

ICBF Active Dairy Bull List – Spring 2011

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Guide to reading the Table.

- 1) **Bull Details;** Rank, AI Code, Name, Sire, Breed, Status in Herdbook , Holstein %.
- 2) **EBI Details;** EBI, Economic Breeding Index (€); Indicates expected profit/lactation for a bull's progeny compared to an average animal. **Rel%**; Reliability of EBI proof. This indicates the reliability of the proof. The higher this value, the more reliable the proof. **Proof;** The status of the Bull proof. **DP-IRL;** Daughter Proven based on milk recorded daughters in Ireland. **DP-INT;** Daughter Proven, based on foreign milk recorded daughters. **GS;** Genomically Selected.
- 3) **EBI Sub Indices; Milk, Fertility, Calving, Beef, Maintenance & Health;** Sub Indices of the overall EBI. Added together these give the overall EBI figure. The 'Maintenance' Sub-Index (Maint) is a new development in 2010. Positive values for a Bull indicates lower maintenance costs for his daughters.
- 4) **Key Profit Traits; M Kg** Predicted Difference (PD) for milk yield. Bulls with + values for milk yield will increase milk yield. Positive values for **F Kg** (Fat Kg), **P Kg** (Protein Kg), **F %** (Fat %), **P %** (Protein %) will also increase each of the constituent traits. **CI** = Calving Interval (Days). Bulls with negative values for CI will reduce calving interval. **SU** = Survival %. Bulls with positive values will increase survival (longevity/herdlife).
- 5) **Calving; CD%;** Calving Difficulty . Increasing % CD indicates increased incidence of difficult calvings e.g. % CD of 5% means that 5% of this Bulls calves will result in difficult calvings. **GL;** Gestation Length PD. Positive values indicates increased gestation length.
- 6) **Semen Details;** Price, availability and supplier details of each bull are also included. This ensures that only bulls with at least 2000 straws available are included on the list. **L** = 2000-4000 straws available. **M** = 4000 – 6000, **H** = >6000 straws available. These details are provided by each AI Company for their own Bulls.

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Introduction

The EBI details of the 75 bulls on the list is based on the December 2010 genetic evaluations computed by ICBF. The list contains Bulls whose semen is available and they themselves are;

1. Daughter proven, (Irish & international) where the EBI reliability is **>=35%**.
2. Genomically selected bulls, where the bulls have an EBI based on Irish genomic data, an EBI reliability of **>=35%** and a calving difficulty evaluation in the country of 1st origin of **>=50%**.

The 75 Bulls have breeding values for EBI and the 6 Sub Indices together with trait information on 9 Key Profit Traits. None of the Bulls on the list are carriers of genetic defects e.g CVM or BLAD.