



Inbreeding Calculations

now available for **Simmentaler and Simbra Breeders**
in **Enhanced Mating Predictor**

The Mating Predictor available through Simmentaler and Simbra Breed Society website enquiry systems has been enhanced to calculate potential inbreeding levels for the progeny of the specified matings.

The enhancement includes four new features:

- Calculation of the inbreeding coefficients (plus details on the depth of pedigree available)
- Calculation of mid-parent accuracies (to augment the mid-parent EBVs)
- Full pedigree display of the animals used in the mating (on a single screen)
- Display of expected mid-parent EBVs and BreedObject indices for the progeny on a percentiles bar chart

Simbra Mating Predictor based on Sire

WISP-WILL PALLA

Entries: 1 of 1 are shown
Show EBV Acc

Sorted by: Animal Name, Sire

Selection Criteria: Dam Identifier(s): equals WC0621B or WC0610B or WC0647B, Dam Ownership Selection: My Active Females, Max number of Animals to Display 25,

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| | |
|----------------------------------|---|
| Sire Identifier(s): | WC074A <i>Enter one or more Sire identifiers separated by commas</i> |
| Dam Identifier(s): | WC0621B, WC0610B, WC0647B <i>Enter one or more Dam identifiers separated by commas Use wildcard if required (eg. ABC%)</i> |
| Dam Calving Year(s): | <i>Enter one or more calving years separated by commas or a range of years (eg. 1997-2000)</i> |
| Dam Ownership Selection: | <input type="radio"/> All <input checked="" type="radio"/> My Active Females |
| Max number of Animals to Display | <input checked="" type="radio"/> 25 <input type="radio"/> 50 <input type="radio"/> 75 <input type="radio"/> 100 |
| Display Results By: | <input checked="" type="radio"/> Sire <input type="radio"/> Dam |
| Sort Dams By: | Animal Name <input checked="" type="radio"/> Ascending <input type="radio"/> Descending |


Clear Search

Nominate the sire(s) and dam(s). In this example below, actual sire and dam identity have been used, but you can also nominate a partial dam identity (eg "WC%") and/or the year(s) the dams were born.

Note that if you are a member of the Society, you have the option to logon and get the herd based selection option of "Dam Ownership Selection" above.

This is extremely useful in looking at sections of your current cows or heifers in making mating selections. Results are presented for each sire in the list for all of the nominated dams.

Results for Sire: [WISP-WILL PALLA](#) with 3 Dams

| Name | Gest. Len. (days) | Birth Wt. (kg) | 200 Day Wt. (kg) | 400 Day Wt. (kg) | 600 Day Wt. (kg) | Mat. Cow Wt. (kg) | Milk (kg) | Scrotal Size (cm) | Carcase Wt. (kg) | Eye Muscle Area (sq.cm) | Rib Fat (mm) | Rump Fat (mm) | Retail Beef Yield (%) | IMF % |
|---|-------------------|----------------|------------------|------------------|------------------|-------------------|-----------|-------------------|------------------|-------------------------|--------------|---------------|-----------------------|-------|
| SIRE: WISP-WILL PALLA - WC074A  | - | +0.7 | +14 | +30 | +33 | - | - | -1.1 | - | +0.7 | -0.8 | -1.0 | +0.6 | -0.2 |
| DAM: WISP-WILL DIENA 2 - WC0621B | - | +0.4 | +16 | +28 | +39 | - | - | - | +24 | +1.2 | -1.2 | -1.5 | +0.9 | -0.1 |
| Expected Average Progeny Value | - | +0.6 | +15 | +29 | +36 | - | - | - | - | +1.0 | -1.0 | -1.3 | +0.8 | -0.2 |
| Inbreeding Coefficient: 0%. Min./(Avg.) generation: 2/(2.8) Pedigree display of this mating | | | | | | | | | | | | | | |
| DAM: WISP-WILL GABIE 3 - WC0647B | - | +2.1 | +17 | +20 | +30 | - | - | - | +18 | +1.6 | -0.4 | -0.5 | +0.9 | -0.2 |
| Expected Average Progeny Value | - | +1.4 | +16 | +25 | +32 | - | - | - | - | +1.1 | -0.6 | -0.8 | +0.8 | -0.2 |
| Inbreeding Coefficient: 13%. Min./(Avg.) generation: 3/(3.2) Pedigree display of this mating | | | | | | | | | | | | | | |
| DAM: WISP-WILL LIAN - WC0610B | - | +2.0 | +17 | +22 | +31 | - | - | - | +18 | +1.0 | -0.1 | -0.1 | +0.5 | -0.2 |
| Expected Average Progeny Value | - | +1.4 | +16 | +26 | +32 | - | - | - | - | +0.9 | -0.5 | -0.6 | +0.6 | -0.2 |
| Inbreeding Coefficient: 0%. Min./(Avg.) generation: 3/(3.6) Pedigree display of this mating | | | | | | | | | | | | | | |
| Breed Avg. EBVs for 2006 Born Calves | -0.2 | +1.0 | +12 | +18 | +24 | +24 | +2 | +0.2 | +14 | +0.2 | 0.0 | 0.0 | +0.1 | 0.0 |

Click on **“Inbreeding Coefficient”** link (see above) to get an explanation of the inbreeding coefficient and the significance of the minimum and average generations.

Click on **“Pedigree display of this mating”** link to get the four generation pedigree of both the sire and dam shown on the same web page. This also displays the mid-parent EBVs (and indices if available) in the percentiles chart:

