

<b>COUNTRY'S NAME</b>	<b>ARGENTINA</b>
<b>Production traits</b>	<b>Milk and fat</b>
<b>Breed</b>	Holstein (Holando Argentino)
<b>Trait definition and unit of measurement</b>	Milk yield (kg), fat yield (kg), fat percentage (%)
<b>Criteria for inclusion &amp; extension of records</b>	Sire identified (55%) and non-identified records are included; Age at calving 18-200 months; Records < 240 days and records in progress excluded, Records 240 – 305 days included without extension.
<b>Time period for data inclusion</b>	Lactations completed since 1988 (records). Birth year 1940 and later for pedigree.
<b>Sire categories</b>	All sires
<b>Number of lactations included in the evaluation</b>	10 lactations, equal weight.
<b>Environmental effects: Pre-adjustment</b>	None
<b>Base for age pre-adjustment</b>	
<b>Method (model) of genetic evaluation</b>	ST – R – BLUP – AM
<b>Environmental effects in the genetic evaluation model</b>	Fixed: Herd-year-season, month of calving, lactation number-cow age, group of sires and dams Random: Animal
<b>Use of genetic groups</b>	Genetic group based on country of origin, sex (5 male & 5 female categories) and birth year
<b>Genetic parameters in the evaluation</b>	$h^2 = 0.25$ , $t = 0.40$
<b>System validation</b>	Checks on pedigree information, non-genetic effects and phenotypic production values (means and SD for all variables are examined).
<b>Expression of genetic evaluations</b>	PTA (kg) – PTA (%)
<b>Genetic (reference) base</b>	Stepwise (every 5 years), average PTA for cows born in 1990
<b>Next base change</b>	August 2000 when the base will be cows born in 1995
<b>Criteria for official publication of evaluations</b>	Minimum reliability for bulls = 50%
<b>Number of evaluations / publications per year</b>	2 (March and August)
<b>Use in production / total merit index</b>	
<b>Anticipated changes in the near future</b>	
<b>Key reference on methodology applied</b>	Casanova, D; Andere, C.I., Rodríguez, E.M. y Bergonzelli, P. 1999. Evaluación Genética de la Raza Holando Argentino. Resúmenes del V Congreso Holstein de las Américas. Santiago, Chile
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COUNTRY: Argentina												
Number of AI bulls (NB) tested, means (X), and standard deviations (SD) of proofs (kg, %) from most recent run, by bulls' year of birth (YB) and breed.												
YB	NB	Milk		Fat		Protein		Fat %		Protein %		
		X	SD	X	SD	X	SD	X	SD	X	SD	
Breed Holstein (Holando Argentino)												
1980	211	29.67	163.46	1.14	5.16			-0.005	0.025			
1981	248	41.48	176.75	1.52	5.63			-0.006	0.024			
1982	295	34.65	173.00	1.38	5.62			-0.004	0.023			
1983	288	31.86	163.91	1.25	5.38			-0.005	0.027			
1984	307	66.89	182.98	2.36	5.66			-0.006	0.032			
1985	288	79.77	189.62	2.78	6.04			-0.006	0.032			
1986	366	108.50	178.45	3.84	5.82			-0.005	0.031			
1987	311	122.63	176.13	4.40	5.72			-0.004	0.029			
1988	316	121.62	158.51	4.45	5.21			-0.002	0.028			
1989	274	116.50	169.24	4.30	5.63			-0.002	0.028			
1990	255	170.71	173.61	6.07	5.04			-0.003	0.030			
1991	176	178.03	155.18	6.18	5.08			-0.005	0.030			
1992	139	230.72	163.85	8.15	5.39			-0.003	0.024			
1993	45	226.90	141.32	8.19	4.85			0.000	0.025			

COUNTRY: Argentina												
Average of adjusted production records (kg, %) included in the most recent evaluation run, by daughters' year of calving (YC) and breed.												
YC	Milk		Fat		Protein		Fat %		Protein %			
	X	SD	X	SD	X	SD	X	SD	X	SD		
Breed Argentine Holstein												
1987	5070		169				3.33					
1988	5046		170				3.37					
1989	5051		171				3.38					
1990	5117		173				3.38					
1991	5175		173				3.35					
1992	5338		180				3.37					
1993	5405		182				3.38					
1994	5721		193				3.39					
1995	5794		197				3.41					
1996	5846		201				3.44					
1997	5866		201				3.44					