

**FACTS ON SIRE EVALUATION PROCEDURES APPLIED FOR  
PRODUCTION TRAITS**

**COUNTRY: ARGENTINA**

|   |  |
|---|--|
| Breed(s)  | Argentine Holstein   |
| Trait(s) evaluated and unit(s) of measurement   | Milk (kg), fat (kg)  |
| Number of lactations  | 1  |
| Genetic parameters assumed  | $h^2$ : 0.22   |
| Criteria for inclusion and extension of records   | Sire identified records; Age at calving 22-45 mo.; Records < 90 days and records in progress excluded; Records 90 - 305 included without extension |
| Sire categories evaluated   | All sires  |
| Environmental effects considered by pre-adjustment  | None   |
| by evaluation model   | Herd*year*season, age and month of calving, group of sires   |
| Base for age adjustment (months)  | -  |
| Use of genetic groups and/or relationships  | Genetic groups and relationship between sires  |
| Method of evaluation  | ST BLUP SM   |
| Expression of proof   | PD (kg)  |
| Genetic (reference) base  | Fixed, average sire PD for first lactation cows calving in 1985  |
| Criteria for official publication of sire proofs  | 20 daughters in 5 herds  |
| Number of evaluations/publications per year   | 2  |
| Use of production index   | -  |
| Name, address and faxnumber of organization responsible for sire evaluation and publication | Sociedad Rural Argentina<br>Asociacion Criadores de Holando Argentino<br>Florida 460<br>Buenos Aires<br>Fax: 54 13258231                           |
| Key references on methodology applied   | Musi, D.O. 1988. Prueba Nacional de Progenie de toros Holando para producción de leche y grasa. Rev. Arg. de Prod. Anim. 8(suppl.): 120.           |

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|---|--------------------|------------|----------------|--------------|------------------|
| <b>Average of adjusted production records (kg) included in the most recent evaluation run, by daughters' year of calving (YC) and breed</b> |                    |            |                |              |                  |
| <b>YC</b>   | <b>Milk</b>        | <b>Fat</b> | <b>Protein</b> | <b>Fat %</b> | <b>Protein %</b> |
| <b>Breed:</b>   | Argentine Holstein |            |                |              |                  |
| 1980  | 4832               | 160        |                |              |                  |
| 1981  | 4986               | 167        |                |              |                  |
| 1982  | 5078               | 168        |                |              |                  |
| 1983  | 4953               | 163        |                |              |                  |
| 1984  | 4817               | 160        |                |              |                  |
| 1985  | 5253               | 174        |                |              |                  |
| 1986  | 5522               | 183        |                |              |                  |
| 1987  | 5582               | 187        |                |              |                  |
| 1988  | 5584               | 188        |                |              |                  |
| 1989  | 5714               | 195        |                |              |                  |
| 1990  | 5705               | 196        |                |              |                  |