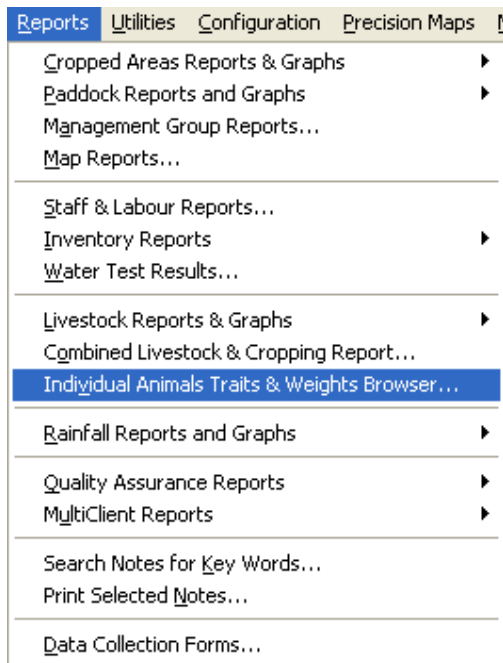


IAR Projected Weight Gain – How To...

The PAM IAR formula builder gives you the flexibility to manipulate your data to view the information that YOU want to view.

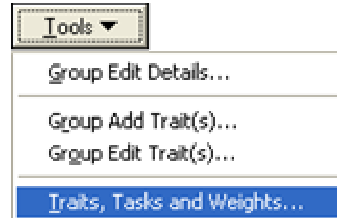
The following instruction set is how to obtain Projected Weight Gain information, that is, the weight of a certain beast in x amount of time.



From the menu bar of PAM, select:

Reports -> Individual Animal Traits & Weights Browser...

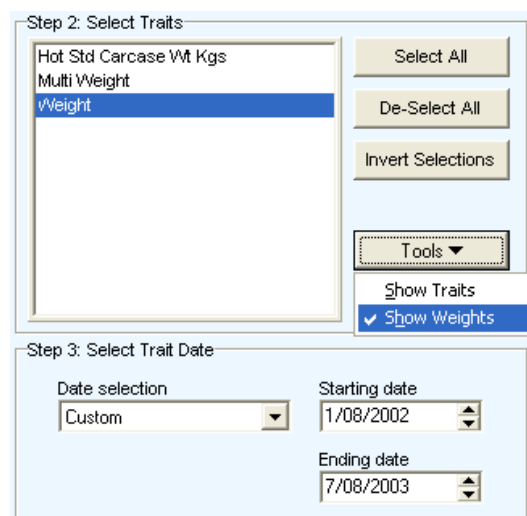
You can also get to the Weights and Traits browser via the IAR screen:



Once in the Trait Browser:

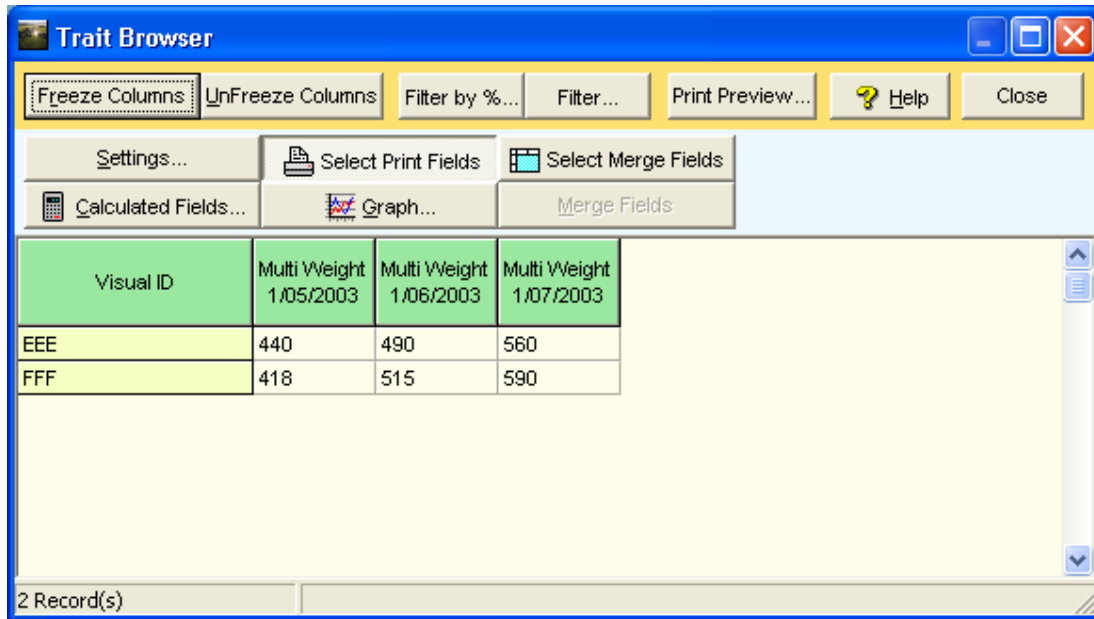


Show the animals you wish view the traits on and make your selection from the resulting list.



Select the weight trait that you wish to use to gain the Projected Weight Gain.


Click  View Data to enter the Trait Browser Screen:

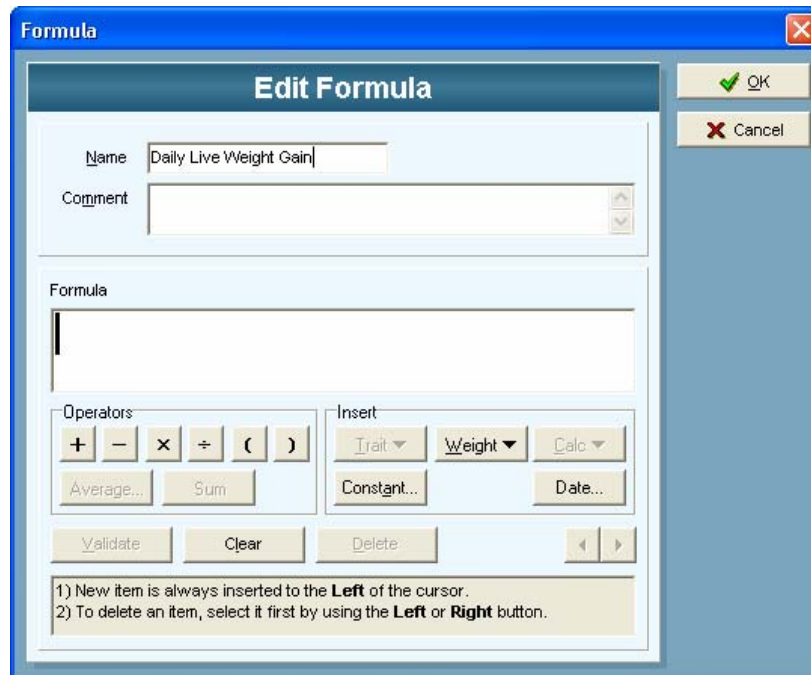


| Visual ID | Multi Weight 1/05/2003 | Multi Weight 1/06/2003 | Multi Weight 1/07/2003 |
|-----------|------------------------|------------------------|------------------------|
| EEE | 440 | 490 | 560 |
| FFF | 418 | 515 | 590 |

2 Record(s)

Here is where we build our Projected Weight Gain Formula, click  Calculated Fields...

In the Apply formula screen, we want to click  New... to start building the new formula.



Formula

Edit Formula

Name: Daily Live Weight Gain

Comment:

Formula:




Operators: +, -, x, /, (,)

Insert: Trait, Weight, Calc, Constant, Date

Buttons: Validate, Clear, Delete

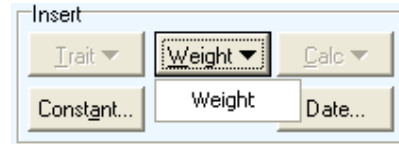
1) New item is always inserted to the **Left** of the cursor.
2) To delete an item, select it first by using the **Left** or **Right** button.

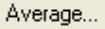
Now...enter the name you would like to give the formula and any memory-jogging information you would like into the Comment field.

For the sake of ease we will insert a needed bracket for the formula now, however, if the case arises, you can navigate the formula using the   navigate buttons to insert the bracket later. To insert the bracket that we need, click .

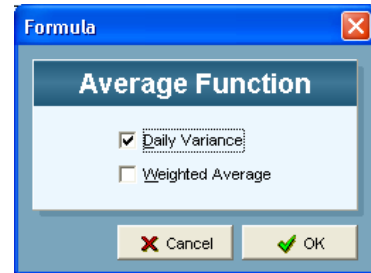
From here, we need to select the weight field that we will use to calculate the daily weight gain. Select:


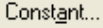

Weight -> 'Your Weight Trait'.




We now need to select the  button and from the resulting Average Function screen, select 'Daily Variance' and click OK.


From the resulting Average Function screen, select 'Daily Variance' and click OK.

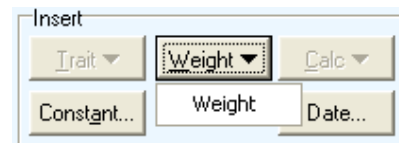


We are now back in the 'Edit Formula Screen'. Click , then  and enter '30' for the constant value, then click , this gives us the forecast time period in days.

Now click  to close that part of the equation in the formula.

OK... that part of the formula gives us the average weight gain for 30 days, now we need to see what it will be in another 30 days!

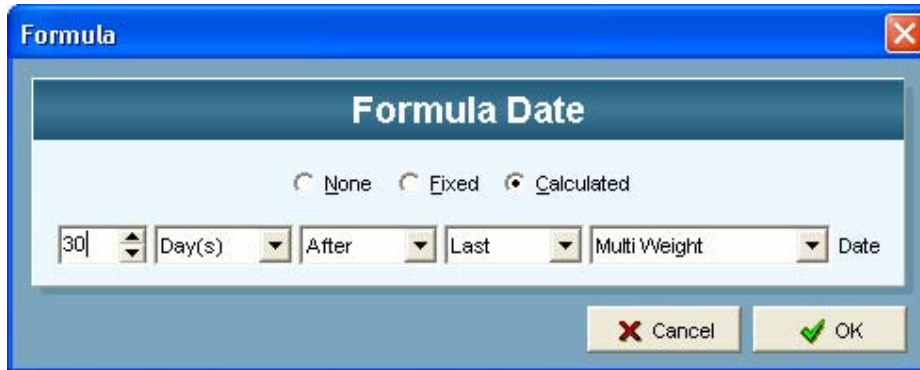
Click , then select the weight trait that select earlier (again).




Now we need to let PAM IAR know that the calculation that we are running will give a value at a particular date, in this case 30 days from the selected weight trait.

Select .

If you come back to this in the future, you will need to re-associate the fields to the formula, but this date range will still be 30 days from the last selected trait date.



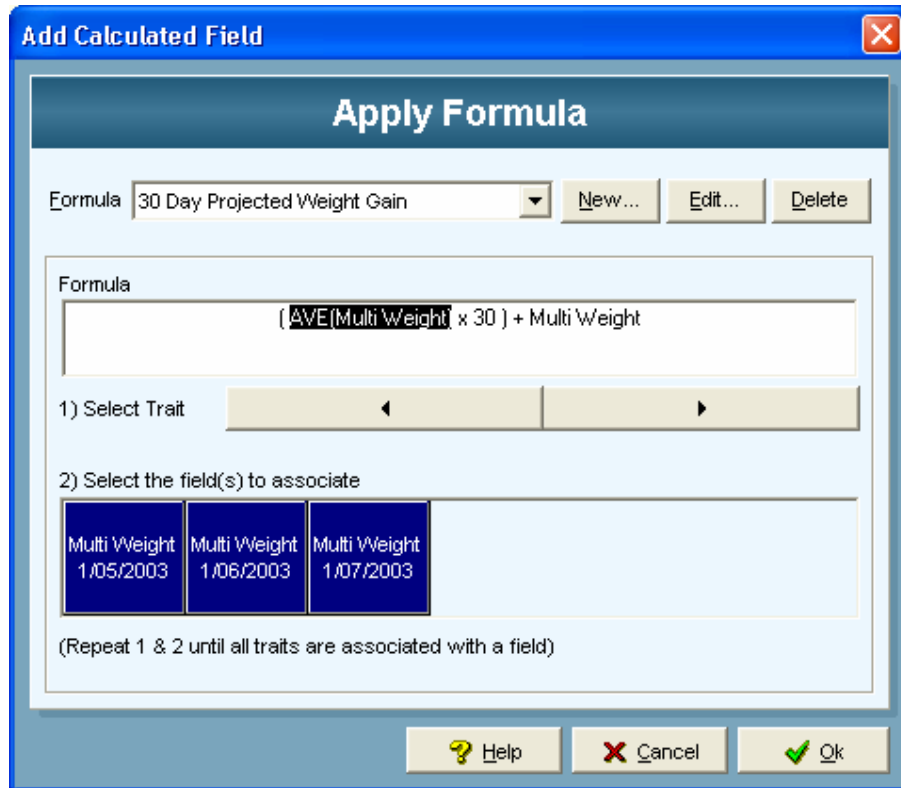
Click .

Click  again.

Now we need to associate each part of the equation with the fields that are available for the animals' weight traits.

Firstly, associate the average weights fields like this so that we can get the average daily weight gain between tow dates.

Note: You can navigate the parts of the formula using the



Add Calculated Field [Close]

Apply Formula

Formula: 30 Day Projected Weight Gain [New...] [Edit...] [Delete]

Formula
[AVE(Multi Weight x 30) + Multi Weight]

1) Select Trait [Navigation Buttons]

2) Select the field(s) to associate

| | | |
|---------------------------|---------------------------|---------------------------|
| Multi Weight 1/05/2003 | Multi Weight 1/06/2003 | Multi Weight 1/07/2003 |
|---------------------------|---------------------------|---------------------------|

(Repeat 1 & 2 until all traits are associated with a field)

[Help] [Cancel] [Ok]

Now we associate the last know weight of the animal (or the date that you want to calculate the projected weight gain from.

Add Calculated Field ✖

Apply Formula

Formula: 30 Day Projected Weight Gain ▼ New... Edit... Delete

Formula

(AVE(Multi Weight) x 30) + Multi Weight

1) Select Trait ◀ ▶

2) Select the field(s) to associate

| | | |
|---------------------------|---------------------------|---------------------------|
| Multi Weight 1/05/2003 | Multi Weight 1/06/2003 | Multi Weight 1/07/2003 |
|---------------------------|---------------------------|---------------------------|

(Repeat 1 & 2 until all traits are associated with a field)

? Help ✖ Cancel ✓ Ok