menu and dashboard, emanates from the Cages Manager Profile (customizable), which he can see, from the opening of its session, a list of these cages with the necessary data, Code, Species, Generation, Lot No., Stock, AW, BIOM, IC...

More details are available from the cage card below:

General information:

View - Cage card - C06 - Sea bass - 2015

HOME ACTIONS SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Edit New Delete Picture List Ledg. Entries Fishing entries Food entries Mortality entries Treatment entries Sampling entries Transfer entries Graphic cages situation Cage card... Tracking report... OneNote Notes Links Refresh Clear Filter Go to Previous Next


C06 - Sea bass - 2015

General

Code: C06
Description: C06
Species: Sea bass
Generation: 2015
Lot No.: 250715ATULC6
Situation: Busy
Age: 1,93 Year
Origin species: TN
Cage type: Floating
Diameter: 0,000
Net type:
Mesh Net: Mesh 6 m
Food vendor: 110080
Food vendor name: BIOMAR
Alevis supplier: 100500
Alevis supplier name: L'AQUACULTURE TUNISIENNE
Cages supplier:
Cages supplier name:
Nets supplier:
Nets supplier name:
Avail. stock %: 70%

Zootechnical Indices

| Actuals | Previous | Theoretical | Stock |
|-------------------------|----------------------------------|-----------------------------------|------------------------------|
| Number: 155 305 | Previous number: 155 305 | Theoretical Average Weight: 0 | Initial stock: 220 400 |
| Average weight: 260 | Previous Average weight: 260 | Cumulation Average Weight: 100,03 | Cumulation Fishes: -64 786 |
| Biomass: 40 379,3 | Previous Biomass: 40 379,3 | Cumulation Mortalities: 0 | Cumulation Mortalities: -309 |
| Delta Biomass: 36 285,3 | Previous Delta Biomass: 16 970,8 | Cumulation transfers: 0 | Cumulation transfers: 0 |
| Conversion index: 0,33 | Previous conversion index: 0,32 | Conversion index Theo.: 2 | 155 305 |



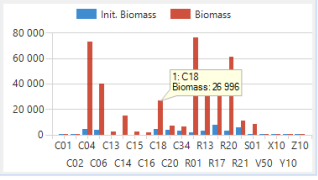
Cage statistics FactBox

Foods
Food Qty.: 11 985
Feeding days: 49

Biomass
Biomass Fishing: -917 393,7
Biomass Mortality: 0
Biomass Transfer: 0

Average weight evolution

Biomass evolution



Close

History information:

View - Cage card - C06 - Sea bass - 2015

HOME ACTIONS SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Edit New Delete Picture List Ledg. Entries Fishing entries Food entries Mortality entries Treatment entries Sampling entries Transfer entries Graphic cages situation Cage card... Tracking report... OneNote Notes Links Refresh Clear Filter Go to Previous Next

C06 - Sea bass - 2015

General C06 | Sea bass | 2015 | 250715ATULC6 | 110080

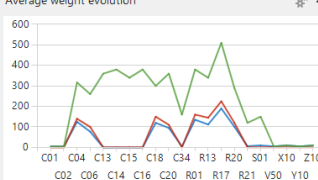
History

| | | | |
|-----------------------|------------|---------------------------|------------------|
| Seeding date: | 25/07/2015 | Last cleaning date: | 20/04/2017 |
| Last entry date: | 25/07/2015 | Last maintenance date: | |
| Last output date: | | Last Biomass update: | 21/04/2017 |
| Last emptying date: | | Last date modification: | 21/04/2017 11:01 |
| Last transfer date: | | Date cage installation: | |
| Last adjustment date: | | Date net installation: | |
| Last sampling date: | 11/04/2017 | Life net (Years): | 0 |
| Last feeding date: | 21/04/2017 | Date replacing net Theo.: | |
| Last treatment date: | 20/04/2017 | | |

Picture

Cage statistics FactBox

Average weight evolution



Biomass evolution

Microsoft Outlook

Notes

My Notifications

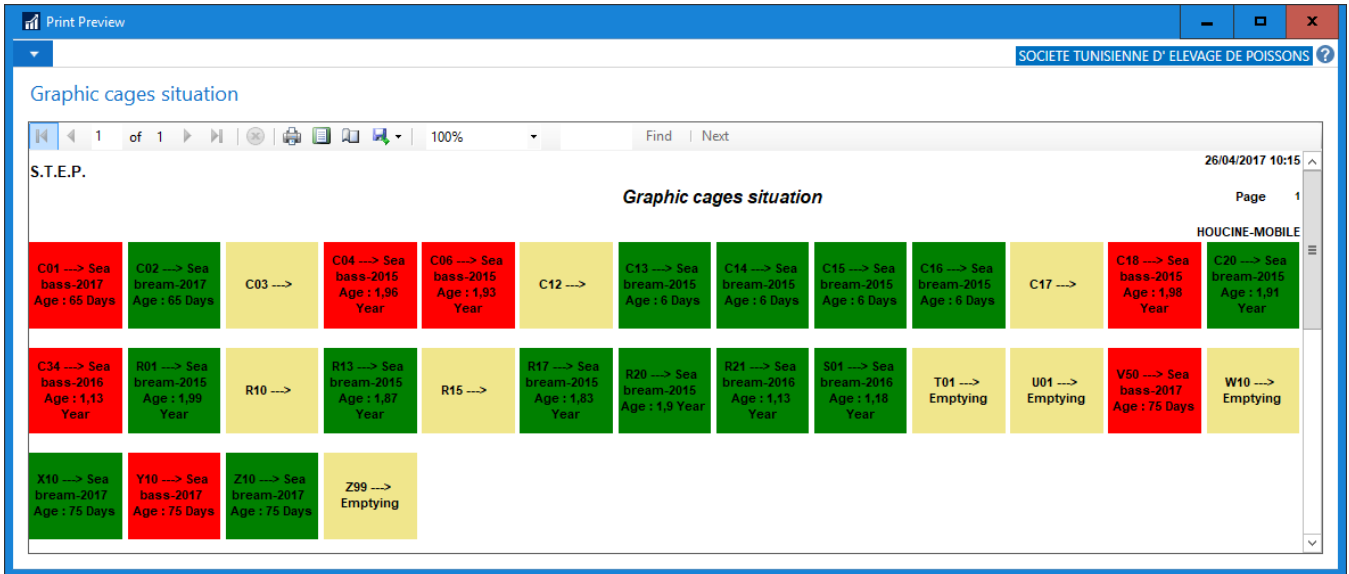
Links

Close

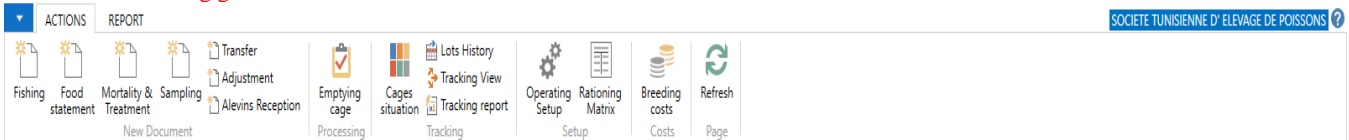
Overview chart of the cages:



Ability to print the cages with the desired filters, Specie, Generation, and Situation (Empty, Full, Made empty)...



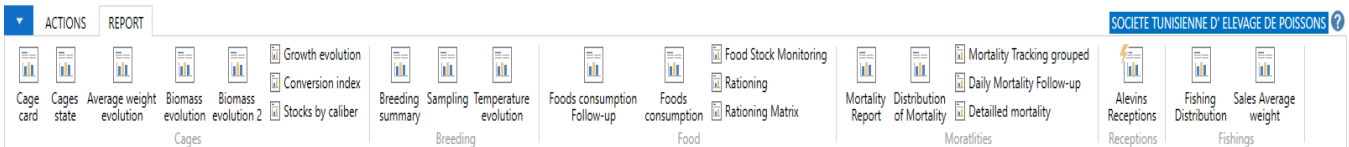
NB: The colors being green for sea bream and red for the sea bass.



The Ribbon above includes the features mentioned in the part of the business process:

All daily and periodic operations, namely fishing, feeding, mortality & treatment, sampling, transfer, Alevins receipt, regularization, emptying...

A component of reporting by category is also available to follow the cycle of breeding and growth in these phases.



Daily statements

Daily statements concerns the whole of surveys actions namely, feeding, collecting mortality, applying treatments, fishing...

We illustrate a few examples below:

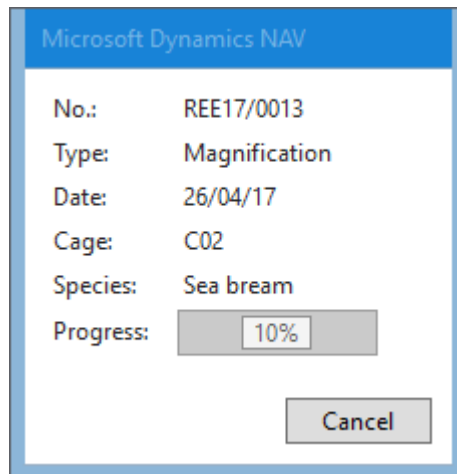
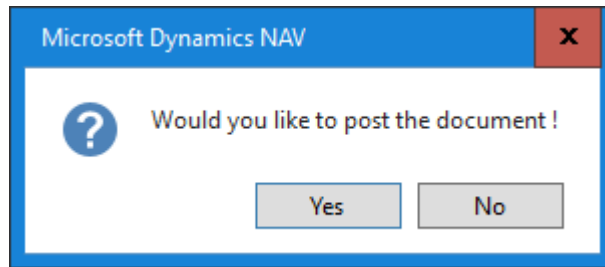
Feeding:

The basis daily statements allows users a certain ease & flexibility in terms of data processing,

The temperature is to be calculated on the basis of the average of the last five days, as it is entered manually. User proposes (1) cages to feed, then automatically calculates the rate of (2) rationing since a matrix of rationing already integrated in the database, and the system offers us a theoretical ration and an adequate food since the stock & available lot.

OK

Following the Posting (4), the quantities of food are deducted automatically from the stocks.



Mortality:

The basis mortality daily statement allows users a certain ease & flexibility in terms of data manipulation,

The user suggest these cages (1), then the temperature, and the cage mortality quantities.

A type of skimming (mortality) is to be informed, by line, in case of Pathology detected or other reasons.

New - Mortalities Header - Mortality Treatment & Maintenance - REE17/0014 - 26/04/2017

HOME ACTIONS SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

1 2 3

Mortality Treatment & Maintenance - REE17/0014 - 26/04/2017

General

No.: REE17/0014 Oxygen: 6,5
 Document Date: 26/04/2017 Operator: HK
 Temperature: 20,0 Total died: 313
 Status: Open


Mortalities Line SubPage

| Cage code | Species | Generation | Lot No. | Note | Qty. Mortality 1 | Qty. Mortality 2 | Total Qty. Mortality | Skimming 1 | Qty. Skimming 1 | Skimming 2 | Qty. Skimming 2 | Remarques |
|-----------|-----------|------------|---------------|-------------------------|------------------|------------------|----------------------|------------|-----------------|------------|-----------------|-------------------------|
| C01 | Sea bass | 2017 | 210417ATU... | Fishing | 5 | 2 | 7 | | | | 2 | Fishing |
| C02 | Sea bream | 2017 | 210417ATU... | Fishing | 10 | 3 | 13 | | | | 8 | Fishing |
| C04 | Sea bass | 2015 | 150715ATUL... | Parasitic Control | 8 | 2 | 10 | | | | 5 | Parasitic Control |
| C06 | Sea bass | 2015 | 250715ATUL... | Parasitic Control | 15 | 5 | 20 | | | | 15 | Parasitic Control |
| C13 | Sea bream | 2015 | 020815ATUD... | Parasitic Control | 25 | 10 | 35 | | | | 30 | Parasitic Control |
| C14 | Sea bream | 2015 | 030715ATUD... | Parasitic Control | 7 | 8 | 15 | | | | 10 | Parasitic Control |
| C15 | Sea bream | 2015 | 110815ATUD... | Repair | 12 | 7 | 19 | | | | 14 | Repair |
| C16 | Sea bream | 2015 | 020715ATUD... | Cleaning & Disinfection | 15 | 10 | 25 | | | | 20 | Cleaning & Disinfection |

Totals

T. Mortality 1: 213,00 T. Mortality: 313,00
 T. Mortality 2: 100,00 Lines: 21

Treatment Line SubPage
 Maintenance Line SubPage
 History

Notes
 Line Details FactBox
 Cage

 Number: 80 000
 Biomass: 400
 Average weight: 5
 Delta-Biomass: 0
 conversion index: 0,00
 Microsoft Outlook
 Mail
 Boîte de réception: 0
 Calendar
 Tasks

OK

(3) Posting results automatically update inventory in terms of the number on the cage card.

The system will keep a mirror of the previous values (AW, BIOM, number...), after each manipulation.

Fishing:

The entry of the fishing is done through biomass fished and the AW of the population determined.

The system detects the quantity in Kg, the Item No. adequate (in Commercial side), according to size, in sale part to power the stock finished product for the delivery.


Edit - Fishing - ARTICLE - ALIMSTK - 10000

HOME ACTIONS NAVIGATE SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

ARTICLE - ALIMSTK - 10000

Batch Name: ALIMSTK

| Posting Date | Cage code | Client | Nom Client | Biomasse | Nombre | Quant... | Poids Moyen | Species | Generation | N° de Lot | Family code | Catégorie Article | Shipm... No. | Item No. | Description |
|--------------|-----------|--------|-----------------------------|----------|--------|----------|-------------|-----------|------------|--------------|-------------|-------------------|--------------|----------|-------------------|
| 26/04/2017 | C18 | 21001 | MARCHE DE GROS TUNIS | 2 500 | 7143 | 2 500 | 350 | Sea bass | 2015 | 090715ATU... | L | Fresh | | LM | LOUP DE MER M |
| 26/04/2017 | C20 | 21001 | MARCHE DE GROS TUNIS | 3 000 | 7500 | 3 000 | 400 | Sea bream | 2015 | 020815ATU... | D | Fresh | | DM1 | Daurade Royale M1 |
| 26/04/2017 | R01 | 21005 | MAGASIN GÉNÉRALE | 6 000 | 15000 | 6 000 | 400 | Sea bream | 2015 | 030715ATU... | D | Fresh | | DM1 | Daurade Royale M1 |
| 26/04/2017 | R17 | 21004 | MONTREAL INTERNATIONAL FISH | 5 000 | 8333 | 5 000 | 600 | Sea bream | 2015 | 180815ATU... | D | Fresh | | DG2 | DAURADE ROYALE 2G |

Species
 Cage

 Number: 89 978
 Biomass: 26 993,4
 Average weight: 300
 Delta-Biomass: -3
 conversion index: 0,48
 Notes
 Microsoft Outlook
 Mail
 Boîte de réception: 0
 Calendar
 Tasks

Item Description: LOUP DE MER M 4

OK

Periodicals Statements

Periodic statements concerns the whole of the manipulations namely, sampling, emptying cages, the Maintenance of cages & nets, the transfers...and Alevins Reception.

We illustrate a few examples below:

Alevins Reception

Reception of the Alevins mark the beginning of the breeding process and the date of seeding of the population or the generation which will bring a batch number and who will follow it up to the total treatment of the cage in question.

Following the Posting of the receipt and the cage card we can see the impact:

Alevins Reception - REC-17/003 - 26/04/2017

General

No.: REC-17/003
 Document Date: 26/04/2017
 Alevins vendor: 100500
 Alevins vendor name: L'AQUACULTURE TUNISIENNE
 Transport way: Bateau
 Transport Ref.: 1248TU1478

Transport nomenclature: BARBAROUSSE
 Provenance cage type:
 Provenance cage:
 Operator: HK
 Status: Released

Reception Line SubPage

| Cage code | Species | Generation | Lot No. | Quantity | Average weight | Biomass | Age Insemination (D) | Unit cost (Alevins) | Total cost (Alevins) | Position | Dispersi... Rate | Coef. of Variation | Uncapped % | Twisted % | Oral Malformatio... |
|-----------|-----------|------------|------------------------|----------|----------------|---------|----------------------|---------------------|----------------------|-------------|------------------|--------------------|------------|-----------|---------------------|
| C03 | Sea bass | 2017 | 260417ATUSEA BASSC03 | 130 000 | 5 | 650 | 120 | 0,450 | 58 500,000 | Homogeneous | 0 | 0 | 0 | 0 | 0 |
| C12 | Sea bream | 2017 | 260417ATUSEA BREAMC... | 180 000 | 5 | 900 | 120 | 0,450 | 81 000,000 | Homogeneous | 0 | 0 | 0 | 0 | 0 |

C03 and C12 cages, after Posting of the receipt:

My Cages

| Code | Species | Generation | Picture | Lot No. | Situation | Average weight | Biomass | Age | Days / Year | Initial stock | Cumulation Mortalities | Actual stock | Avail. stock % | Convers ind |
|------|-----------|------------|---------|------------------|-----------|----------------|-----------|------|-------------|---------------|------------------------|--------------|----------------|-------------|
| C01 | Sea bass | 2017 | | 210417ATUSEA ... | Busy | 5 | 399,97 | 65 | Days | 80 000 | -7 | 79 993 | 100% | |
| C02 | Sea bream | 2017 | | 210417ATUSEA ... | Busy | 5 | 249,94 | 65 | Days | 50 000 | -13 | 49 987 | 100% | |
| C03 | Sea bass | 2017 | | 260417ATUSEA ... | Busy | 5 | 650 | 120 | Days | 130 000 | 0 | 130 000 | 100% | |
| C04 | Sea bass | 2015 | | 150715ATULC4 | Busy | 317 | 72 715,68 | 1,96 | Year | 241 654 | -267 | 229 387 | 95% | 0 |
| C06 | Sea bass | 2015 | | 250715ATULC6 | Busy | 260 | 40 374,1 | 1,93 | Year | 220 400 | -329 | 155 285 | 70% | 0 |
| C12 | Sea bream | 2017 | | 260417ATUSEA ... | Busy | 5 | 900 | 120 | Days | 180 000 | 0 | 180 000 | 100% | |
| C13 | Sea bream | 2015 | | 020815ATUDC20 | Busy | 360 | 2 507,4 | 126 | Days | 0 | -35 | 6 965 | 100% | 0 |
| C14 | Sea bream | 2015 | | 030715ATUDR1 | Busy | 380 | 15 194,3 | 126 | Days | 0 | -15 | 39 985 | 100% | 0 |
| C15 | Sea bream | 2015 | | 110815ATUDR13 | Busy | 340 | 2 373,54 | 126 | Days | 0 | -19 | 6 981 | 100% | 0 |
| C16 | Sea bream | 2015 | | 030715ATUDR1 | Busy | 380 | 1 890,5 | 126 | Days | 0 | -25 | 4 975 | 100% | 0 |
| C17 | | 0 | | | | 0 | 0 | 0 | Days | 0 | 0 | 0 | 0% | |

One upgrade is automatic of the zootechnical indexes (AW, BIOM, IC,...) has each manipulation on the cage, in addition to age, the stock, the amount of food consumed, the cumulative mortality,...).

Sampling:

The Sampling, is one of the best handling, (also fishing), who can best determine the average weight of the cages.

HOME ACTIONS SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS ?

View Edit New Delete Manage Release Reopen Post... Post and Print... OneNote Notes Links Refresh Clear Filter Page Go to Previous Next

Sampling · ECH-17/0005 · 26/04/2017

General

No.: ECH-17/0005 Oxygen:

Document Date: 26/04/2017 Operator: HK

Temperature: 20 Status: Released

Sampling Line SubPage


Graphic situation cages Cage card New Find Filter Clear Filter

| Cage code | Species | Generation | Cycle | Lot No. | New Average weight | Quantity | Dispersion Rate | Growth Rate | Growth speed | Remarques |
|-----------|-----------|------------|-------|---------------|--------------------|----------|-----------------|-------------|--------------|-----------|
| C04 | Sea bass | 2015 | | 150715ATULC4 | 350 | 100 | 0 | 0 | 0 | |
| C06 | Sea bass | 2015 | | 250715ATULC6 | 300 | 100 | 0 | 0 | 0 | |
| C13 | Sea bream | 2015 | | 020815ATUDC20 | 400 | 100 | 0 | 0 | 0 | |
| C14 | Sea bream | 2015 | | 030715ATUDR1 | 400 | 100 | 0 | 0 | 0 | |
| C15 | Sea bream | 2015 | | 110815ATUDR13 | 380 | 100 | 0 | 0 | 0 | |
| C16 | Sea bream | 2015 | | 030715ATUDR1 | 420 | 100 | 0 | 0 | 0 | |
| C18 | Sea bass | 2015 | | 090715ATULC18 | 380 | 100 | 0 | 0 | 0 | |
| C20 | Sea bream | 2015 | | 020815ATUDC20 | 400 | 100 | 0 | 0 | 0 | |
| R01 | Sea bream | 2015 | | 030715ATUDR1 | 420 | 100 | 0 | 0 | 0 | |
| R13 | Sea bream | 2015 | | 110815ATUDR13 | 400 | 100 | 0 | 0 | 0 | |
| R17 | Sea bream | 2015 | | 180815ATUDR17 | 550 | 100 | 0 | 0 | 0 | |
| R20 | Sea bream | 2015 | | 060815ATUDR20 | 350 | 100 | 0 | 0 | 0 | |

Notes

Line Details FactBox

Cage



Number: 155 285
Biomass: 40 374,1
Average weight: 260
Delta-Biomass: 36 280,1
conversion index: 0,34

Microsoft Outlook

Mail
Boite de réception: 0
Calendar
Tasks

Lines: 12

History

OK

The new Average Weight will replace the old on the cage card after Posting of the sampling.

The system will save the previous values (AW, BIOM, Number...), after each manipulation.

Emptying:

Implementing will empty cages or also called drain by some breeders, put the cage after an operation of ultimate sin, or a replacement of cage, or a total transfer.

All data of the cage will be initialized is will mark the end of a lot of a fish population.

In the home Ribbon we can see the appropriate function:

ACTIONS REPORT

Fishing Food statement Mortality & Treatment Sampling Transfer Adjustment Alevins Reception

New Document

Emptying cage Processing

Cages situation Tracking Lots History Tracking View Tracking report

Operating Setup Rationing Matrix Breeding costs Refresh

Setup Matrix Costs Page

Edit - Emptying cages

ACTIONS SOCIETE TUNISIE...

Clear Filter Page

Cage code: Z99

Species: Sea bass

Generation: 2017

Emptying date: 26/04/2017

Emptying reason: Tail of Lot

Emptying Description: Tail of Lot Fish

Warning ! The launch of this treatment will initialize the cage !

Schedule... OK Cancel

Setting empty is to initialize all values in the cage, and will mark the end of a cycle of production and purification of a lot of fish.

Microsoft Dynamics NAV

Are you sure to empty this cage !

Yes No

Microsoft Dynamics NAV

Cage: Z99

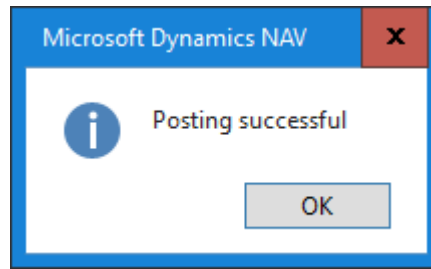
Lot No.: 110417ATUSEA BASS...

Species: Sea bass

Generation: 2017

Progress: 100%

Cancel



By consulting the Z99 cage, we notice that the cage is empty, with initialized values.

Cages List

| Code | Species | Generation | Picture | Cycle | Lot No. | Situation | Average weight | Biomass | Age Days / Year | Initial stock | Cumulation Mortalities | Actual stock | Avail. stock % | Conversion index |
|------|-----------|------------|---------|-------|-----------------------|-----------|----------------|----------|-----------------|---------------|------------------------|--------------|----------------|------------------|
| Z99 | | 0 | | | | Emptying | 0 | 0 | 0 Days | 0 | 0 | 0 | 0% | 0 |
| Z10 | Sea bream | 2017 | | 01 | 110417ATUSEA BREA... | Busy | 10 | 299,8 | 75 Days | 30 000 | -20 | 29 980 | 100% | 0 |
| Y10 | Sea bass | 2017 | | 01 | 110417ATUSEA BASSY... | | | | | | | | 100% | 0 |
| X10 | Sea bream | 2017 | | 01 | 110417ATUSEA BREA... | | | | | | | | 100% | 0 |
| W10 | | 0 | | | | | | | | | | | 100% | 0 |
| V50 | Sea bass | 2017 | | 01 | 110417ATUSEA BASSY... | | | | | | | | 100% | 3,15 |
| U01 | | 0 | | | | | | | | | | | 100% | 0 |
| T01 | | 0 | | | | | | | | | | | 100% | 0 |
| S01 | Sea bream | 2016 | | | 110416ATUDS01 | | | | | | | | 100% | 0,29 |
| R21 | Sea bream | 2016 | | | 270416ATUDR21 | | | | | | | | 90% | 0,42 |
| R20 | Sea bream | 2015 | | | 060815ATUDR20 | | | | | | | | 82% | 0,29 |
| R17 | Sea bream | 2015 | | | 180815ATUDR17 | | | | | | | | 41% | 0,5 |
| R15 | | 0 | | | | | | | | | | | 0% | 0 |
| R13 | Sea bream | 2015 | | | 110815ATUDR13 | | | | | | | | 94% | 0,34 |
| R10 | | 0 | | | | | | | | | | | 0% | 0 |
| R01 | Sea bream | 2015 | | | 030715ATUDR1 | | | | | | | | 100% | 0,29 |
| C34 | Sea bass | 2016 | | | 270416ATULC34 | | | | | | | | 65% | 0,36 |
| C20 | Sea bream | 2015 | | | 020815ATUDC20 | | | | | | | | 5% | 5,63 |
| C18 | Sea bass | 2015 | | | 090715ATULC18 | | | | | | | | 40% | 0,42 |
| C17 | | 0 | | | | | | | | | | | 100% | 0 |
| C16 | Sea bream | 2015 | | | 030715ATUDR1 | | | | | | | | 100% | 0,02 |
| C15 | Sea bream | 2015 | | | 110815ATUDR13 | Busy | 380 | 2 652,78 | 126 Days | 0 | -19 | 6 981 | 100% | 0,02 |
| C14 | Sea bream | 2015 | | | 030715ATUDR1 | Busy | 400 | 15 994 | 126 Days | 0 | -15 | 39 985 | 100% | 0,02 |
| C13 | Sea bream | 2015 | | | 020815ATUDC20 | Busy | 400 | 2 786 | 126 Days | 0 | -35 | 6 965 | 100% | 0,02 |

Maintenance:

Maintenance of cages, will track all the actions performed on the cages & nets in order to trace the interventions and predict future actions in terms of net change, cleaning...

Mortality Treatment & Maintenance - REE17/0015 - 26/04/2017

General

No.: REE17/0015
 Document Date: 26/04/2017
 Temperature: 20,0
 Oxygen: 6,5
 Operator:
 Total died: 15
 Status: Released

Mortality Treatment & Maintenance - REE17/0015 - 26/04/2017

| Cage code | Species | Generati... | Cycle | Lot No. | Intervention type | Intervention description |
|-----------|-----------|-------------|-------|-----------------------|-------------------|--------------------------|
| V50 | Sea bass | 2017 | 01 | 110417ATUSEA BASSY50 | Miscellaneous | Net Cleaning |
| X10 | Sea bream | 2017 | 01 | 110417ATUSEA BREAMX10 | Miscellaneous | Net Cleaning |
| Y10 | Sea bass | 2017 | 01 | 110417ATUSEA BASSY10 | Miscellaneous | Net Cleaning |
| Z10 | Sea bream | 2017 | 01 | 110417ATUSEA BREAMZ10 | Miscellaneous | Net Cleaning |

TOTAL INTEGRATION

Grafted to the core of the ERP, cages Management Module is totally integrated to inventory, sales, purchases and therefore to the General Ledger.

The screenshot displays the NAVISOFT software interface. At the top, there is a navigation bar with 'HOME' and 'ACTIONS' tabs. Below this is a toolbar with various icons for navigation and actions. The main area shows a list of 'Posted statements' with columns for No., Statement Type, Document Date, Operator, Temperature, Maintenance, and Status. A specific statement, REE+17/0012 (Fooding), is selected. A pop-up window titled 'Edit - Navigate - Selected - Item Ledger Entry' is overlaid on the right, showing a 'Document' section with 'Document N...' set to 'REE+17/0012' and 'Posting Da...' set to '26/04/17'. Below this, a table lists 'Related Entries' with columns for the entry type and 'No. of Entries'. The 'Cage Entries' row is highlighted with a red box, showing a value of 21. The 'Source' section at the bottom of the pop-up contains fields for 'Document Ty...', 'Source No.', 'Source Type', and 'Source Na...'.

| No. | Statement Type | Document Date | Operator | Temperature | Maintenance | Status |
|-------------|-----------------------------------|---------------|----------|-------------|-------------------------------------|----------|
| REE+17/0003 | Mortality Treatment & Maintenance | 01/04/2017 | | 0 | <input checked="" type="checkbox"/> | Released |
| ECH+17/0002 | Sampling | 11/04/2017 | | 0 | <input type="checkbox"/> | Released |
| REC+17/0001 | Alevins Reception | 11/04/2017 | | 0 | <input type="checkbox"/> | Released |
| REE+17/0001 | Fooding | 11/04/2017 | | 20,41 | <input type="checkbox"/> | Released |
| REE+17/0004 | Mortality Treatment & Maintenance | 11/04/2017 | | | | |
| TRP+17/0001 | Transfer | 11/04/2017 | | | | |
| REE+17/0005 | Fooding | 12/04/2017 | | | | |
| REE+17/0006 | Mortality Treatment & Maintenance | 12/04/2017 | | | | |
| REE+17/0007 | Fooding | 17/04/2017 | | | | |
| REE+17/0008 | Mortality Treatment & Maintenance | 17/04/2017 | | | | |
| ECH+17/0003 | Sampling | 20/04/2017 | | | | |
| REE+17/0009 | Fooding | 20/04/2017 | | | | |
| REE+17/0010 | Mortality Treatment & Maintenance | 20/04/2017 | | | | |
| TRP+17/0005 | Transfer | 20/04/2017 | | | | |
| REC+17/0002 | Alevins Reception | 21/04/2017 | | | | |
| REE+17/0011 | Fooding | 21/04/2017 | | | | |
| ECH+17/0004 | Sampling | 26/04/2017 | | | | |
| REC+17/0003 | Alevins Reception | 26/04/2017 | | | | |
| REE+17/0012 | Fooding | 26/04/2017 | | | | |
| REE+17/0013 | Mortality Treatment & Maintenance | 26/04/2017 | | | | |
| REE+17/0014 | Mortality Treatment & Maintenance | 26/04/2017 | | | | |
| TRP+17/0006 | Transfer | 26/04/2017 | | | | |
| TRP+17/0007 | Transfer | 26/04/2017 | | | | |
| TRP+17/0008 | Transfer | 26/04/2017 | | | | |

| Related Entries | No. of Entries |
|-------------------|----------------|
| Item Ledger Entry | 21 |
| Value Entry | 21 |
| Cage Entries | 21 |

By using a food statement, we can see the interaction with stocks following the Posting of consumption of food;

Sales Business process

The sales module is interacting with the technical module (Fish farming Module), traceability is ensured on the sale to determine per customer and per delivery, what Lot No. of fish was delivered to.

In case of claim or incident, original and backward traceability is now possible.

For export and local sales, management of barcode for each package, was planned as well.

To the Tunisian market, a specificity for selling to the wholesale markets is required by all the costs generated in each billing.

The packing list is also topical in this module is also managed automatically.

We illustrate an example of flow of sales for 3 possible cases, local sales, Export sales and wholesales Market (Tunisian specificity).

Local sales

Invoicing case,

VF-17/0002 - MAGASIN GÉNÉRALE

SOCIÉTÉ TUNISIENNE D'ÉLEVAGE DE POISSONS

1 2 3

General

Sell-to Customer No.: 21005
 Sell-to Customer Name: MAGASIN GÉNÉRALE
 Sell-to City: TEBOULBA
 N° Bon d'accompagnement: *
 Stamp Fiscal:

Posting Date: 26/04/2017
 Document Date: 26/04/2017
 External Document No.:
 Status: Released

Customer Statistics

Customer No.: 21005
 Balance (LCY): 7 077,000
Sales
 Outstanding Ord...: 0,000
 Shipped Not Inv...: 0,000
 Outstanding Inv...: 2 530,000
Service
 Outstanding Ser...: 0,000
 Serv Shipped No...: 0,000
 Outstanding Ser...: 0,000
 Total (LCY): **9 627,000**
 Credit Limit (LCY): 4 000,000
 Overdue Amount...: 7 077,000
 Total Sales (LCY): 0,000
 Invoiced Prepay...: 0,000

Lines

| Type | No. | Cross-Ref... No. | Description | Quantity | Unit of Measur... | Cage code | Package code | Package Number | Gross Weight Pack. | Net Weight Pack. | Unit Price Excl. VAT | Line Amount Excl. VAT | Line Discount |
|------|-----|---------------------|------------------|----------|----------------------|-----------|-----------------|-------------------|-----------------------|---------------------|-------------------------|--------------------------|---------------|
| Item | DM | | DAURADE ROYALE M | 150 | KG | C02 | C10 | 15 | 183 | 10 | 7,000 | 1 050,000 | |
| Item | LM | | LOUP DE MER M | 150 | KG | C01 | C10 | 15 | 183 | 10 | 10,000 | 1 500,000 | |

Invoice Discount Amount: 0,000
 Invoice Discount %: 0

Total Excl. VAT (TND): 2 550,000
 Total VAT (TND): 0,000
Total Incl. VAT (TND): 2 550,000

Invoicing: 21005 | 26/04/2017
 Shipping: 5080 | 26/04/2017
 Foreign Trade

Item Details - Invoic...
 Item No.: DM
 Costing Method: FIFO
 Cost is Adjusted: No
 Cost is Posted to ...: Yes
 Standard Cost: 0,000
 Unit Cost: 0,000
 Overhead Rate: 0,000
 Indirect Cost %: 0
 Last Direct Cost: 0,000
 Profit %: 0
 Unit Price: 0,000

OK

Verification of the data entry,



Test Invoice VF-17/0002

| | |
|--|------------------------------|
| Sell-to 21005 MAGASIN GÉNÉRALE | Posting Date 26/04/17 |
| VAT Reg. | Ext. Doc. No. : |
| C. R. : | Exoneration Num.: |
| | Exoneration Date : |
| | Contact : |

| No. | Description | Quantity | Unit | Unit Price | Disc. % | VAT % | Amount |
|-----|------------------|----------|------|------------|---------|---------|-----------|
| DM | DAURADE ROYALE M | 150 | KG | 7,000 | | SANSTVA | 1 050,000 |
| LM | LOUP DE MER M | 150 | KG | 10,000 | | SANSTVA | 1 500,000 |

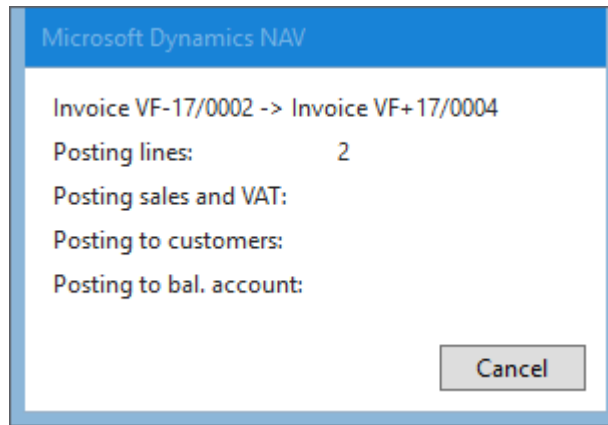
| | |
|---------------------|-----------|
| Total TND Excl. VAT | 2 550,000 |
| Inv. Discount | 0,000 |
| Net Without Taxes | 2 550,000 |
| Stamp : | 0,500 |
| Total TND Incl. VAT | 2 550,500 |

Stopped the present invoice to the sum of :

Two Thousand Five Hundred Fifty

1

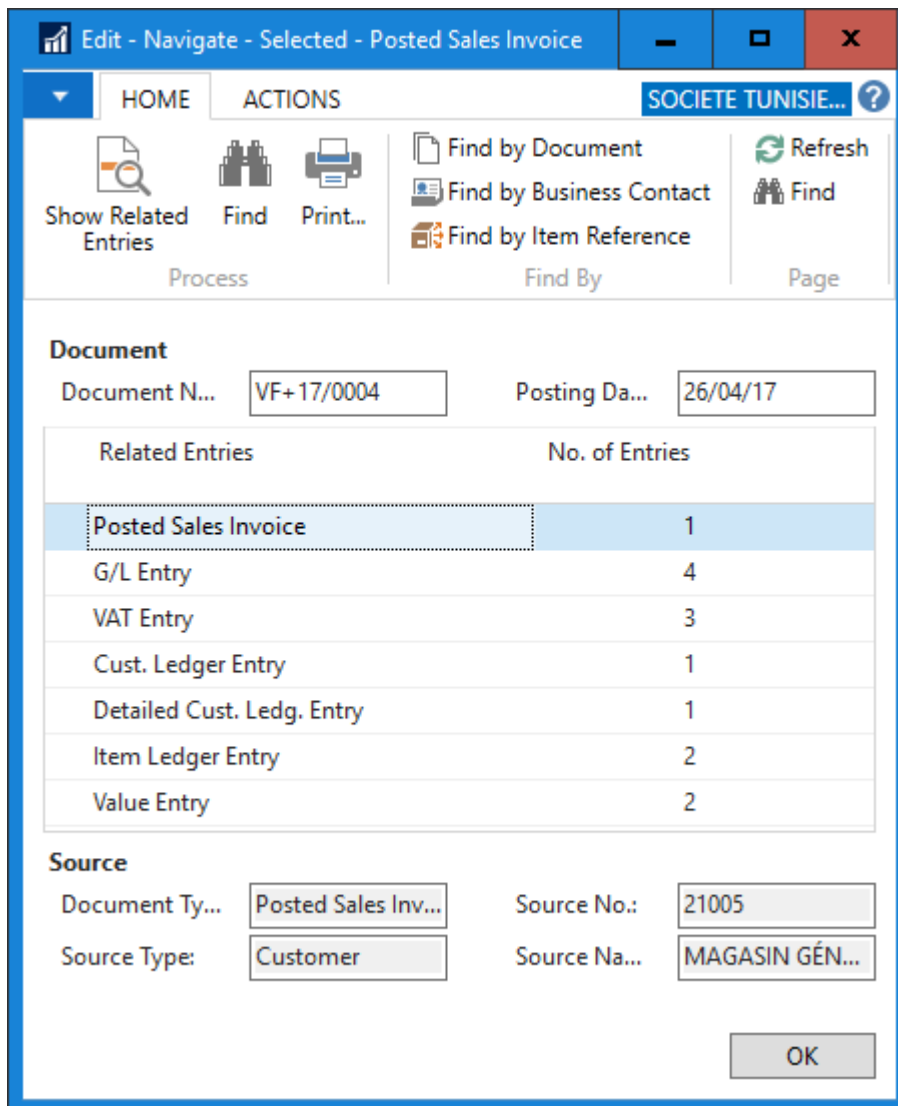
Posting the document;



Following the Posting of the invoice, the stock is hectic, and accounting is fed automatically.

We can edit the final invoice and delivery if we chose to generate a Shipment on invoice.

The effect of Posting in an ERP environment, translates the generation of accountants entries, auxiliary entries and stock.



Export sales

VF-17/0003 - MONTREAL INTERNATIONAL FISH

General

Sell-to Customer No.: 21004
 Sell-to Customer Name: MONTREAL INTERNATIONAL FISH
 Sell-to City: MONTREAL
 N° Bon d'accompagnement: *
 Stamp Fiscal:

Posting Date: 26/04/2017
 Document Date: 26/04/2017
 External Document No.:
 Status: Open

Lines

| Type | No. | Cross-Ref. No. | Description | Quantity | Unit of Measur... | Cage code | Package code | Package Number | Gross Weight Pack. | Net Weight Pack. | Unit Price Excl. VAT | Line Amount Excl. VAT | Line Discount |
|------|-----|----------------|------------------|----------|-------------------|-----------|--------------|----------------|--------------------|------------------|----------------------|-----------------------|---------------|
| Item | LG | | LOUP DE MER G | 200 | KG | C18 | C10 | 20 | 244 | 10 | 8,00 | 1 600,00 | |
| Item | DG | | DAURADE ROVALE G | 200 | KG | R17 | C10 | 20 | 244 | 10 | 7,00 | 1 400,00 | |
| Item | LM | | LOUP DE MER M | 150 | KG | C01 | C10 | 15 | 183 | 10 | 6,00 | 900,00 | |
| Item | DM | | DAURADE ROVALE M | 150 | KG | C02 | C10 | 15 | 183 | 10 | 4,50 | 675,00 | |

Invoice Discount Amount: 0,00
 Invoice Discount %: 0

Total Excl. VAT (CAD): 4 575,00
 Total VAT (CAD): 0,00
Total Incl. VAT (CAD): 4 575,00

Invoicing: 21004 | 26/04/2017
 Shipping: 9870 | 26/04/2017
 Foreign Trade: CAD

Customer Statistics

Customer No.: 21004
 Balance (LCY): 39 342,501
Sales
 Outstanding Ord...: 0,000
 Shipped Not Inv...: 0,000
 Outstanding Inv...: 7 091,250
Service
 Outstanding Ser...: 0,000
 Serv Shipped No...: 0,000
 Outstanding Ser...: 0,000
 Total (LCY): **46 433,7...**
 Credit Limit (LCY): 10 000,000
 Overdue Amount...: 39 342,501
 Total Sales (LCY): 11 625,000
 Invoiced Prepay...: 0,000

Customer Details

Item No.: LG
 Costing Method: FIFO
 Cost is Adjusted: No
 Cost is Posted to ...: Yes
 Standard Cost: 0,000
 Unit Cost: 0,000
 Overhead Rate: 0,000
 Indirect Cost %: 0
 Last Direct Cost: 0,000
 Profit %: 0
 Unit Price: 0,000

The specificity of the export sales, is that is in currency, and it allows you to edit a barcode by parcel and a packing list.

The invoice is in CAD (Canadian Dollar) with an in the table already filled exchange rate currency and who could also be fed directly via a Web Service integrated in the solution.

The Invoice is accounted for in Dollars and converted automatically into Local Currency in accounting.

General Accounting:

View - General Ledger Entries - 411100 Clients

General Ledger Entries

Type to filter (F3) | Posting Date

Filter: VF+17/0005 - 26/04/17

| Posting Date | Document Type | Docu... No. | G/L Accou... | G/L Account Name | Description | Gen. Postin... | Gen. Bus. Posting ... | Gen. Prod. Posting ... | Debit Amount | Credit Amount | VAT Amount | Bal. Accou... | Bal. Accou |
|--------------|---------------|-------------|--------------|-----------------------|--------------------|----------------|-----------------------|------------------------|--------------|---------------|------------|---------------|------------|
| 26/04/2017 | Invoice | VF+17/0005 | 702200 | Ventes Produits Finis | Invoice VF-17/0003 | Sale | ETRANGER | PFL | | 3 875,000 | 0,000 | G/L Account | |
| 26/04/2017 | Invoice | VF+17/0005 | 702200 | Ventes Produits Finis | Invoice VF-17/0003 | Sale | ETRANGER | PFD | | 3 216,250 | 0,000 | G/L Account | |
| 26/04/2017 | Invoice | VF+17/0005 | 411100 | Clients | Invoice VF-17/0003 | | | | 7 091,250 | | 0,000 | G/L Account | |

Customer Accounting:

View - Customer Ledger Entries - 21004

Customer Ledger Entries

Type to filter (F3) | Posting Date

Filter: VF+17/0005 - 26/04/17

| Posting Date | Document Type | Docu... No. | Customer No. | Message to Recipient | Description | Currency Code | Original Amount | Amount | Remaining Amount | Remaining Amt. (LCY) | Due Date | P D |
|--------------|---------------|-------------|--------------|----------------------|--------------------|---------------|-----------------|----------|------------------|----------------------|------------|-----|
| 26/04/2017 | Invoice | VF+17/0005 | 21004 | | Invoice VF-17/0003 | CAD | 4 575,00 | 4 575,00 | 4 575,00 | 7 091,250 | 26/04/2017 | |

Posted sales invoice:

Edit - Posted Sales Invoice - VF+17/0005 · MONTREAL INTERNATIONAL FISH

HOME ACTIONS NAVIGATE

View Edit Delete Print... **Print Barcode Labels...** Send... Navigate Statistics Comments Dimensions Approvals Credit Cards Transaction Log Entries OneNote Notes Links Refresh Clear Filter Go to Previous Next

VF+17/0005 · MONTREAL INTERNATIONAL FISH

General

No.: **VF+17/0005** Stamp Fiscal:
 Sell-to Customer No.: 21004 Posting Date: 26/04/2017
 Sell-to Customer Name: MONTREAL INTERNATIONAL FISH Document Date: 26/04/2017
 Sell-to Address: Order No.:
 Sell-to Post Code: 9870 External Document No.:
 Sell-to City: MONTREAL

Lines

| Type | No. | Cross-Reference No. | Bar Code Font | Description | Quantity | Unit of Measur... | Cage code | Package code | Package Number | Gross Weight Pack. |
|------|-----|---------------------|---------------|------------------|----------|-------------------|-----------|--------------|----------------|--------------------|
| Item | LG | 1L00511617C18 | | LOUP DE MER G | 200 | KG | C18 | C10 | 20 | 244 |
| Item | DG | 1D00511617R17 | | DAURADE ROYALE G | 200 | KG | R17 | C10 | 20 | 244 |
| | | | | ----- | | | | | 0 | 0 |
| Item | LM | 1L00511617C01 | | LOUP DE MER M | 150 | KG | C01 | C10 | 15 | 183 |
| Item | DM | 1D00511617C02 | | DAURADE ROYALE M | 150 | KG | C02 | C10 | 15 | 183 |

The invoice and the bar code labels can be printed from the registered invoice. The number of labels is automatically calculated based on the number of packages.

Barcode Labels

Of the 70 packages of the invoice, the system generates 35 pages of labels with 2 labels per page.

The invoice is also well printed according to the language setting of the client.

Wholesales Market

A special Tunisian process for the Wholesale market, we start from a command, Good support, Shipment, generation of payment, and then the invoicing.

Wholesale market Fees are automatically proposed by the system depending on the customer setting.

The system also ask about payment, according to the payment mode of the customer.

Credit sales are managed in the same pane.

Once the command is entered with the requested items, we just insert Wholesale market Fees, and the accompaniment number.

Microsoft Dynamics NAV - VCD 17/0003 - MARCHÉ DE GROS TUNIS

HOME ACTIONS NAVIGATE

Insert Fees Wholesale Market
Generate payment

SOCIÉTÉ TUNISIENNE D'ÉLEVAGE DE POISSONS

VCD 17/0003 - MARCHÉ DE GROS TUNIS

General

Sell-to Customer No.: 21001
 Sell-to Customer Name: MARCHÉ DE GROS TUNIS
 Sell-to City: BIR EL KASSAA
 N° Bon d'accompagnement: 123456
 Stamp Fiscal:

Posting Date: 26/04/2017
 Order Date: 26/04/2017
 Document Date: 26/04/2017
 External Document No.:
 Status: Open


Sell-to Customer Sal...
 Customer No.: 21001
 Quotes: 0
 Blanket Orders: 0
 Orders: 1
 Invoices: 0
 Return Orders: 0
 Credit Memos: 0
 Pstd. Shipments: 1
 Pstd. Invoices: 5
 Pstd. Return Rec...: 0
 Pstd. Credit Mem...: 0

Lines

| Type | No. | Description | Location Code | Quantity | Unit Price Excl. VAT | Cage code | Package code | Gross Weight Pack. | Net Weight Pack. | Unit of Measur... | Line Amount Excl. VAT | Line Disc... |
|------|-----|------------------|---------------|----------|----------------------|-----------|--------------|--------------------|------------------|-------------------|-----------------------|--------------|
| Item | DP | DAURADE ROYALE P | MPF | 250 | 9,000 | R13 | C12 | 296,875 | 12 | KG | 2 250,000 | |
| Item | LP | LOUP DE MER P | MPF | 250 | 10,500 | C03 | C12 | 296,875 | 12 | KG | 2 625,000 | |
| Item | DM | DAURADE ROYALE M | MPF | 150 | 7,500 | R17 | C12 | 178,125 | 12 | KG | 1 125,000 | |
| Item | LM | LOUP DE MER M | MPF | 150 | 10,500 | C04 | C12 | 178,125 | 12 | KG | 1 575,000 | |

Invoice Discount Amount: 0,000
 Invoice Discount %: 0

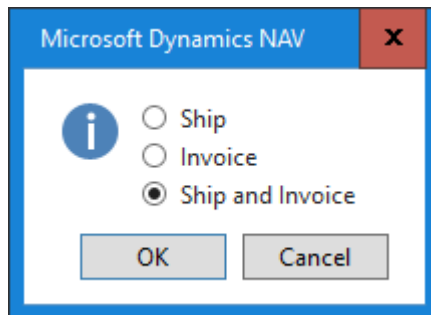
Total Excl. VAT (TND): 7 575,000
 Total VAT (TND): 0,000
 Total Incl. VAT (TND): 7 575,000



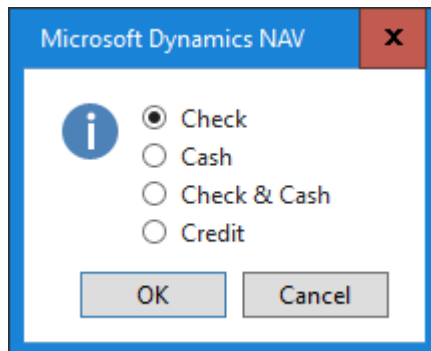
Lines

| Type | No. | Description | Location Code | Quantity | Unit Price Excl. VAT | Cage code | Package code | Gross Weight Pack. | Net Weight Pack. | Unit of Measur... | Line Amount Excl. VAT | Line Disc... |
|---------------|--------|--------------------|---------------|----------|----------------------|-----------|--------------|--------------------|------------------|-------------------|-----------------------|--------------|
| Item | DP | DAURADE ROYALE P | MPF | 250 | 9,000 | R13 | C12 | 296,875 | 12 | KG | 2 250,000 | |
| Item | LP | LOUP DE MER P | MPF | 250 | 10,500 | C03 | C12 | 296,875 | 12 | KG | 2 625,000 | |
| Item | DM | DAURADE ROYALE M | MPF | 150 | 7,500 | R17 | C12 | 178,125 | 12 | KG | 1 125,000 | |
| Item | LM | LOUP DE MER M | MPF | 150 | 10,500 | C04 | C12 | 178,125 | 12 | KG | 1 575,000 | |
| Charge (Item) | MGCOM | Commission Vendeur | MPF | -1 | 378,750 | * | * | 0 | 0 | | -378,750 | |
| Charge (Item) | MGMANU | Manutention et Tri | MPF | -1 | 45,450 | | | 0 | 0 | | -45,450 | |
| Charge (Item) | MGREDV | Redevance SOTUMAG | MPF | -1 | 303,000 | | | 0 | 0 | | -303,000 | |
| Charge (Item) | MGTBM | Taxe Repos BioMer | MPF | -1 | 75,750 | | | 0 | 0 | | -75,750 | |

By validating the document, we will have to choose between these options:



Then another window will appear to ask about the payment method:



Once done, a Shipment and an invoice are generated.

The costs are integrated in the good accounting accounts previously set.

General Ledger Entries ▾

Type to filter (F3) | Po

| Posting Date | Document Type | Docu... No. | G/L Accou... | G/L Account Name | Description | Gen. Postin... | Gen. Bus. Posting ... | Gen. Prod. Posting ... | Debit Amount | Credit Amount |
|--------------|---------------|-------------|--------------|-------------------------------|-------------------|----------------|-----------------------|------------------------|--------------|---------------|
| 26/04/2017 | Invoice | VF+17/0006 | 663000 | Autres taxes MG sur Vente | Order VCD 17/0003 | Sale | LOCAL | MGREVD | 303,000 | |
| 26/04/2017 | Invoice | VF+17/0006 | 663000 | Autres taxes MG sur Vente | Order VCD 17/0003 | Sale | LOCAL | MGCOM | 378,750 | |
| 26/04/2017 | Invoice | VF+17/0006 | 662000 | Droits MG sur Ventes | Order VCD 17/0003 | Sale | LOCAL | MGTBM | 75,750 | |
| 26/04/2017 | Invoice | VF+17/0006 | 662000 | Droits MG sur Ventes | Order VCD 17/0003 | Sale | LOCAL | MGMANU | 45,450 | |
| 26/04/2017 | Invoice | VF+17/0006 | 702200 | Ventes Produits Finis | Order VCD 17/0003 | Sale | LOCAL | PFL | | 4 200,000 |
| 26/04/2017 | Invoice | VF+17/0006 | 702200 | Ventes Produits Finis | Order VCD 17/0003 | Sale | LOCAL | PFD | | 3 375,000 |
| 26/04/2017 | Invoice | VF+17/0006 | 437000 | Timbre Fiscal | Order VCD 17/0003 | Sale | LOCAL | TIMBRE | | 0,500 |
| 26/04/2017 | Invoice | VF+17/0006 | 457000 | Créances sur cessions d'immo. | Order VCD 17/0003 | | | | 6 772,550 | |

Supply process

The integration of purchases is essentially, purchases of Alevins, Foods, Treatments, cages & Nets.

For our case, foods buying is the most frequently occurring

Example of buying foods at BIOMAR.

Two needed steps, a reception, and billing.

The food stock is adjusted automatically when the receipt is validated.

The invoice is recorded in the vendor currency, (EUR), converted into Local currency in the General Ledger.

Rearing cost (Production)

One of the most wanted components by farmers is at the moment what is the detailed costing of their lots in one click.

The cost is detailed by cost of alevins to the reception, the cost of consumed foods and treatments, the acquisition cost of cages and nets, the personal cost, and possibly various costs.

We have, as a result of a Lot production and per cage, the ability to calculate a unit cost in Kg and as well per piece.

View - Breeding costs

HOME ACTIONS

Recalculate Show as List Show as Chart OneNote Notes Links Refresh Clear Filter Find

Process View Show Attached Page

Breeding costs

Type to filter (F3) Cage code Limit totals: 03/07/15..26/04/17

| Cage code | Species | Generation | Lot No. | Production | Alevins cost | Feeding cost | Treatment cost | Cage & Net cost | Staff cost | Various cost | Total production... | Unit cost (Piece) | Unit cost (KG) |
|-----------|-----------|------------|-----------------|------------|--------------|--------------|----------------|-----------------|------------|--------------|---------------------|-------------------|----------------|
| C01 | Sea bass | 2017 | 210417ATUSEA... | 79 993 | 36 000,000 | 201,600 | 0,000 | 0,000 | 0,000 | 0,000 | 36 201,600 | 0.453 | 90.512 |
| C02 | Sea bream | 2017 | 210417ATUSEA... | 49 987 | 25 000,000 | 201,600 | 0,000 | 0,000 | 0,000 | 0,000 | 25 201,600 | 0.504 | 100.833 |
| C03 | Sea bass | 2017 | 260417ATUSEA... | 130 000 | 58 500,000 | 100,800 | 0,000 | 0,000 | 0,000 | 0,000 | 58 600,800 | 0.451 | 90.155 |
| C04 | Sea bass | 2015 | 150715ATULC4 | 229 387 | 169 157,800 | 116 780,311 | 76,565 | 0,000 | 0,000 | 0,000 | 286 014,676 | 1.247 | 3.562 |
| C06 | Sea bass | 2015 | 250715ATULC6 | 155 285 | 154 280,000 | 65 684,177 | 76,565 | 0,000 | 0,000 | 0,000 | 220 040,742 | 1.417 | 2.600 |
| C12 | Sea bream | 2017 | 260417ATUSEA... | 180 000 | 81 000,000 | 201,600 | 0,000 | 0,000 | 0,000 | 0,000 | 81 201,600 | 0.451 | 90.224 |
| C13 | Sea bream | 2015 | 020815ATUDC20 | 6 965 | 0,000 | 168,450 | 0,000 | 0,000 | 0,000 | 0,000 | 168,450 | 0.024 | 0.060 |
| C14 | Sea bream | 2015 | 030715ATUDR1 | 39 985 | 0,000 | 842,253 | 0,000 | 0,000 | 0,000 | 0,000 | 842,253 | 0.021 | 0.053 |
| C15 | Sea bream | 2015 | 110815ATUDR... | 6 981 | 0,000 | 168,450 | 0,000 | 0,000 | 0,000 | 0,000 | 168,450 | 0.024 | 0.063 |
| C16 | Sea bream | 2015 | 030715ATUDR1 | 4 975 | 0,000 | 168,450 | 0,000 | 0,000 | 0,000 | 0,000 | 168,450 | 0.034 | 0.081 |
| C18 | Sea bass | 2015 | 090715ATULC18 | 123 999 | 174 198,500 | 105 291,371 | 76,565 | 0,000 | 0,000 | 0,000 | 279 566,436 | 2.255 | 5.010 |
| C20 | Sea bream | 2015 | 020815ATUDC20 | 19 669 | 186 020,800 | 105 254,476 | 76,565 | 0,000 | 0,000 | 0,000 | 291 351,841 | 14.813 | 32.917 |
| C34 | Sea bream | 2015 | 020815ATUDC34 | 263 036 | 184 193,100 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 184 193,100 | 0.700 | 5.602 |
| C34 | Sea bass | 2016 | 270416ATULC34 | 39 130 | 42 000,000 | 4 438,419 | 76,565 | 0,000 | 0,000 | 0,000 | 46 514,984 | 1.189 | 2.377 |
| R01 | Sea bream | 2015 | 030715ATUDR1 | 230 220 | 183 538,600 | 164 315,326 | 76,565 | 0,000 | 0,000 | 0,000 | 347 930,491 | 1.511 | 3.358 |
| R13 | Sea bream | 2015 | 110815ATUDR... | 157 444 | 116 855,200 | 96 668,013 | 76,565 | 0,000 | 0,000 | 0,000 | 213 599,778 | 1.357 | 3.015 |
| R17 | Sea bream | 2015 | 180815ATUDR... | 73 368 | 123 382,000 | 112 389,963 | 131,689 | 0,000 | 0,000 | 0,000 | 235 903,652 | 3.215 | 5.359 |
| R20 | Sea bream | 2015 | 060815ATUDR... | 211 418 | 181 360,900 | 112 142,954 | 76,565 | 0,000 | 0,000 | 0,000 | 293 580,419 | 1.389 | 3.086 |
| R21 | Sea bream | 2015 | 050416ATUDR... | 261 894 | 182 699,300 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 182 699,300 | 0.698 | 3.171 |
| R21 | Sea bream | 2016 | 270416ATUDR... | 89 920 | 70 000,000 | 6 793,512 | 76,565 | 0,000 | 0,000 | 0,000 | 76 870,077 | 0.855 | 1.900 |
| S01 | Sea bream | 2016 | 110416ATUDS01 | 54 929 | 45 500,000 | 6 373,506 | 76,565 | 0,000 | 0,000 | 0,000 | 51 950,071 | 0.946 | 2.102 |

Species: Sea bass, Sea bream

Number: 79 993
Biomass: 399,97
Average weight: 5
Delta-Biomass: -0,04
conversion index: 0,00
Charge: 0

Notes

Microsoft Outlook

Mail: Boîte de réception 0
Calendar
Tasks

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REPORTING

Editions:

To illustrate a few reports, we chose the most relevant in terms of follow-up and performance indicator.

Alevins Reception:

Print Preview

SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Posted Alevins Reception

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Alevins reception Page 1

Sea bas|Sea bream 2017

Vendor L'AQUACULTURE TUNISIENNE HOUCINE-MOBILE HOUCI

| Seeding date | Lot No. | Cage | Number | Generation | Species | AW | Biomass | Disappeared % | Twisted % | Oral Malform % | Age | Origin cage |
|--------------|------------------------|------|---------------|------------|-----------|----|---------|---------------|-----------|----------------|-------|-------------|
| 11/04/2017 | 110417ATU SEA BASSV50 | V50 | 25000 | 2017 | Sea bass | 5 | 125 | 0 | 0 | 0 | 76 D | |
| 11/04/2017 | 110417ATU SEA BREAMX10 | X10 | 30000 | 2017 | Sea bream | 10 | 300 | 0 | 0 | 0 | 76 D | |
| 11/04/2017 | 110417ATU SEA BASSY10 | Y10 | 25000 | 2017 | Sea bass | 5 | 125 | 0 | 0 | 0 | 76 D | |
| 11/04/2017 | 110417ATU SEA BREAMZ10 | Z10 | 30000 | 2017 | Sea bream | 10 | 300 | 0 | 0 | 0 | 76 D | |
| 21/04/2017 | 210417ATU SEA BASSC01 | C01 | 80000 | 2017 | Sea bass | 5 | 400 | 0 | 0 | 0 | 66 D | |
| 21/04/2017 | 210417ATU SEA BREAMC02 | C02 | 50000 | 2017 | Sea bream | 5 | 250 | 0 | 0 | 0 | 66 D | |
| 26/04/2017 | 260417ATU SEA BASSC03 | C03 | 130000 | 2017 | Sea bass | 5 | 650 | 0 | 0 | 0 | 121 D | |
| 26/04/2017 | 260417ATU SEA BREAMC12 | C12 | 180000 | 2017 | Sea bream | 5 | 900 | 0 | 0 | 0 | 121 D | |
| TOTAL | | | 550000 | | | | | | | | | |

Cage card:

Specify filters and print.

SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Cage card

1 of 3 100% Find Next

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HOUCINE-MOBILE\HOUCI

Cage card : C18

| Cage Info. | | Parameters | | Synthesis | | |
|--------------------|---------------|---------------|-----------|------------------|----------|------------------------|
| Code | C18 | | | Dernier PM : | 380 | Init. Qty. 248 855 |
| Species | Sea bass | | | Charge : | 0 | Mort. Qty. 158 |
| Generation | 2015 | Biom Init : | 4 421 | Biomass | 31 477,3 | Fishing Qty. -124 698 |
| Cycle : | | Biom Finale : | 31 477,3 | Delta Biom. | 6 626,8 | Alevins Fishing Qty. : |
| N° de Lot : | 090715ATULC18 | Biom Moy. : | 17 949,15 | Number | 82 835 | Trans. + Qty. 0 |
| Age Week / Month : | 0S-0M | Nbre Jours : | 657 | Index conver. | 0,42 | Trans. - Qty. 41164 |
| Entry date : | 09-07-15 | Biom Mort : | 41,08 | Growth Rate : | 0 | Adjust. - Qty. 0 |
| Emptying date : | | Biom Vente : | 238,5 | Growth Rate | 0 | Adjust. + Qty. 0 |
| | | Biom Regul : | 0 | Rationing Rate : | 0,19 | Foods Qty. 17 925 |
| | | | | Mortality Rate : | 0,37 | |

| Init. details | Document No. | Date | Quantity | Origin cage | Average weight | Init. age (W) |
|---------------|--------------|----------|----------|-------------|----------------|---------------|
| | IN+16/001 | 09-07-15 | 248 855 | | 120 | 0 |

NB: all reports are exportable to PDF, Excel and Word.

Cages State:

Print Preview

SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Cages state

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Page 1

HOUCINE-MOBILE

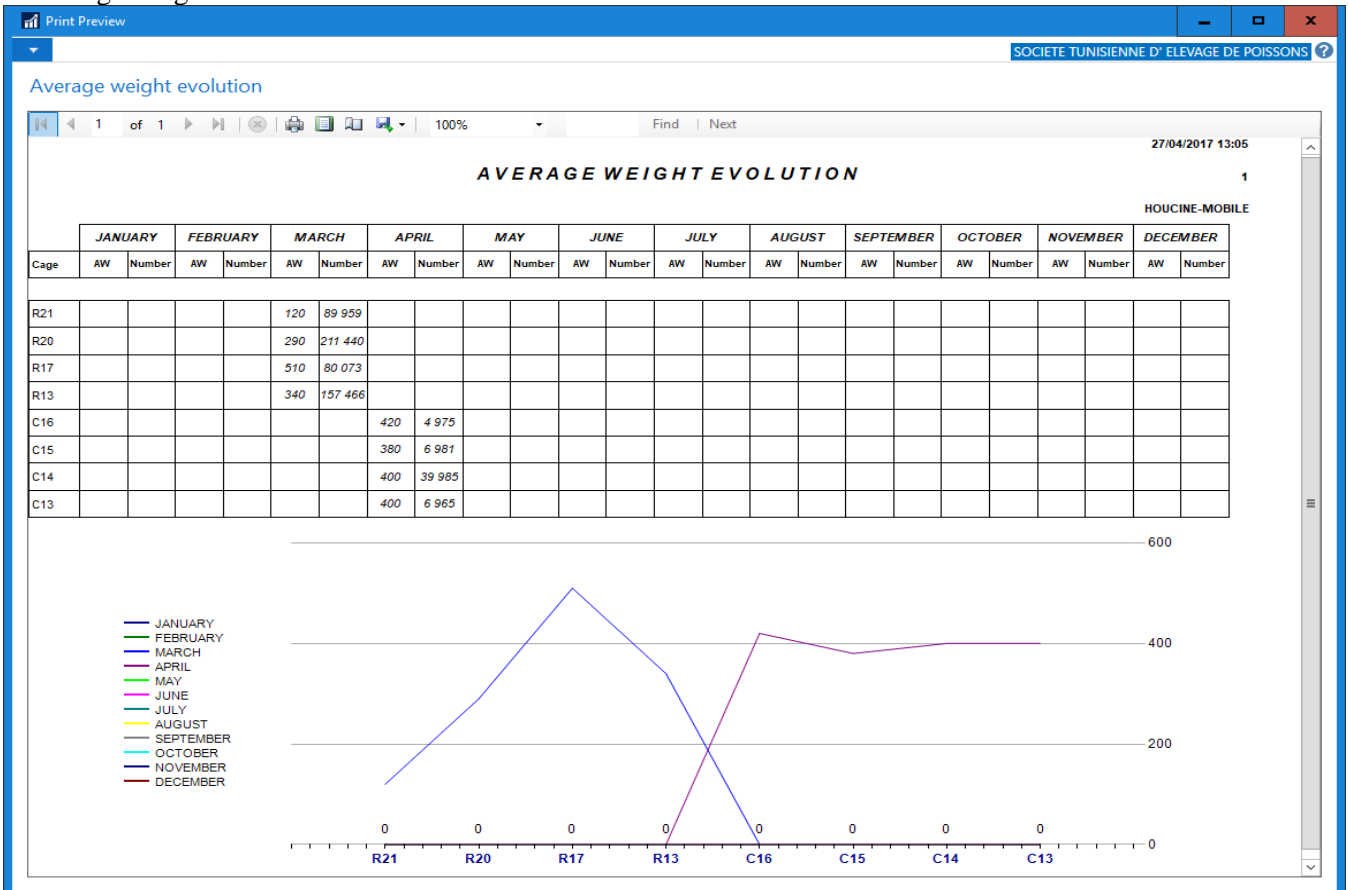
S.T.E.P.

CAGES STATE

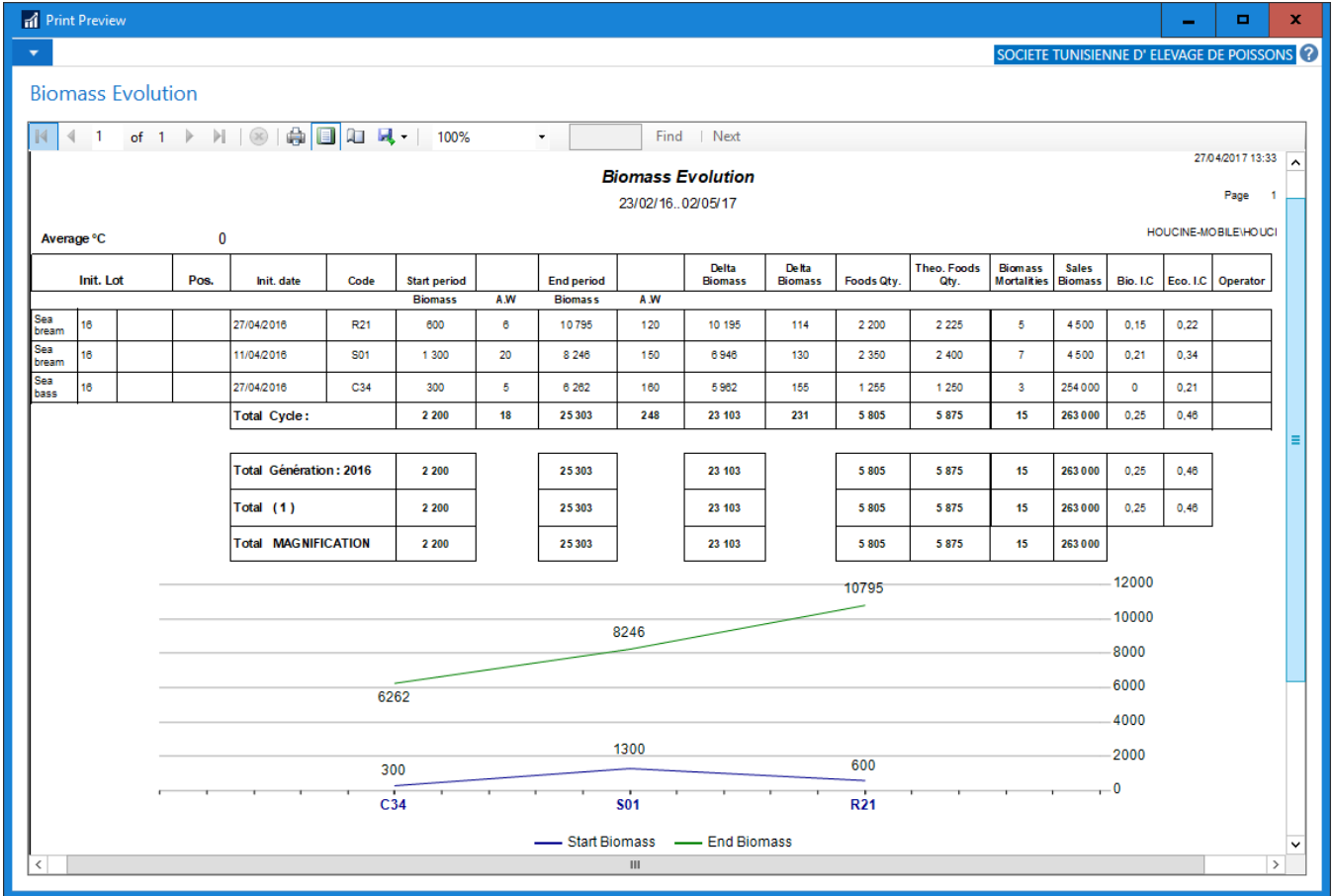
Generation: 2015, Initial date filter: 18/08/15..27/04/17, Biomass date

| Type | Lot | Number | Biomass | A.W (g) | Theo. AW | Init. AW | Last Delta AW | Charge | Age (Week) | Entry date | Period Foods Qty. | Total Foods Qty. | I.C | Cage |
|-------------------------|-------------|---------|------------|------------|----------|----------|---------------|--------|------------|------------|-------------------|------------------|-------|------|
| Magnification | Sea bream20 | 71 718 | 39 445 | 550,0 | 550,0 | 44,0 | 40,0 | 0,00 | 88 | 18/08/2015 | 2 125 | 16 165 | 0,550 | R17 |
| Magnification | Sea bream20 | 185 220 | 77 792 | 420,0 | 420,0 | 7,6 | 40,0 | 0,00 | 95 | 03/07/2015 | 4 575 | 27 483 | 2,822 | R01 |
| Magnification | Sea bream20 | 4 975 | 2 090 | 420,0 | 420,0 | 380,0 | 40,0 | 0,00 | 1 | | 75 | 75 | 0,036 | C16 |
| Magnification | Sea bream20 | 150 444 | 60 178 | 400,0 | 400,0 | 19,2 | 60,0 | 0,00 | 89 | 11/08/2015 | 3 525 | 20 440 | 2,260 | R13 |
| Magnification | Sea bream20 | 12 669 | 5 068 | 400,0 | 400,0 | 13,5 | 40,0 | 0,00 | 91 | 02/08/2015 | 650 | 22 425 | 6,761 | C20 |
| Magnification | Sea bream20 | 39 985 | 15 994 | 400,0 | 400,0 | 380,0 | 20,0 | 0,00 | 1 | | 375 | 0 | 0,000 | C14 |
| Magnification | Sea bream20 | 6 965 | 2 786 | 400,0 | 400,0 | 360,0 | 40,0 | 0,00 | 1 | | 75 | 0 | 0,000 | C13 |
| Magnification | Sea bream20 | 6 981 | 2 653 | 380,0 | 380,0 | 340,0 | 40,0 | 0,00 | 1 | | 75 | 0 | 0,000 | C15 |
| Magnification | Sea bream20 | 211 418 | 73 996 | 350,0 | 350,0 | 11,6 | 60,0 | 0,00 | 90 | 06/08/2015 | 4 125 | 20 830 | 0,160 | R20 |
| TOTAL CYCLE | | | | | | | | | | | | | | |
| Magnification | | 690 375 | 280 001,08 | | 3 720 | | | | | | | | | 0 |
| TOTAL GENERATION | | | | | | | | | | | | | | |
| Magnification | | 18135 | 690 375 | 280 001,08 | | 3 720 | | | | | | | | 0 |
| Magnification | Sea bass201 | 82 835 | 31 477 | 380,0 | 380,0 | 17,2 | 80,0 | 0,00 | 94 | 09/07/2015 | 2 250 | 17 925 | 1,495 | C18 |
| Magnification | Sea bass201 | 229 387 | 80 285 | 350,0 | 350,0 | 17,0 | 33,0 | 0,00 | 93 | 15/07/2015 | 5 275 | 23 545 | 0,310 | C04 |
| Magnification | Sea bass201 | 155 285 | 46 586 | 300,0 | 300,0 | 16,9 | 40,0 | 0,00 | 92 | 25/07/2015 | 3 200 | 13 010 | 0,013 | C06 |

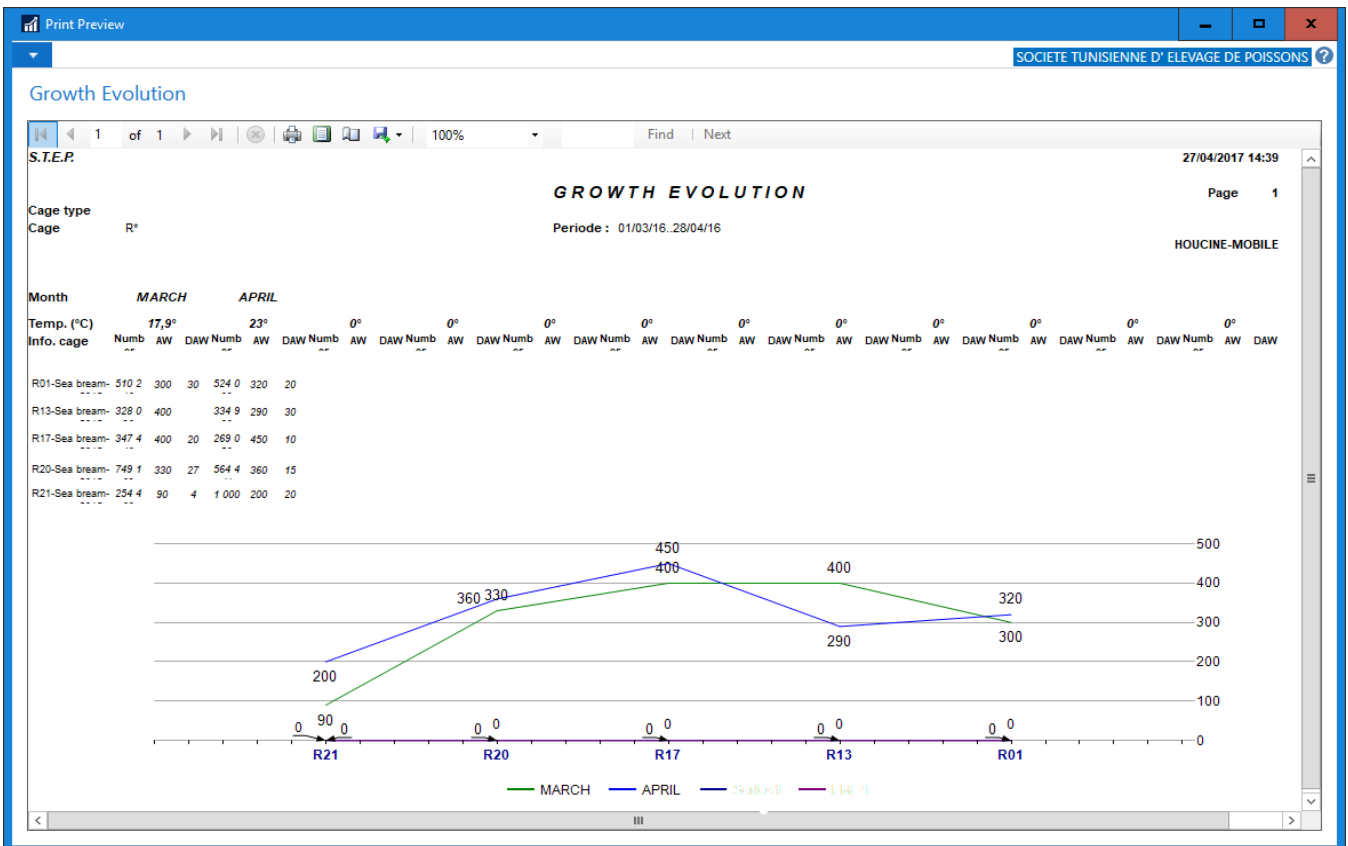
Average weight Evolution:



Biomass Evolution:



Growth Evolution:



Breeding Summary:

Print Preview

SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Breeding summary

27/04/2017 15:18

BREEDING SUMMARY

Cage : Sea bass|Sea bream--2015
Période : 01/01/16..24/04/17

HOUCINE-MOBILE
1

| Input | Emptying | Duration | Origin | Cage | Cycle | Init. Pop. | Final Pop. | Sale | Init. AW | Final AW | Init. Biom | Final Biom | Food | RR | RG | Bio. IC | Eco. IC | Biom Mort. | Mortality | MR | Loss | More | Lost Biom | Age | Age 3g |
|--------------|----------|------------|----------------|------|-----------------|----------------|------------|----------------|---------------|--------------|---------------|------------|----------------|-----|------|---------|---------|---------------|--------------|-----|------|------|-----------|----------|--------|
| 02/08/201 | 08/04/20 | 250 | | C34 | Sea bass Sea br | 263 133 | 0 | 0 | 13,58 | 125 | 3 634 | 0 | 0 | 0 | 820, | 0 | 0 | 6,72 | 97 | 0 | | | 0 | 0 | 30/03 |
| 03/07/201 | 0 | 0 | | R01 | Sea bass Sea br | 0 | 0 | 16 714 | 7,64 | 380 | 2 057 | 0 | 26 258 | 3,8 | 4 87 | 15 | 3,9 | 48,65 | 251 | 0,1 | | | 0 | 0 | 20/04 |
| | 0 | 0 | | R10 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 11/08/201 | 0 | 0 | | R13 | Sea bass Sea br | 0 | 0 | 10 000 | 19,16 | 340 | 3 254 | 0 | 19 440 | 1,9 | 1 67 | 6 | 9,7 | 24,6 | 137 | 0,1 | | | 0 | 0 | 20/04 |
| | 0 | 0 | | R15 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 18/08/201 | 0 | 0 | | R17 | Sea bass Sea br | 0 | 0 | 94 444 | 44 | 510 | 7 867 | 0 | 15 540 | 0,6 | 1 05 | 2 | 2,1 | 30,75 | 111 | 0,1 | | | 0 | 0 | 05/04 |
| 06/08/201 | 0 | 0 | | R20 | Sea bass Sea br | 0 | 0 | 80 833 | 11,6 | 290 | 3 114 | 0 | 19 605 | 2 | 2 40 | 6,5 | 6,3 | 25,03 | 166 | 0,1 | | | 0 | 0 | 14/04 |
| 10/08/201 | 09/04/20 | 243 | | R21 | Sea bass Sea br | 260 999 | 0 | 0 | 8,42 | 220 | 2 253 | 0 | 0 | 0 | 2 51 | 0 | 0 | 11,99 | 105 | 10, | | | 0 | 0 | 08/04 |
| | 0 | 0 | | S01 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 0 | 0 | | T01 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 0 | 0 | | U01 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 0 | 0 | | V50 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 0 | 0 | | W10 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 0 | 0 | | X10 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 0 | 0 | | Y10 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 0 | 0 | | Z10 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 0 | 0 | | Z99 | Sea bass Sea br | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| TOTAL | | 493 | 2 Cages | | | 524 132 | 0 | 675 592 | 100,19 | 1 755 | 60 684 | 0 | 154 248 | | | | | 270,74 | 1 655 | | | | 0 | 0 | |

| | | | | |
|-------------------|---------|----------|-----------------|--------|
| Adjustment | RR | 8,4 | Init. AW | 100,19 |
| Adjut. Init. Pop. | GR % | 12 084,3 | Final AW | 1 755 |
| Transferred Pop. | Bio. IC | 29,5 | Breeding durati | 372 |
| Sale | Eco. IC | 22,1 | Age | 0 |
| | MR % | 5,9 | | |

Sampling:

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SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Sampling

27/04/2017 15:42

SAMPLING

Cage : Sea bass|Sea bream--2015|2016
03/03/16..31/12/16

HOUCINE-MOBILE
1

| SAMPLING 1 | | | | | | | | | | SAMPLING 2 | | | | | | | RESULT | | | | | | | | | |
|------------|------|------------|---------|---------|----------|------------|-----------|-----|---|------------|------------|-----|----------|--------|------------|-----------|--------|-----|-----|-----|---------|---------|----|-----|--------|-----|
| Cage | Date | Population | AW | Biomass | Charge | Foods Qty. | Mortality | Age | | Date | Population | AW | Biomass | Charge | Foods Qty. | Mortality | Age | RR | GR | BM | Bio. IC | Eco. IC | MR | Age | Age 3g | |
| C01 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C02 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C03 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C12 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C17 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| R10 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| R15 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T01 | H | 25/04/2 | 80 000 | 17 | 800 | 0 | 750 | 0 | 0 | 10/05/2 | 69 985 | 32 | 1 609,86 | 0 | 1 450 | 15 | 8 | 88, | 0,3 | 1,8 | 1,8 | 0 | 0 | 0 | 16 | |
| U01 | H | 25/04/2 | 75 000 | 18 | 750 | 0 | 1 075 | 0 | 0 | 10/05/2 | 64 992 | 33 | 1 429,82 | 0 | 1 825 | 8 | 0 | 11, | 83, | 0,2 | 2,7 | 2,7 | 0 | 0 | 0 | 28 |
| V50 | H | 25/04/2 | 15 000 | 105 | 1 500 | 0 | 600 | 0 | 0 | 28/04/2 | 15 000 | 115 | 1 575 | 0 | 750 | 0 | 0 | 16, | 9,5 | 11 | 8,7 | 10 | 0 | 0 | 383 | |
| W10 | H | 25/04/2 | 249 981 | 8 | 1 249,91 | 0 | 2 025 | 19 | 0 | 10/05/2 | 239 972 | 25 | 2 879,86 | 0 | 3 275 | 28 | 0 | 10, | 212 | 0,4 | 2 | 2 | 0 | 0 | 26 | |
| X10 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Y10 | H | 25/04/2 | 500 000 | 12 | 5 000 | 0 | 3 450 | 0 | 0 | 25/04/2 | 500 000 | 12 | 5 000 | 0 | 3 450 | 0 | 0 | 0 | 0 | 1,8 | 1,9 | 0 | 0 | 0 | 0 | 383 |
| Z10 | H | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Z99 | H | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 364 | |

Temperature Evolution:

Print Preview

SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Temperature Evolution

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HOUCINE-MOBILEHOUCI

TEMPERATURE EVOLUTION

MONTH : APRIL 2017

| April | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|-----------|------|---|---|---|---|---|---|-----|------|----|------|----|----|----|------|----|------|----|------|----|------|------|----|----|----|----|----|----|----|----|----|
| T° / D | 20,4 | | | | | | | | 20,4 | | 20,4 | | | | | | 20,4 | | 20,4 | | 20,4 | | | | | | | | | | |
| T° / Week | 2,55 | | | | | | | 5,1 | | | | | | | 7,65 | | | | | | | 2,55 | | | | | | | | | |

Day month number :8
Week Number :1

Foods consumption Monitoring:

Print Preview

SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Foods consumption Follow-up

S.T.E.P. 27/04/2017 16:07
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HOUCINE-MOBILEHOUCI

FOODS CONSUMPTION FOLLOW-UP

| Food Code | Food Description | Vendor | Stock | Last consumption | Remaining time (D) | Date Limit Consumption | In progress Qty. Orders. | Delivery time |
|-----------|-------------------------|--------|-----------|------------------|--------------------|------------------------|--------------------------|---------------|
| BIOM001 | INICIO N° 0.8 mm | | 1 000 | 0 | 0 | | 0 | |
| BIOM002 | INICIO N°1.1 mm | | 5 000 | 0 | 0 | | 0 | |
| BIOM003 | INICIO N°1.5 mm | BIOMAR | 17 295 | 275 | 63 | 28/06/2017 | 0 | ! |
| BIOM004 | INICIO N°1.9 mm | BIOMAR | 61 625 | 675 | 91 | 08/08/2016 | 0 | ! |
| BIOM015 | EFICO YM 668 N° 1,9 | BIOMAR | 49 275 | 100 | 493 | 01/09/2018 | 0 | ! |
| BIOM005 | EFICO SIGMA L 864 3mm | BIOMAR | 5 000 | 0 | 91 | 08/08/2016 | 0 | ! |
| BIOM009 | EFICO SIGMA864 D 3mm | BIOMAR | 5 000 | 0 | 91 | 08/08/2016 | 0 | ! |
| BIOM018 | EFICO YM 868 N°3MM | BIOMAR | 14 550 | 225 | 65 | 15/06/2017 | 0 | ! |
| BIOM019 | EFICO YM 864 N°3MM | BIOMAR | 5 000 | 0 | 65 | 15/06/2017 | 0 | ! |
| BIOM022 | EFICO SIGMA 841 N°3MM | BIOMAR | 5 000 | 0 | 7 | 03/05/2017 | 0 | ! |
| BIOM026 | EFICO PLUS 805 3 mm | BIOMAR | 31 800 | 125 | 254 | 21/12/2017 | 0 | ! |
| BIOM006 | EFICO SIGMA864 L 4.5mm | BIOMAR | 5 000 | 0 | 91 | 08/08/2016 | 0 | ! |
| BIOM010 | EFICO SIGMA864 D 4.5mm | BIOMAR | 5 000 | 0 | 91 | 08/08/2016 | 0 | ! |
| BIOM014 | EFICO YM 868 N° 4.5 | BIOMAR | 29 000 | 650 | 45 | 10/06/2017 | 0 | ! |
| BIOM017 | EFICO YM 864 N° 4,5 | BIOMAR | 1 205 825 | 1 775 | 679 | 06/03/2019 | 0 | ! |
| BIOM021 | EFICO SIGMA 841 N°4,5MM | BIOMAR | 5 000 | 0 | 7 | 03/05/2017 | 0 | ! |
| BIOM007 | EFICO SIGMA864 L 6.5mm | BIOMAR | 5 000 | 0 | 91 | 08/08/2016 | 0 | ! |
| BIOM011 | EFICO SIGMA864 D 6.5mm | BIOMAR | 5 000 | 0 | 91 | 08/08/2016 | 0 | ! |

Rationing:

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SOCIETE TUNISienne D' ELEVAGE DE POISSONS

Rationing

S.T.E.P. 28/04/2017 14:07

RATIONING

Temperature: 20,14

| Date | Cage | SpecGene | Cycle | AW | Theo. AW | Number | Biomass | Foodstype | Foods Qty. | RR | Theo. RR | GR |
|-------------------------------|------|----------------|-------|-----|----------|------------------|-----------|----------------------|--------------|-------|----------|--------|
| 2004/2017 | C04 | Sea bass 2015 | | 317 | 140,03 | 229 397 | 72 720,43 | EFICO YM 868 N°6,5MM | 800 | 1,1 | 1,1 | 10,41 |
| 2004/2017 | C06 | Sea bass 2015 | | 260 | 100,03 | 155 305 | 40 380,6 | EFICO YM 868 N° 4,5 | 500 | 1,24 | 1,2 | 15,38 |
| 2004/2017 | C18 | Sea bass 2015 | | 300 | 150,04 | 89 988 | 29 997,9 | EFICO YM 868 N°6,5MM | 350 | 1,17 | 1,1 | 26,67 |
| 2004/2017 | C20 | Sea bream 2015 | | 360 | 110,03 | 20 179 | 13 388,04 | EFICO YM 664 N° 6,5 | 125 | 0,93 | 0,78 | 11,11 |
| 2004/2017 | R01 | Sea bream 2015 | | 380 | 160,04 | 200 233 | 95 361,76 | EFICO YM 664 N° 6,5 | 750 | 0,79 | 0,78 | 10,53 |
| 2004/2017 | R13 | Sea bream 2015 | | 340 | 145,04 | 150 449 | 53 533,34 | EFICO YM 864 N° 4,5 | 550 | 1,03 | 1 | 17,65 |
| 2004/2017 | R17 | Sea bream 2015 | | 510 | 225,04 | 80 055 | 40 832,64 | EFICO YM 664 N° 6,5 | 325 | 0,8 | 0,76 | 7,84 |
| 2004/2017 | R20 | Sea bream 2015 | | 290 | 120,04 | 211 421 | 61 314,12 | EFICO YM 864 N° 4,5 | 625 | 1,02 | 1 | 20,69 |
| Total Generation: 2015 | | | | | | 1 137 027 | | | 4 025 | | | |
| 2004/2017 | C34 | Sea bass 2016 | | 70 | 0,5 | 39 136 | 2 740,08 | EFICO YM 868 N° 4,5 | 50 | 1,82 | 1,63 | 128,57 |
| 2004/2017 | R21 | Sea bream 2016 | | 120 | 0,4 | 89 934 | 10 792,44 | EFICO YM 864 N° 4,5 | 175 | 1,62 | 1,51 | 0 |
| 2004/2017 | S01 | Sea bream 2016 | | 150 | 0,7 | 54 943 | 8 242,05 | EFICO YM 864 N° 4,5 | 125 | 1,52 | 1,23 | 0 |
| Total Generation: 2016 | | | | | | 184 013 | | | 350 | | | |
| 2004/2017 | V50 | Sea bass 2017 | 01 | 5 | 0,5 | 24 984 | 124,93 | INICIO N°1.5 mm | 25 | 20,01 | 3,69 | 40 |
| 2004/2017 | X10 | Sea bream 2017 | 01 | 10 | 0,4 | 29 977 | 299,83 | EFICO YM 668 N° 1,9 | 25 | 8,34 | 2,7 | 0 |
| 2004/2017 | Y10 | Sea bass 2017 | 01 | 5 | 0,5 | 24 987 | 124,95 | INICIO N°1.5 mm | 25 | 20,01 | 3,69 | 0 |
| 2004/2017 | Z10 | Sea bream 2017 | 01 | 10 | 0,4 | 29 991 | 299,92 | EFICO YM 668 N° 1,9 | 25 | 8,34 | 2,7 | 0 |
| Total Generation: 2017 | | | | | | 109 939 | | | 100 | | | |
| General Total : | | | | | | 1 430 979 | | | 4 475 | | | |

Mortality:

Print Preview

SOCIETE TUNISienne D' ELEVAGE DE POIS...

Mortality Report

S.T.E.P. 28/04/2017 14:25

OPERATIONG MORTALITIES REPORT

Page 1

Période : 01/04/17..28/04/17

HOUCINE-MOBILE

| GENERATION | SEA BASS | | | SEA BREAM | | |
|------------|-------------|---------|-------|-------------|---------|-------|
| | MORTALITIES | NUMBER | RATE | MORTALITIES | NUMBER | RATE |
| 2015 | 523 | 238 084 | 0,22% | 868 | 690 375 | 0,13% |
| 2016 | 70 | 39 130 | 0,18% | 151 | 144 849 | 0,10% |
| 2017 | 98 | 252 952 | 0,04% | 88 | 289 912 | 0,03% |

Print Preview

SOCIETE TUNISIENNE D' ELEVAGE DE POISS...

Detailed mortality

S.T.E.P. 28/04/2017 15:28

MORTALITES DETAILS Page 1

Magnification Période : 11/04/17..28/04/17 HOUCINE-MOBILE

Génération : 2015

| Date | SEA BASS | | | | SEA BREAM | | | |
|----------------|-------------|----------------|---------------|-----------|-------------|----------------|---------------|-----------|
| | MORTALITIES | NUMBER | RATE | QTY. (Kg) | MORTALITIES | NUMBER | RATE | QTY. (Kg) |
| 11/04/2017 | 12 | 300 388 | 0,40 % | 2 | 25 | 345 697 | 0,72 % | 4 |
| 12/04/2017 | 12 | 300 376 | 0,40 % | 3 | 24 | 345 673 | 0,69 % | 9 |
| 13/04/2017 | | 300 376 | | | | 345 673 | | |
| 14/04/2017 | | 300 376 | | | | 345 673 | | |
| 15/04/2017 | | 300 376 | | | | 345 673 | | |
| 16/04/2017 | | 300 376 | | | | 345 673 | | |
| 17/04/2017 | 12 | 300 364 | 0,40 % | 3 | 24 | 345 649 | 0,69 % | 9 |
| 18/04/2017 | | 300 364 | | | | 345 649 | | |
| 19/04/2017 | | 300 364 | | | | 345 649 | | |
| 20/04/2017 | 15 | 280 349 | 0,54 % | 4 | 33 | 314 188 | 1,05 % | 13 |
| 21/04/2017 | | 280 349 | | | | 314 188 | | |
| 22/04/2017 | | 280 349 | | | | 314 188 | | |
| 23/04/2017 | | 280 349 | | | | 314 188 | | |
| 24/04/2017 | | 280 349 | | | | 314 188 | | |
| 25/04/2017 | | 280 349 | | | | 314 188 | | |
| 26/04/2017 | 40 | 266 023 | 1,50 % | 11 | 129 | 252 393 | 5,11 % | 47 |
| 27/04/2017 | | 266 023 | | | | 252 393 | | |
| 28/04/2017 | | 266 023 | | | | 252 393 | | |
| TOTAL : | 91 | 266 023 | 3,42 % | 24 | 235 | 252 393 | 9,31 % | 81 |

Print Preview

SOCIETE TUNISIENNE D' ELEVAGE DE POISSO...

Daily Mortality Follow-up

S.T.E.P. 28/04/2017 15:39

DAILY MORTALITES Page : 1

Période : 26/04/17 HOUCINE-MOBILE

| Date | Cage | Species | Generation | Cycle | Number | Mortalities | Rate | Biom. Mortality |
|-----------------------|------|-----------|------------|-------|----------------------|-------------|---------------|-----------------|
| 26/04/2017 | C01 | Sea bass | 2017 | | 80 000 | 7 | 0,01 % | 0 |
| 26/04/2017 | C02 | Sea bream | 2017 | | 50 000 | 13 | 0,03 % | 0 |
| 26/04/2017 | C04 | Sea bass | 2015 | | 229 397 | 10 | 0 % | 3 |
| 26/04/2017 | C06 | Sea bass | 2015 | | 155 305 | 20 | 0,01 % | 5 |
| 26/04/2017 | C13 | Sea bream | 2015 | | 7 000 | 35 | 0,5 % | 13 |
| 26/04/2017 | C14 | Sea bream | 2015 | | 40 000 | 15 | 0,04 % | 6 |
| 26/04/2017 | C15 | Sea bream | 2015 | | 7 000 | 19 | 0,27 % | 6 |
| 26/04/2017 | C16 | Sea bream | 2015 | | 5 000 | 25 | 0,5 % | 10 |
| 26/04/2017 | C18 | Sea bass | 2015 | | 89 988 | 10 | 0,01 % | 3 |
| 26/04/2017 | C20 | Sea bream | 2015 | | 20 179 | 10 | 0,05 % | 4 |
| 26/04/2017 | C34 | Sea bass | 2016 | | 39 136 | 6 | 0,02 % | 1 |
| 26/04/2017 | R01 | Sea bream | 2015 | | 200 233 | 13 | 0,01 % | 5 |
| 26/04/2017 | R13 | Sea bream | 2015 | | 150 449 | 5 | 0 % | 2 |
| 26/04/2017 | R17 | Sea bream | 2015 | | 80 055 | 4 | 0 % | 2 |
| 26/04/2017 | R20 | Sea bream | 2015 | | 211 421 | 3 | 0 % | 1 |
| 26/04/2017 | R21 | Sea bream | 2016 | | 89 934 | 14 | 0,02 % | 2 |
| 26/04/2017 | S01 | Sea bream | 2016 | | 54 943 | 14 | 0,03 % | 2 |
| 26/04/2017 | V50 | Sea bass | 2017 | 01 | 24 984 | 34 | 0,14 % | 0 |
| 26/04/2017 | V50 | Sea bass | 2017 | 01 | 18 000 | 15 | 0,08 % | 0 |
| 26/04/2017 | X10 | Sea bream | 2017 | 01 | 29 977 | 32 | 0,11 % | 0 |
| 26/04/2017 | Y10 | Sea bass | 2017 | 01 | 24 987 | 13 | 0,05 % | 0 |
| 26/04/2017 | Z10 | Sea bream | 2017 | 01 | 29 991 | 11 | 0,04 % | 0 |
| TOTAL GENERAL: | | | | | 1 043 932 648 | 328 | 0,00 % | 64 |

Distribution of fishing:

Print Preview

SOCIETE TUNISIENNE D' ELEVAGE DE POISS...

Fishing Distribution

28/04/2017 16:26

FISHING CARD

Période : 26/04/17
Cage : -

HOUCINE-MOBILE
HOUCINE

SEA BASS

| Cage | AW | Biom | Fishing | Mortalities | | Twisted | | S3 | | S2 | | S | | M | | G | | G2 | |
|---------------------------|-----|------|---------|-------------|---|---------|---|------|---|------|---|------|---|------|-----|------|---|------|---|
| | | | | Qty. | % | Qty. | % | Qty. | % | Qty. | % | Qty. | % | Qty. | % | Qty. | % | Qty. | % |
| C18 | 350 | 2500 | 2500 | | | | | | | | | | | 2500 | 100 | | | | |
| TOTAL SEA BASS :1 Cage(s) | | | 2500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2500 | 100 | 0 | 0 | 0 | 0 |

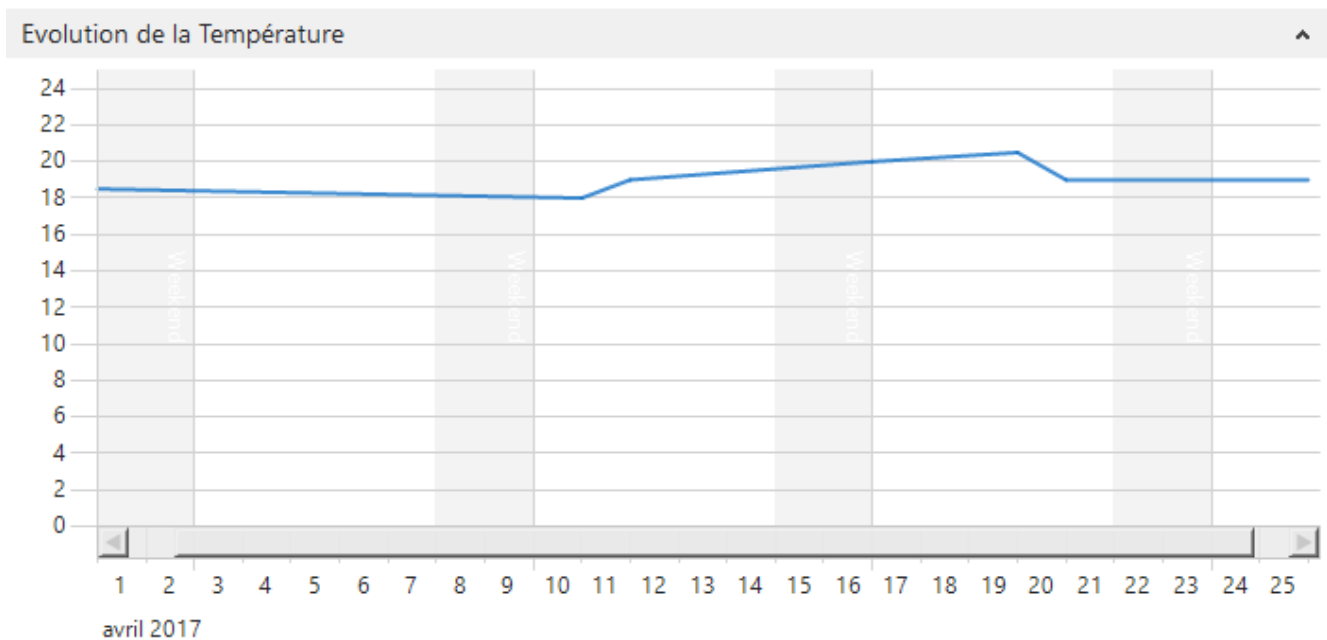
SEA BREEM

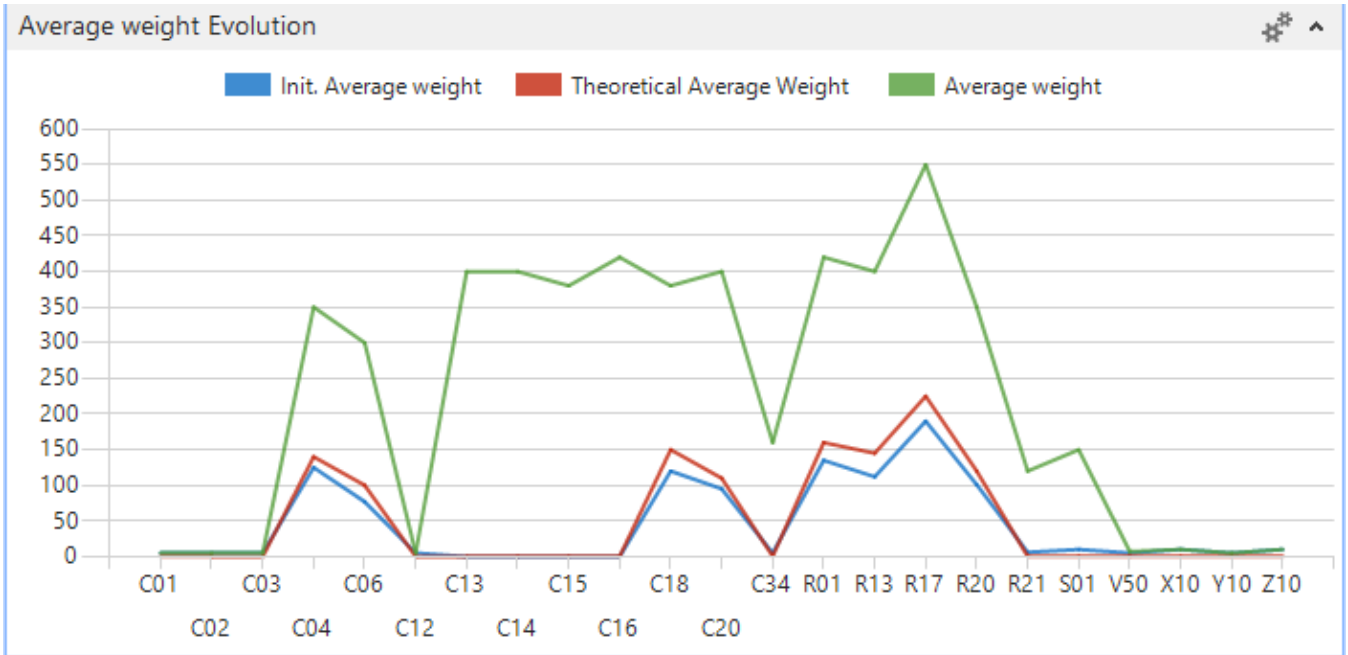
| Cage | AW | Biom | Fishing | Mortalities | | Twisted | | S3 | | S2 | | S | | M | | G | | G2 | |
|----------------------------|-----|------|---------|-------------|---|---------|---|------|---|------|---|------|------|------|---|------|------|------|---|
| | | | | Qty. | % | Qty. | % | Qty. | % | Qty. | % | Qty. | % | Qty. | % | Qty. | % | Qty. | % |
| C20 | 400 | 3000 | 3000 | | | | | | | | | | 3000 | 100 | | | | | |
| R01 | 400 | 6000 | 6000 | | | | | | | | | | 6000 | 100 | | | | | |
| R17 | 600 | 5000 | 5000 | | | | | | | | | | | | | | 5000 | 100 | |
| TOTAL SEA BREEM :3 Cage(s) | | | 14000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9000 | 200 | 0 | 0 | 5000 | 100 | |

Dashboard:

Several dashboards have been configured to illustrate one of the points for the new version of Microsoft Dynamics Nav.

These dashboards are set by the user himself, without resorting to the system administrator.
We chose the following:





SETTINGS

General

A set of parameters are to be defined in this module allowing a certain flexibility.

We can quote the series No. of documents, archiving of documents, default stores by stock, the formula for a population of fish lot No....

Rationing Matrix

The matrix of rationing is the centerpiece of the auto calculates rate daily rationing and the food to be used by cage according to the temperature of seawater, the species and the average weight.

Below is a matrix of one of the foods suppliers:

| Edit - Rationing Matrix | | SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------------------|---|---------|-------------|-----------------|-----------|----------------------|------------------|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| HOME ACTIONS | | Type to filter (F3) | Species | | | | | | | | | | | | | | | | | | |
| Rationing Matrix | | Filter: 110080 | | | | | | | | | | | | | | | | | | | |
| 110080 | BIOMAR | | | | | | | | | | | | | | | | | | | | |
| Spe... | Min Fish weight ... | Max Fish weight ... | Vendor | Vendor name | Vendor feed | Food code | Food description | Granulom... (mm) | Active | 10°C | 11°C | 12°C | 13°C | 14°C | 15°C | 16°C | 17°C | 18°C | 19°C | 20°C | 21°C |
| Sea bass | 1,5 - | 5 | 110080 | BIOMAR | INICIO N°1.1... | BIOM002 | INICIO N°1.1 mm | 1 | <input checked="" type="checkbox"/> | 1,01 | 1,01 | 1,43 | 1,43 | 2 | 2 | 2,77 | 2,77 | 3,75 | 3,75 | 4,96 | 4,96 |
| Sea bass | 5 - | 10 | 110080 | BIOMAR | INICIO PLUS ... | BIOM003 | INICIO N°1,5 mm | 1,5 | <input checked="" type="checkbox"/> | 0,75 | 0,75 | 1,06 | 1,06 | 1,48 | 1,48 | 2,05 | 2,05 | 2,78 | 2,78 | 3,69 | 3,69 |
| Sea bass | 10 - | 25 | 110080 | BIOMAR | INICIO N°1.9... | BIOM004 | INICIO N°1.9 mm | 2 | <input checked="" type="checkbox"/> | 0,52 | 0,52 | 0,74 | 0,74 | 1,04 | 1,04 | 1,44 | 1,44 | 1,96 | 1,96 | 2,6 | 2,6 |
| Sea bass | 25 - | 50 | 110080 | BIOMAR | EFICO YM 86... | BIOM018 | EFICO YM 868 N°3MM | 3 | <input checked="" type="checkbox"/> | 0,4 | 0,4 | 0,57 | 0,57 | 0,8 | 0,8 | 1,12 | 1,12 | 1,52 | 1,52 | 2,02 | 2,02 |
| Sea bass | 50 - | 100 | 110080 | BIOMAR | EFICO YM 86... | BIOM014 | EFICO YM 868 N° 4,5 | 4,5 | <input checked="" type="checkbox"/> | 0,33 | 0,39 | 0,46 | 0,55 | 0,65 | 0,76 | 0,9 | 1,05 | 1,22 | 1,42 | 1,63 | 1,85 |
| Sea bass | 100 - | 200 | 110080 | BIOMAR | EFICO YM 86... | BIOM014 | EFICO YM 868 N° 4,5 | 4,5 | <input checked="" type="checkbox"/> | 0,26 | 0,31 | 0,37 | 0,43 | 0,51 | 0,6 | 0,6 | 0,8 | 0,8 | 1,1 | 1,1 | 1,3 |
| Sea bass | 200 - | 300 | 110080 | BIOMAR | EFICO YM 86... | BIOM014 | EFICO YM 868 N° 4,5 | 4,5 | <input checked="" type="checkbox"/> | 0,3 | 0,3 | 0,3 | 0,4 | 0,6 | 0,7 | 0,9 | 1 | 1 | 1,1 | 1,2 | 1,3 |
| Sea bass | 300 - | 400 | 110080 | BIOMAR | EFICO YM 86... | BIOM020 | EFICO YM 868 N°6,5MM | 6,5 | <input checked="" type="checkbox"/> | 0,3 | 0,3 | 0,3 | 0,4 | 0,5 | 0,7 | 0,8 | 0,9 | 0,9 | 1 | 1,1 | 1,2 |
| Sea bass | 400 - | 1000 | 110080 | BIOMAR | EFICO YM 86... | BIOM020 | EFICO YM 868 N°6,5MM | 6,5 | <input checked="" type="checkbox"/> | 0,15 | 0,18 | 0,21 | 0,17 | 0,26 | 0,34 | 0,43 | 0,52 | 0,5 | 0,5 | 0,75 | 0,75 |
| Sea bream | 1 - | 3 | 110080 | BIOMAR | INICIO N°1.1... | BIOM002 | INICIO N°1,1 mm | 1 | <input checked="" type="checkbox"/> | 1,67 | 1,88 | 2,11 | 2,37 | 2,65 | 2,95 | 3,27 | 3,62 | 3,98 | 4,35 | 4,72 | 5,09 |
| Sea bream | 3 - | 5 | 110080 | BIOMAR | INICIO N°1.1... | BIOM002 | INICIO N°1,1 mm | 1 | <input checked="" type="checkbox"/> | 1,46 | 1,65 | 1,86 | 2,08 | 2,33 | 2,6 | 2,89 | 3,19 | 3,51 | 3,84 | 4,17 | 4,49 |
| Sea bream | 5 - | 8 | 110080 | BIOMAR | INICIO N°1,5... | BIOM003 | INICIO N°1,5 mm | 1,5 | <input checked="" type="checkbox"/> | 1,29 | 1,46 | 1,64 | 1,84 | 2,06 | 2,29 | 2,55 | 2,82 | 3,1 | 3,39 | 3,69 | 3,98 |
| Sea bream | 8 - | 10 | 110080 | BIOMAR | INICIO N°1.5... | BIOM003 | INICIO N°1.5 mm | 1,5 | <input checked="" type="checkbox"/> | 1,18 | 1,33 | 1,5 | 1,68 | 1,88 | 2,1 | 2,33 | 2,58 | 2,84 | 3,11 | 3,38 | 3,64 |
| Sea bream | 10 - | 15 | 110080 | BIOMAR | INICIO N°1,5... | BIOM003 | INICIO N°1,5 mm | 1,5 | <input checked="" type="checkbox"/> | 1,12 | 1,26 | 1,42 | 1,59 | 1,78 | 1,99 | 2,21 | 2,44 | 2,69 | 2,94 | 3,2 | 3,45 |
| Sea bream | 10 - | 20 | 110080 | BIOMAR | EFICO YM 66... | BIOM015 | EFICO YM 668 N° 1,9 | 2 | <input checked="" type="checkbox"/> | 0,94 | 0,94 | 1,2 | 1,2 | 1,5 | 1,5 | 1,86 | 1,86 | 2,27 | 2,27 | 2,7 | 2,7 |
| Sea bream | 15 - | 20 | 110080 | BIOMAR | EFICO YM 66... | BIOM015 | EFICO YM 668 N° 1,9 | 2 | <input checked="" type="checkbox"/> | 1,02 | 1,15 | 1,29 | 1,45 | 1,62 | 1,81 | 2,01 | 2,22 | 2,45 | 2,68 | 2,91 | 3,14 |
| Sea bream | 20 - | 50 | 110080 | BIOMAR | EFICO PLUS ... | BIOM026 | EFICO PLUS 805 3 mm | 3 | <input checked="" type="checkbox"/> | 0,73 | 0,73 | 0,93 | 0,93 | 1,17 | 1,17 | 1,45 | 1,45 | 1,77 | 1,77 | 2,1 | 2,1 |
| Sea bream | 50 - | 75 | 110080 | BIOMAR | EFICO YM 66... | BIOM019 | EFICO YM 664 N°3MM | 3 | <input checked="" type="checkbox"/> | 0,64 | 0,72 | 0,88 | 0,91 | 1,02 | 1,14 | 1,26 | 1,4 | 1,54 | 1,69 | 1,84 | 1,98 |
| Sea bream | 75 - | 120 | 110080 | BIOMAR | EFICO YM 86... | BIOM017 | EFICO YM 864 N° 4,5 | 4,5 | <input checked="" type="checkbox"/> | 0,56 | 0,63 | 0,71 | 0,8 | 0,9 | 1 | 1,11 | 1,23 | 1,36 | 1,49 | 1,62 | 1,75 |
| Sea bream | 120 - | 150 | 110080 | BIOMAR | EFICO YM 86... | BIOM017 | EFICO YM 864 N° 4,5 | 4,5 | <input checked="" type="checkbox"/> | 0,52 | 0,59 | 0,66 | 0,75 | 0,84 | 0,93 | 1,04 | 1,15 | 1,26 | 1,38 | 1,51 | 1,63 |
| Sea bream | 150 - | 200 | 110080 | BIOMAR | EFICO YM 86... | BIOM017 | EFICO YM 864 N° 4,5 | 4,5 | <input checked="" type="checkbox"/> | 0,43 | 0,43 | 0,54 | 0,54 | 0,68 | 0,68 | 0,85 | 0,85 | 1,03 | 1,03 | 1,23 | 1,23 |

TRACEABILITY

A traceability report by cage and by Lot number is to edit summary of breeding in terms of traceability of origin, feeding and treatment.

Traceability is a population, with mortality data, production, sale, feeding, treatment, and movements.

| TRACEABILITY REPORT | | | | | 29/04/2017 13:16 | |
|--------------------------------|-------------------|----------------|----------------|---------------|----------------------|---------------|
| 09/07/15..29/04/17 | | | | | HOUCINE-MOBILE/HOUCI | |
| | | | | | 1 | |
| INFORMATIONS | | | | | | |
| Lot : | C18Sea bass -2015 | Population : | 82 835 | | | |
| Band : | Sea bass -2015 | AW (g) : | 250 | | | |
| Lot No. | 090715ATULC18 | Biomass (Kg) : | 20 708,75 | | | |
| Cage : | C18 | Laying date : | | | | |
| Vendor : | Hatchery | | | | | |
| Arived on : | 09/07/2015 | | | | | |
| MORTALITY - SKIMMING | | | | | | |
| | Number | Biomass (Kg) | Mortality rate | Survival rate | | |
| Mortality | -158 | 1,58 | 0,19 | 99,81 | | |
| Nodaviros | 79 | 3 | 33,33 | 66,67 | | |
| Asphyxia | 0 | 0 | 0 | 100 | | |
| Vibriosis | 0 | 0 | 0 | 100 | | |
| Cryp | 0 | 0 | 0 | 100 | | |
| Past | 0 | 0 | 0 | 100 | | |
| Lympho | 0 | 0 | 0 | 100 | | |
| Photobac | 0 | 0 | 0 | 100 | | |
| Myxospor | 0 | 0 | 0 | 100 | | |
| TOTAL | 237 | 4,58 | 33,52 | | | |
| Sale : | 238 500 | | | | | |
| Production : | 27 056,3 | | | | | |
| Index conversion : | 0,66 | | | | | |
| FOODING | | | | | | |
| Food | Start date | End date | Lot No. | Quantity (Kg) | | |
| EFICO YM 868 N°6,5MM | 12/04/2017 | 26/04/2017 | Z12480 | 2000 | | |
| EFICO YM 868 N° 4.5 | 09/05/2016 | 11/04/2017 | S79580 | 825 | | |
| EFICO YM 868 N° 4.5 | 25/03/2016 | 09/05/2016 | 31090 | 14800 | | |
| EFICO YM 864 N° 4,5 | 08/03/2016 | 08/03/2016 | 12486G | 300 | | |
| TOTAL | | | | 17925 | | |
| TREATMENTS | | | | | | |
| Treatment | Start date | End date | Lot No. | Quantity (Kg) | | |
| Vitamine C | 09/05/2016 | 01/04/2017 | 123456 | 2,5 | | |
| TOTAL | | | | 2,5 | | |
| MOUVEMENTS | | | | | | |
| Type - Date - Bande | Origin cage | NBR | BIOM | AW | Provenance | Destination |
| INT 09/07/2015 Sea bass 2015 | C18 | 248855 | 4421 | 120 | | Sea bass 2015 |
| FIS 01/04/2016 Sea bass 2015 | C18 | -20000 | 0 | 0 | | Sea bass 2015 |
| FIS 06/04/2016 Sea bass 2015 | C18 | -10000 | 0 | 0 | | Sea bass 2015 |
| FIS 07/05/2016 Sea bass 2015 | C18 | -1000 | 0 | 0 | | Sea bass 2015 |
| FIS 06/05/2016 Sea bass 2015 | C18 | -1000 | 0 | 0 | | Sea bass 2015 |
| FIS 09/05/2016 Sea bass 2015 | C18 | -10000 | 0 | 0 | | Sea bass 2015 |
| FIS 09/05/2016 Sea bass 2015 | C18 | -10000 | 0 | 0 | | Sea bass 2015 |
| FIS 11/04/2017 Sea bass 2015 | C18 | -33333 | 0 | 0 | | Sea bass 2015 |
| FIS 01/04/2017 Sea bass 2015 | C18 | -22222 | 0 | 0 | | Sea bass 2015 |
| TRF - 11/04/2017 Sea bass 2015 | C18 | -41164 | 49407,4 | 300 | C04 | Sea bass 2015 |
| FIS 20/04/2017 Sea bass 2015 | C18 | -10000 | 0 | 0 | | Sea bass 2015 |
| FIS 26/04/2017 Sea bass 2015 | C18 | -7143 | 0 | 0 | | Sea bass 2015 |

In addition to the report, a historical Lot No. is now available, to mark the date of seeding and recapitulate feeding, mortality, fishing by cage and Lot No.

ACTIONS **REPORT**

Fishing Food statement Mortality & Treatment Sampling Transfer Adjustment Alevins Reception Emptying cage Processing Cages situation **Lots History** Tracking View Tracking report Operating Setup Rationing Matrix Setup Breeding costs Costs Refresh Page

Status of the cage shows if the lot has been finished and on what date.

View - Lots History

HOME SOCIETE TUNISIENNE D' ELEVAGE DE POISSONS

Expand All Collapse All Refresh Find


Manage Page

Lots History

Type to filter (F3) Cage code Species

No filters applied

| Cage code | Species | Generation | Status | Cumulation Fishes | Cumulation Mortalities | Food Qty. | Seeding date | Emptying date |
|---|------------------|------------|----------|-------------------|------------------------|-----------|--------------|---------------|
| C04 | ATU... Sea bass | 2015 | En cours | -12 000 | -267 | 23 545 | 15/07/2015 | |
| C06 | ATU... Sea bass | 2015 | En cours | -64 786 | -329 | 13 010 | 25/07/2015 | |
| C12 | ATU... Sea bream | 2017 | En cours | 0 | 0 | 50 | 26/04/2017 | |
| C18 | ATU... Sea bass | 2015 | En cours | -124 698 | -158 | 17 925 | 09/07/2015 | |
| C20 | ATU... Sea bream | 2015 | En cours | -245 991 | -84 | 22 425 | 02/08/2015 | |
| <input checked="" type="checkbox"/> C34 | ATU... Sea bream | 2015 | Epurée | 0 | -97 | 3 945 | 02/08/2015 | 08/04/2016 |
| C34 | ATU... Sea bass | 2016 | En cours | -20 800 | -70 | 1 255 | 27/04/2016 | |
| R01 | ATU... Sea bream | 2015 | En cours | -31 714 | -264 | 27 483 | 03/07/2015 | |
| R13 | ATU... Sea bream | 2015 | En cours | -10 000 | -142 | 20 440 | 11/08/2015 | |
| R17 | ATU... Sea bream | 2015 | En cours | -102 777 | -115 | 16 165 | 18/08/2015 | |
| R20 | ATU... Sea bream | 2015 | En cours | -47 500 | -169 | 20 830 | 06/08/2015 | |
| <input checked="" type="checkbox"/> R21 | ATU... Sea bream | 2015 | Epurée | 0 | -105 | 450 | 10/08/2015 | 09/04/2016 |
| R21 | ATU... Sea bream | 2016 | En cours | -10 000 | -80 | 2 200 | 27/04/2016 | |
| S01 | ATU... Sea bream | 2016 | En cours | -10 000 | -71 | 2 350 | 11/04/2016 | |
| T01 | ATU... Sea bream | 2016 | Epurée | -55 833 | -36 | 1 500 | 11/04/2016 | 12/04/2017 |
| U01 | ATU... Sea bass | 2016 | Epurée | -30 000 | -17 | 1 850 | 11/04/2016 | 12/04/2017 |
| V50 | ATU... Sea bass | 2016 | Epurée | 0 | -100 | 925 | 11/04/2016 | 03/05/2016 |

Species: 

Number: 39 130
Biomass: 6 260,8
Average weight: 160
Delta-Biomass: 3 260,8
conversion in...: 0,39
Charge: 0

Notes

OK

ACCESSIBILITY WEB & MOBILE

Microsoft Dynamics Nav is accessible via its Windows Client interface, but also via a web browser (IE, Chrome, Edge, Firefox...) on a PC, tablet or a Smartphone Android.

This accessibility will allow total and availability in real time your data and dashboard.

PC:

The screenshot displays the Microsoft Dynamics NAV web client interface. The browser address bar shows the URL: `houcine-mobile:8080/STEP/WebClient/Default.aspx?company=S.T.E.P.`

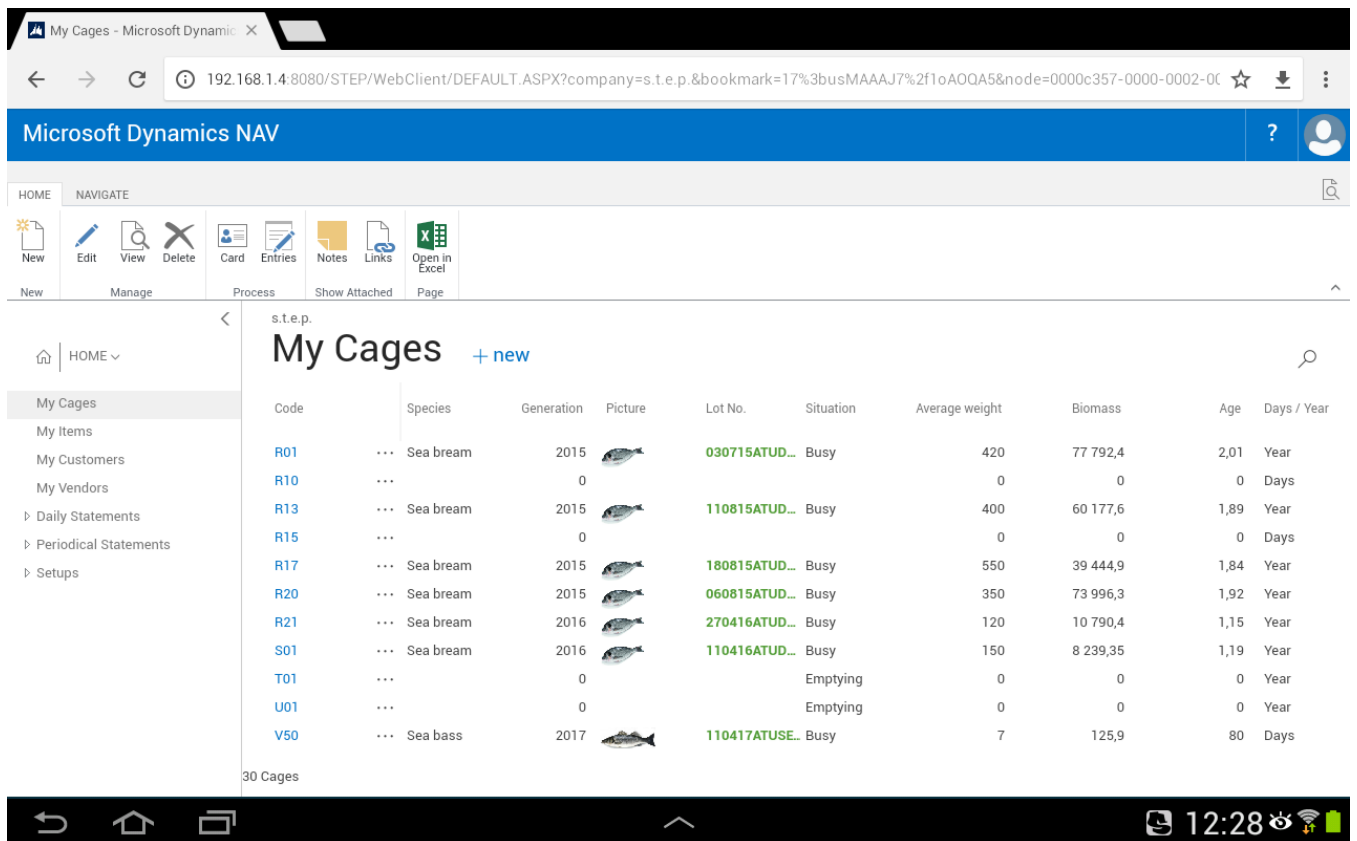
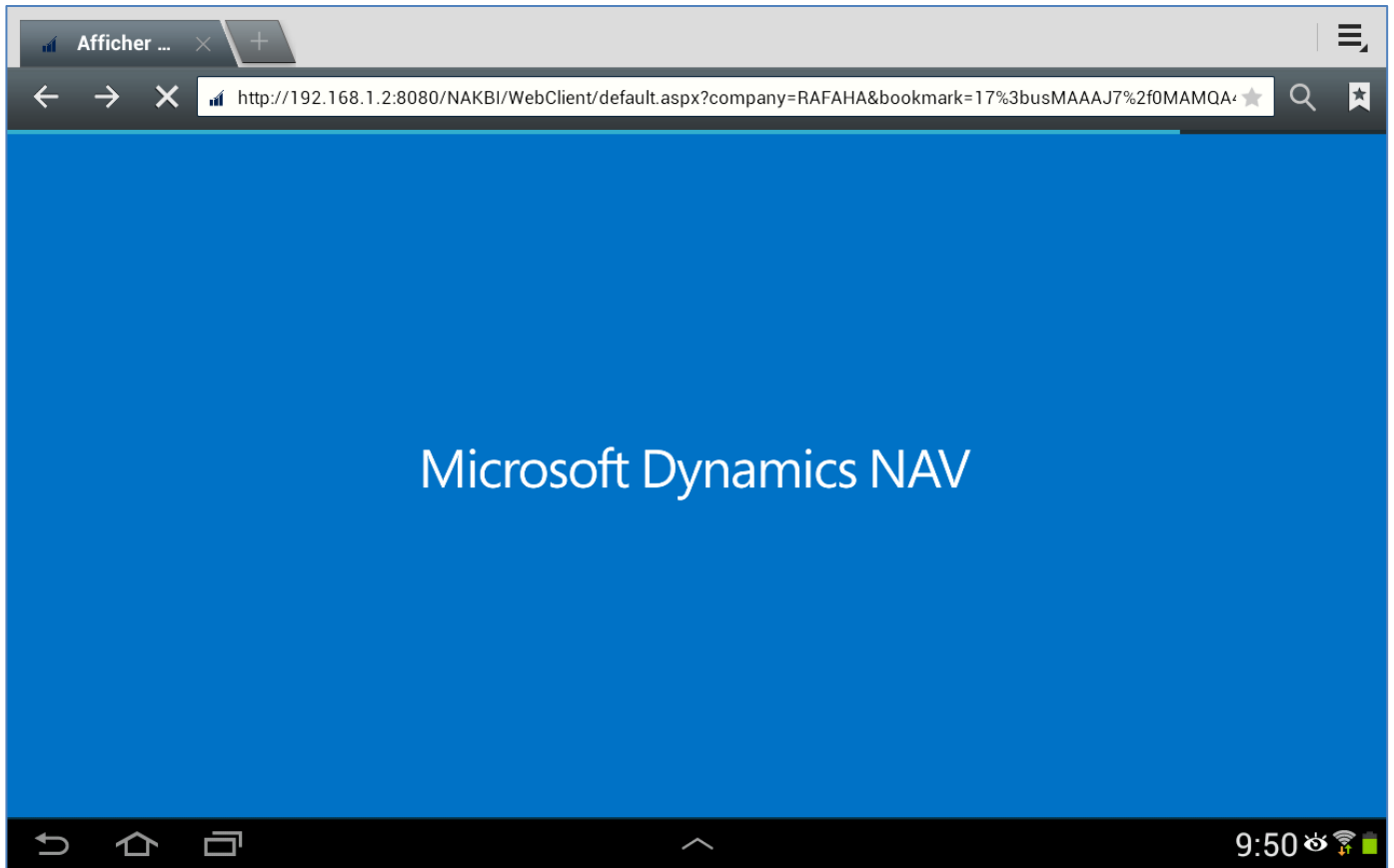
The main header is "Microsoft Dynamics NAV". Below it, there are tabs for "ACTIONS" and "REPORT". The "ACTIONS" tab is active, showing a grid of icons for various functions: Fishing, Food statement, Mortality & Treatment, Sampling, Transfer, Adjustment, Alevins Reception, Emptying cage, Cages situation, Lots History, Tracking View, Tracking report, Operating Setup, Rationning Matrix, and Breeding costs.

The main content area is titled "Gestionnaire des cages" and "S.T.E.P.". It features a "Cages Situation Lite" section with a grid of 24 data tiles. Each tile displays a numerical value, a small line chart, and descriptive text including cage ID, sea bass status, and age.

| Cage ID | Value | Description |
|---------|---------|--------------------------------|
| C01 | 79 993 | Sea bass-2017 Age : 68 Days |
| C02 | 49 987 | Sea bream-2017 Age : 68 Days |
| C03 | 130 000 | Sea bass-2017 Age : 123 Days |
| C04 | 229 387 | Sea bass-2015 Age : 1,97 Year |
| C06 | 155 285 | Sea bass-2015 Age : 1,94 Year |
| C12 | 180 000 | Sea bream-2017 Age : 123 Days |
| C13 | 6 965 | Sea bream-2015 Age : 9 Days |
| C14 | 39 985 | Sea bream-2015 Age : 9 Days |
| C15 | 6 981 | Sea bream-2015 Age : 9 Days |
| C16 | 4 975 | Sea bream-2015 Age : 9 Days |
| C17 | 0 | |
| C18 | 82 835 | Sea bass-2015 Age : 1,99 Year |
| C20 | 12 669 | Sea bream-2015 Age : 1,92 Year |
| C34 | 39 130 | Sea bass-2016 Age : 1,14 Year |
| R01 | 185 220 | Sea bream-2015 Age : 2 Year |
| R10 | 0 | |
| R13 | 150 444 | Sea bream-2015 Age : 1,88 Year |
| R15 | 0 | |
| R17 | 71 718 | Sea bream-2015 Age : 1,84 Year |
| R20 | 211 418 | Sea bream-2015 Age : 1,91 Year |
| R21 | 89 920 | Sea bream-2016 Age : 1,14 Year |
| S01 | 54 929 | Sea bream-2016 Age : 1,19 Year |
| T01 | 0 | Emptying |
| U01 | 0 | Emptying |
| V50 | 17 985 | Sea bass-2017 Age : 78 Days |
| W10 | 0 | Emptying |
| X10 | 29 945 | Sea bream-2017 Age : 78 Days |
| Y10 | 24 974 | Sea bass-2017 Age : 78 Days |
| Z10 | 29 980 | Sea bream-2017 Age : 78 Days |
| Z99 | 0 | Emptying |

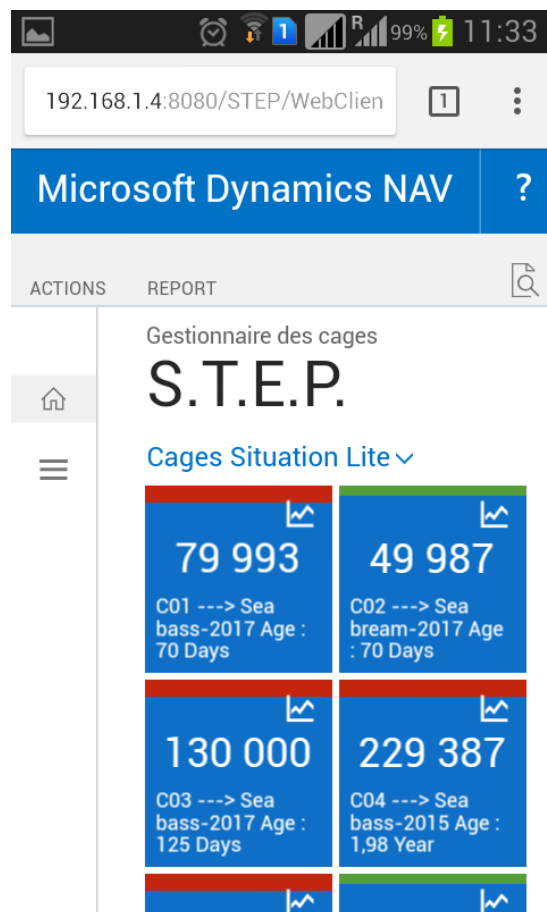
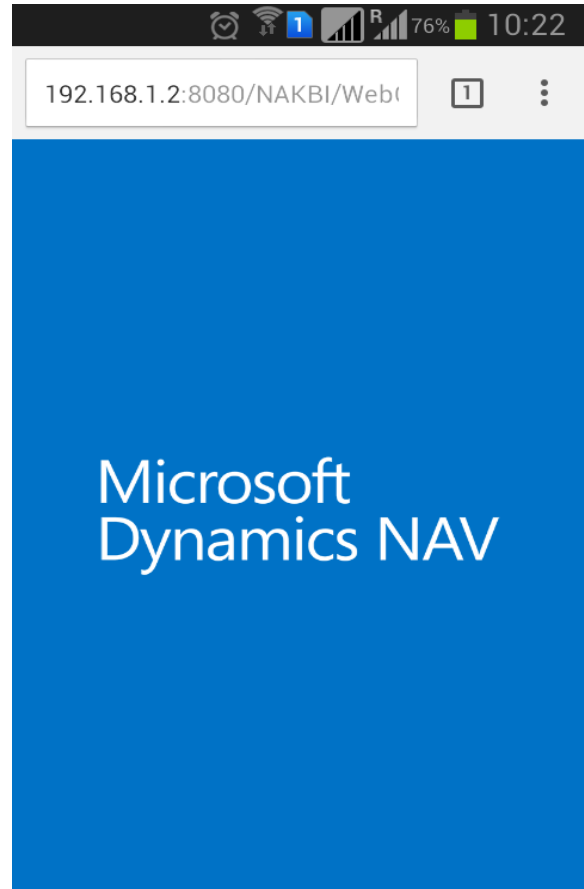
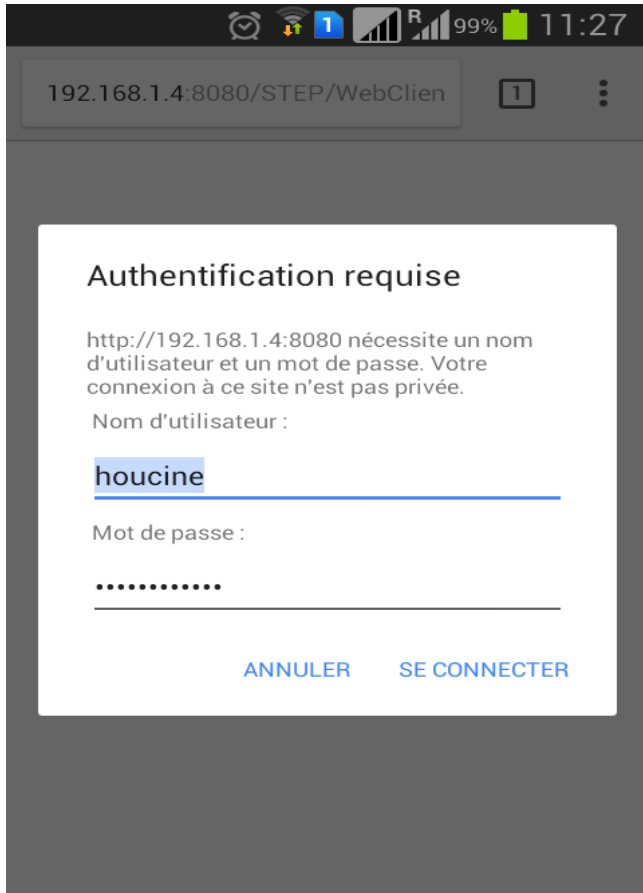
Tablet:

User-friendly interface,



Smartphone:

Simple login interface,



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