Premium Interface Component
User's Reference

International Brangus Breeders Association

Introduction

Midwest MicroSystems recognizes and applauds the leadership of the International Brangus Breeders Association in encouraging electronic data transfer. Accordingly, we have developed a breed template in the **Premium Interface Component** (PIC) that customizes **Cow Sense** to fit the exact fields of information that the Association requires. Cow Sense then allows you maximum flexibility to customize the rest of the program to your individual management needs. The software handles all of the technical aspects of data structure and file layouts and gives you the simple convenience of menu driven commands. Apply the pre-defined data structure to your Cow Sense herd, then simply select import and export routines that are written for specific data exchange functions. Validations operate in the background to ensure that data requirements are met on both import and export.

The primary functions of PIC are to: maintain standardized fields required by the respective breed associations; send in applications for animal registration; meet the requirements of total herd reporting; and to receive back registrations and EPD updates. Accordingly we have organized this document to follow the format of the respective procedure(s) documented in the *International Brangus Breeders Association Breeder's Guide*.

The Cow Sense Users' Guide will explain the use and functionality of the program and the many new features available with Cow Sense Version 4. This document will assist you in locating and working with the specific fields that are used in the IBBA Premium Interface Component (PIC) of Cow Sense Software. To launch the Premium Interface Component from the Cow Sense Main Menu - Go to: **Utilities > Transfer Data > Premium Interface Component**.

The following are detailed instructions for entering information, required field verification and data location within Cow Sense herd management software. In addition, this information has been condensed in a series of Quick Reference Tables for easy reference in using the Cow Sense Premium Interface Component.

Installation of the PIC Breed Template

The first step when using PIC for the first time is to install a breed template. A breed template is used to customize your herd by adding necessary fields or changing description codes so you can conform to association rules and export the necessary information needed by that association.

If Midwest MicroSystems did your initial herd build or conversion then your template is already in place and you do not need to apply it to this herd. If you are applying the template to a previously established or new herd for the first time, Go to **PIC Main Menu Select: Breeds > Templates > Brangus**. The program will display the name and location of the current herd and ask you to confirm that the herd listed is the one, upon which you wish to apply the template. Select either the 'Yes' or 'No' button.

After a breed template is applied PIC will customize itself for the specific breed by adding menu options that can be chosen to perform various operations like exporting registration and performance data to the association and even updating your herd with data received from the association. Please note that you can only apply one breed template to your herd at a time.

Submitting Registration Information from PIC

To electronically submit a registration application with the Association via the Cow Sense Premium Interface Component the following information must be gathered and input into Cow Sense. On the following pages that follow is a quick reference table where you can locate the fields and the type of information that is required to be entered in those fields. After reviewing these tables, you will better understand the type of data that needs to be entered before trying to export data to the association.

NOTE: This same process is used for Weaning, Yearling, and Ultrasound exports.
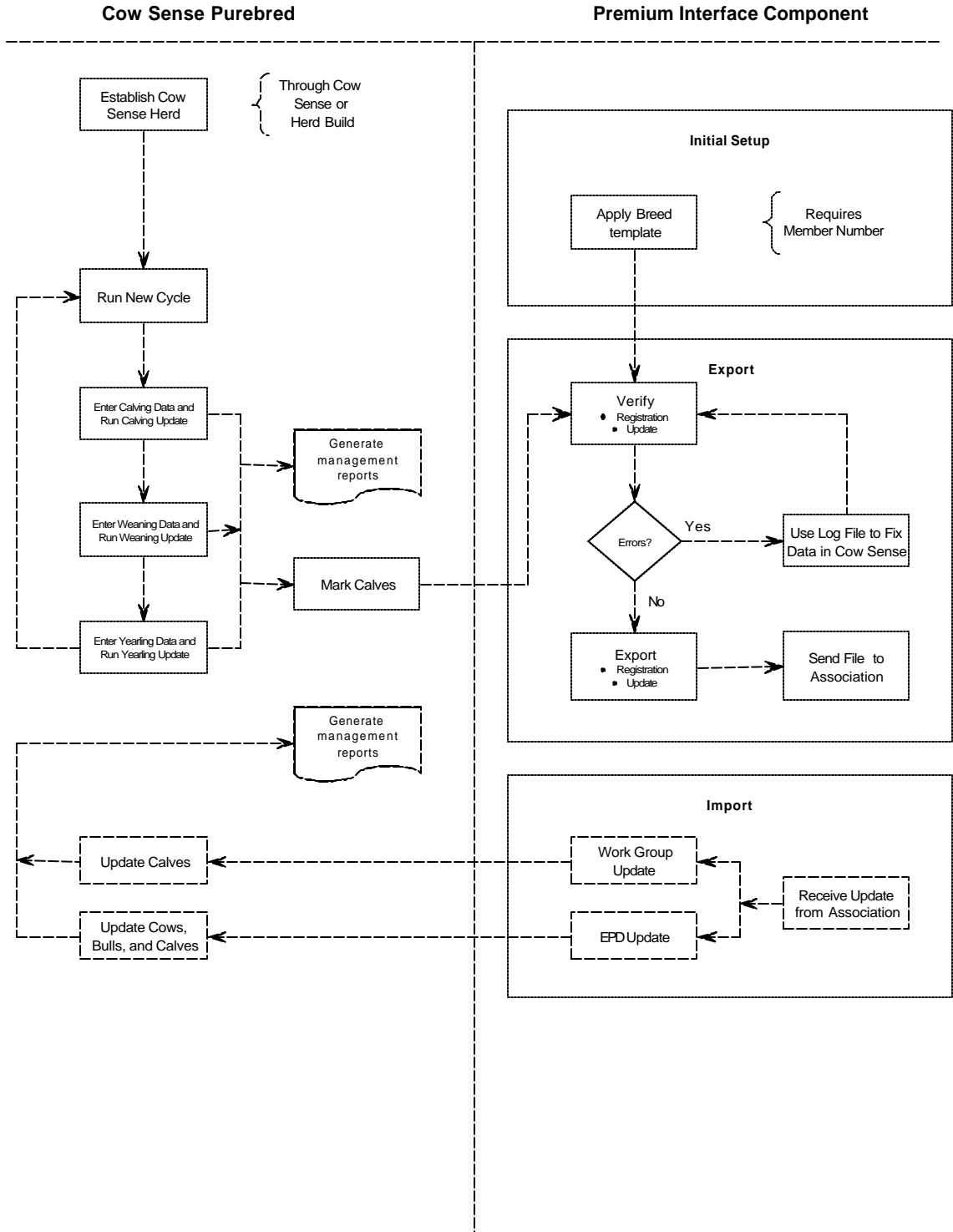
Once all necessary information has been entered into Cow Sense Version 4, you can then prepare to submit that information to the association. The following steps will help guide you through the process of submitting registration information to the association:

1. First review the list of calves in Cow Sense and Mark all records to be Exported (refer to page 69 of the *Cow Sense User's Guide*).

2. Once records are Marked for Export proceed to the Cow Sense Main Menu and **Select > Utilities > Transfer Data > Premium Interface Component**.

3. Once PIC has launched, proceed to the Main Menu bar and **Select: Breeds > Export > Brangus > Registration > Verify**.

4. A Verify Registrations window will appear asking if you wish to verify the information from the Cow Sense herd listed before exporting it to a file for submission to the association. Select the 'Verify' button.

5. An Export File window will appear asking you to confirm the number of records to be verified. If this is the same number as the records you marked, Select the 'Yes' button, if not Select the 'No' button and repeat the procedure to determine the discrepancy.

6. After selecting the 'Yes' button another window will appear that asks if you want to print warnings in the result log. It is recommended that you choose 'Yes'. After selecting the 'Yes' button a progress bar will appear and the verification process will take place. This could take some time.

7. After this process is complete a window will appear either telling you that no errors were found or asking you if you wish to view the error log file. Choose 'Yes'. If any errors were encountered, they will now be displayed in Notepad. Please note that PIC validates all records to ensure that all required information is included and reports any errors encountered, all warnings that were issued, as well as all records exported at this time.

8. Review these errors (if there are any) and make any necessary changes in Cow Sense.

9. Repeat the verification process until no errors are encountered.

10. Once you have completed the verification process you are now ready to run the final export for the association. Go to the Main Menu bar and **Select: Breeds > Export > Brangus > Registration > Export**.

11. An Export Registrations window will appear asking if you wish to export the information from the Cow Sense herd listed, exporting it to a file for submission to the Association. Select the 'Export' button.

12. An Export File window will appear asking you to confirm the number of records to be verified. If this is the same number as the records you marked, Select the 'Yes' button, if not Select the 'No' button and repeat the procedure to determine the discrepancy.

13. After selecting the 'Yes' button another window will appear that asks if you want to print warnings in the result log. It is recommended that you choose 'Yes'.

14. After selecting the 'Yes' button another window will appear asking you to confirm the breeder information that will be used for the registration of your calves. Click on 'Submit Under Different Name' if you wish to change the person who is registering the calves.

15. After selecting the 'Done' button you will be asked to confirm your email address. Re-enter your email address and click 'OK'.

16. The information you chose to use will be displayed in another window for your review. After clicking 'Yes' a confirmation window will appear telling you who will be registering the marked calves. Please note that if there is more than one breeder registering calves you will have to run a separate export for each of them. Click 'Yes' if this information is correct and a progress bar will appear and the export process will take place. This could take some time.

17. After this process is complete a window will appear that indicates the Export function was complete. Please note that PIC will validate the data one last time to ensure that there are no errors. If there are errors encountered you will be able to review them the same way as in the verification process. Please note that the error log displayed in the Export routine is more abstract and may not list every error. It is recommended that you always use the verification process until no errors are found. This will save you some time.

18. When all records have been successfully exported, PIC will inform you where the export file is located. This export file is an electronic file that can be sent to the Association. The IBBA will accept this file via email.

You have now completed registration of your calves.

Cow Sense™ Herd Management Software

Cow Sense Purebred   **Premium Interface Component**

```
┌──────────────┐      ⎧ Through Cow
│ Establish Cow│      ⎨ Sense or
│ Sense Herd   │      ⎩ Herd Build
└──────────────┘
```

Initial Setup

```
┌──────────────┐      ⎧ Requires
│ Apply Breed  │      ⎨ Member Number
│ template     │      ⎩
└──────────────┘
```

```
┌──────────────┐
│ Run New Cycle│
└──────────────┘
```

Export

```
┌──────────────────────┐
│ Enter Calving Data and│
│ Run Calving Update    │
└──────────────────────┘
```

```
        Verify
        • Registration
        • Update
```

```
┌──────────────┐
│ Generate     │
│ management   │
│ reports      │
└──────────────┘
```

```
┌──────────────────────┐        Errors?          Yes    ┌────────────────────┐
│ Enter Weaning Data and│                         ───▶  │ Use Log File to Fix│
│ Run Weaning Update    │                                │ Data in Cow Sense  │
└──────────────────────┘                                └────────────────────┘
```

```
┌──────────────┐          No
│ Mark Calves  │
└──────────────┘
```

```
┌──────────────────────┐        Export              ┌──────────────┐
│ Enter Yearling Data and│      • Registration      │ Send File to │
│ Run Yearling Update   │       • Update            │ Association  │
└──────────────────────┘                            └──────────────┘
```

```
┌──────────────┐
│ Generate     │
│ management   │
│ reports      │
└──────────────┘
```

Import

```
┌──────────────┐       ┌──────────────┐
│ Update Calves│◀──────│ Work Group   │
└──────────────┘       │ Update       │
                       └──────────────┘      ┌──────────────┐
                                             │ Receive Update│
                                             │ from Association│
┌──────────────┐       ┌──────────────┐      └──────────────┘
│ Update Cows, │◀──────│ EPD Update   │
│ Bulls, and   │       └──────────────┘
│ Calves       │
└──────────────┘
```

IBBA FILE LAYOUTS

TABLE 1: REGISTRATION FILE: ENTER DATA CALVES, COWS AND BULLS

Entry Form	Cow Sense Field(s)	Required	Description/Use	Assoc Field Name
Calving Main	Birth Date	Always	Calf's Birth Date (mm/dd/yyyy)	Calf Birth Date
Calving Main	Birth Weight	Always	Calf's Birth Weight	Calf Birth Weight
Calving Main	Born As	Always	Enter type of birth: S = Single TB = Twin to Bull TH = Twin to Heifer E = Embryo Transfer ES = Split embryo C = Clone R = Triplet	Birth Type
Calving Main	Calving Ease	Always	Calving Ease Enter one of the following: 1 = Unassisted 2 = Easy pull 3 = Hard Pull – puller used 4 = Caesarean 5 = Abnormal Presentation	Calving Ease

Calving Main	Color	Always	Calf's Color Enter one of the following: 1 = Black with absolutely no white. 2 = Black with some white behind the navel (no white allowed in front of navel). 3 = Brownish black with black pigmentation and black mucous membranes with absolutely no white. 4 = Brownish black with some white behind the navel (no white allowed in front of navel). 5 = Red with pink nose with absolutely no white. 6 = Red with some white behind the navel (no white allowed in front of the navel). 7 = Slight dun or yellow color with pink pigmentation with absolutely no white 8 = Slight dun or yellow color with some white behind the navel (no white allowed in front of navel). 9 = Black or brownish black with illegal white or pink pigmentation. 10 = Red or slightly dun or yellow color with illegal white. 11 = Brindle (a color pattern characterized by red streaks mingled with black). 12 = Gray with black skin pigmentation. 13 = Off color (dun, yellow, brown, or reddish color with black pigmentation or black nose).	Calf Color
Calving Main	Cow ID	Always	Cow ID	Dam ID
Calving Main	Poll	Always	Poll Status Enter one of the following: H = Horned P = Polled S = Scurs	Calf Poll Status
Calving Main	PHN	Always	Enter the calf's Private Herd Number, which may be a tattoo or a brand	PHN
Calving Main	PHN Loc	Always	Enter the location of the calf's Private Herd Number. If a tattoo: RE, LE or BE If a brand: RS, RR, RH, LS, LR or LH	PHN Location
Calving Main	Recip ID	If ET Calf	Calf's Recipient ID or Registration Number (ET calves only)	Recip ID
Calving Main	Sex	Always	Calf sex (Enter one of the following) B = Bull H = Heifer S = Steer (Should not be used at this time, change sex to steer for weaning/yearling submission)	Calf Sex

Calving Main	Sire ID	Always	Sire ID	Sire ID
Weaning Main	Name	Only If Registering	Calf's Name (Limited to 28 characters) (Leave blank if only reporting as performance animal)	Calf Name
Supplemental (Calf)	Birth Contemp Group		Birth contemporary group	Birth Cont Group
Supplemental (Calf)	Breeder Number	Always	PIC uses the Breeder Number field on the calf for exports. If it is blank, the Breeder ID entered when the template was applied is used.	Member Number
Supplemental (Calf)	IBBA Status		Refer to Status and Disposal codes supplied by the Association.	Status
Supplemental (Calf)	ET Flush Date	If ET Calf	ET Flush Date	ET Flush Date
Supplemental (Calf)	ET Transfer Date	If ET Calf	ET Transfer Date	ET Transfer Date
Supplemental (Calf)	Location		Pasture ID of the animal (Location of the animal. The Location Wizard in Cow Sense should be used to maintain this field) (Defaults to 1 at the Association if not provided)	Pasture ID
Supplemental (Calf)	Premises ID		Premises ID of where the animal is located. (Defaults to member number at the Association if not provided)	Premises ID
Supplemental (Calf)	IBBA Service Type	Always	PIC will look at the Sire Type on the calf record in combination with Born As and breeding records to determine the Service Type code to send to the Association (N,A,E). If PIC cannot determine the Sire Type, you will have to fill in the information in Supplemental for IBBA Service Type.	Service Type
Cow Main	Registration	Always	Dam's Registration Number AND Recipient's Registration Number (if an ET Calf)	Dam Registration, Recip Registration
Supplemental (Cow)	Udder Score		Dam's udder suspension score (1-9)	Udder Score
Supplemental (Cow)	Teat Score		Dam's udder teat size score (1-9)	Teat Score
Bull Main	Registration	Always	Sire's Registration Number	Sire Registration

TABLE 2: WEANING FILE: ENTER DATA CALVES, COWS

Entry Form	Cow Sense Field(s)	Required	Description/Use	Assoc Field Name
Weaning Main	Registration	Always	Calf's registration number	Registration
Weaning Main	Sex	Always	Calf sex (Enter one of the following) B = Bull H = Heifer S = Steer	Sex
Weaning Main	Hip Height		Weaning hip height	Hip Height
Weaning Main	Hip Height Date		Weaning hip height date	Hip Height Date
Weaning Main	Weaning Date	Always	Weaning weight date	Weaning Weight
Weaning Main	Weaning Weight	Always	Weaning weight	Weaning Date
Yearling Main	Scrotum		Weaning scrotum measurement, (using yearling entry box, update again for yearling submission)	Scrotal
Yearling Main	Scrotum Date		Weaning scrotum measurement date, (using yearling entry box, update again for yearling submission)	Scrotal Date
Supplemental (Calf)	Breeder Number	Always	PIC uses the Breeder Number field on the calf for exports. If it is blank, the Breeder ID entered when the template was applied is used.	Member Number
Supplemental (Calf)	IBBA Status		Refer to Status and Disposal codes supplied by the Association.	Calf Status
Supplemental (Calf)	Location		Pasture ID of the animal (Location of the animal. The Location Wizard in Cow Sense should be used to maintain this field) (Defaults to 1 at the Association if not provided)	Pasture ID

Supplemental (Calf)	Premises ID		Premises ID of where the animal is located. (Defaults to member number at the Association if not provided)	Premises ID
Supplemental (Calf)	Sheath/Navel Score		Sheath or Navel Score (1-5) Sheath Score (Bull) 1 = Excessively clean, Angus-like. 2 = Optimum; Brahman influence indicated, but no excess leather in navel area. 3 = Acceptable; leather in navel slightly in excess of desirable amounts. 4 = Marginal; excessive loose leather in navel area, slightly pendulous sheath. 5 = Unacceptable; extremely pendulous sheath. Also includes all bulls with large prepucial openings. Navel Score (Cow) 1 = Excessively clean, Angus-like. 2 = Optimum; Brahman influence indicated, but no excess leather in navel area. 3 = Acceptable; leather in navel slightly more than desired. Leather may run length of underline. 4 = Marginal; excessive leather in both navel area and complete underline. 5 = Unacceptable; pendulous nacel flap, lather in navel and underline in excess of desirable amounts.	Calf Sheath/Navel Score
Supplemental (Calf)	Temper Score		Temper Score (1-6): 1 = Mild Disposition 2 = Quieter Than Average 3 = Normal 4 = Jumpy 5 = Aggressive 6 = Extremely Aggressive	Calf Temper Score
Supplemental (Calf)	Weaning Contemp Group		Weaning contemporary group	Wean Cont Group
Supplemental (Calf)	Weaning Feed Code		Weaning Feed Code (1-4) 1 = Own dam, no creep 2 = Own dam, with creep feed 3 = Raised on foster dam 4 = On show ration	Wean Feed Code
Cow Main	IBBA Status		Refer to Status and Disposal codes supplied by the Association.	Dam Status

TABLE 3: *YEARLING FILE:* ENTER DATA CALVES

Entry Form	Cow Sense Field(s)	Required	Description/Use	Assoc Field Name
Yearling Main	Registration	Always	Calf's registration number	Registration
Yearling Main	Sex	Always	Calf sex (Enter one of the following) B = Bull H = Heifer S = Steer	Sex
Yearling Main	Hip Height		Yearling hip height	Hip Height
Yearling Main	Hip Height Date		Yearling hip height date	Hip Height Date
Yearling Main	Yearling Date	Always	Yearling weight date	Yearling Weight
Yearling Main	Yearling Weight	Always	Yearling weight	Yearling Date
Yearling Main	Scrotum		Yearling scrotum measurement	Scrotal
Yearling Main	Scrotum Date		Yearling scrotum measurement date	Scrotal Date
Supplemental (Calf)	Breeder Number	Always	PIC uses the Breeder Number field on the calf for exports. If it is blank, the Breeder ID entered when the template was applied is used.	Member Number
Supplemental (Calf)	IBBA Status		Refer to Status and Disposal codes supplied by the Association.	Calf Status
Supplemental (Calf)	Location		Pasture ID of the animal (Location of the animal. The Location Wizard in Cow Sense should be used to maintain this field) (Defaults to 1 at the Association if not provided)	Pasture ID

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Supplemental (Calf)	Premises ID		Premises ID of where the animal is located. (Defaults to member number at the Association if not provided)	Premises ID
Supplemental (Calf)	Sheath/Navel Score		Sheath or Navel Score (1-5) Sheath Score (Bull) 1 = Excessively clean, Angus-like. 2 = Optimum; Brahman influence indicated, but no excess leather in navel area. 3 = Acceptable; leather in navel slightly in excess of desirable amounts. 4 = Marginal; excessive loose leather in navel area, slightly pendulous sheath. 5 = Unacceptable; extremely pendulous sheath. Also includes all bulls with large prepucial openings. Navel Score (Cow) 1 = Excessively clean, Angus-like. 2 = Optimum; Brahman influence indicated, but no excess leather in navel area. 3 = Acceptable; leather in navel slightly more than desired. Leather may run length of underline. 4 = Marginal; excessive leather in both navel area and complete underline. 5 = Unacceptable; pendulous nacel flap, lather in navel and underline in excess of desirable amounts.	Calf Sheath/Navel Score
Supplemental (Calf)	Temper Score		Temper Score (1-6): 1 = Mild Disposition 2 = Quieter Than Average 3 = Normal 4 = Jumpy 5 = Aggressive 6 = Extremely Aggressive	Calf Temper Score
Supplemental (Calf)	Year Contemp Group		Yearling contemporary group	Year Cont Group
Supplemental (Calf)	Year Feed Code		Yearling Feed Code (1-7) 1 = Pasture/Roughage 2 = Pasture/Roughage with supplement 3 = Dry lot fed, low energy ration 4 = Dry lot fed, high energy ration 5 = Fitted 6 = Bull Test 7 = Other	Year Feed Code

TABLE 4: ULTRASOUND FILE: ENTER DATA CALVES

Entry Form	Cow Sense Field(s)	Required	Description/Use	Assoc Field Name
Yearling Main	Registration	Always	Calf's registration number	Registration
Yearling Main	Sex	Always	Calf sex (Enter one of the following) B = Bull H = Heifer S = Steer	Sex
Carcass (Calf)	Ultrasound Date		Ultrasound date	Ultrasound date
Carcass (Calf)	Ultrasound Weight		Ultrasound weight	Ultrasound weight
Carcass (Calf)	Ultrasound REA		Ultrasound ribeye area	Ultrasound ribeye area
Carcass (Calf)	Ultrasound IMF		Ultrasound % IMF	Ultrasound % IMF
Carcass (Calf)	Ultrasound Rib Fat		Ultrasound fat thickness	Ultrasound fat thickness
Carcass (Calf)	Ultrasound Rump Fat		Ultrasound rump fat	Ultrasound rump fat
Yearling Main	Scrotum		Yearling scrotum measurement	Scrotal
Yearling Main	Scrotum Date		Yearling scrotum measurement date	Scrotal Date
Supplemental (Calf)	Breeder Number	Always	PIC uses the Breeder Number field on the calf for exports. If it is blank, the Breeder ID entered when the template was applied is used.	Member Number
Supplemental (Calf)	Location		Pasture ID of the animal (Location of the animal. The Location Wizard in Cow Sense should be used to maintain this field) (Defaults to 1 at the Association if not provided)	Pasture ID

Supplemental (Calf)	Premises ID		Premises ID of where the animal is located. (Defaults to member number at the Association if not provided)	Premises ID
Supplemental (Calf)	Year Contemp Group		Yearling contemporary group	Year Cont Group
Supplemental (Calf)	Year Feed Code		Yearling Feed Code (1-7) 1 = Pasture/Roughage 2 = Pasture/Roughage with supplement 3 = Dry lot fed, low energy ration 4 = Dry lot fed, high energy ration 5 = Fitted 6 = Bull Test 7 = Other	Year Feed Code