Catalogue of Stud Bulls
GALICIAN BLOND BREED
2015
Images courtesy of IGP TG
A Galician Blond strip steak
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</table>
INTRODUCTION

We are pleased to present here the 2014-2015 edition of the Stud Bull Catalogue for the Galician Blond breed (Rubia Galega). This catalogue has been designed as an essential and easy-to-use tool for technicians and breeders when it comes time for them to select the right bull to be used in any given case.

We are also thankful for the collaboration from the various ranches that contribute to this breed’s Genealogy Book, who have provided data that was used in order to produce this catalogue.

The large number of progeny that may be obtained from each stud bull, combined with the performance monitoring program carried out by the Association, generates a high volume of data that is essential for determining the genetic value of the bulls.

The genetic values derived from the 2013 performance monitoring data have been used to produce this catalogue. Specifically, these results were produced based upon 293,033 genealogies and 296,147 weights (at birth and at 210 days), and environmental factors were also taken into account. Our objective is to ensure maximum reliability for the genetic indexes through the use of the appropriate animal evaluation model (BLUP). The work was performed using a total of 234,301 animals (82,033 male and 152,268 female).

In relation to a ranch’s profitability, it is very important for the appropriate bull to be selected for each cow or heifer, with consideration of both the conformation and the genetics.

The genetic lines of both the sire and dam must be taken into account in order to prevent problems related to inbreeding. The productive and morphological characteristics of the bulls must also be evaluated in order to determine which one is best adapted to each female, in order to ensure the best production.

In this catalogue we therefore display the most relevant information for the bulls, including their genetic value, or in other words, their ability to transmit the characteristics that will provide improvement in their progeny. This edition is presented using three categories:

- Proven bulls
- Bulls with individual evaluation (progeny testing in progress)
- Bulls with individual growth evaluation

The overall objective has been to provide ranchers with bulls that will be useful for achieving their desired performances, and taking improvement of their herds into account.

Acknowledgements

- We would like to thank all of the ranchers who provide daily collaboration by supplying data on their herds for the Genealogy Book.

- We must also acknowledge the various government institutions that have trusted us (ACRUGA) to establish agreements used to pursue genetic improvement of the Galician Blond breed and to manage the breed’s Genealogy Book and Improvement Programme.

- We would like to thank the Animal Selection and Reproduction Centre at Xenética Fontao SA, where the Galician Blond breeding bulls and semen bank are maintained and where genotyping and relationship testing is carried out.

- Finally, we wish to thank the University of Zaragoza’s Research Results Transfer Office (OTRI in Spanish), where the genetic variability assessments are being carried out for the Galician Blond breed.
**GLOSSARY**

**Identification code:** The set of letters and numbers used to identify the animal in the breed’s Genealogy Book.

**Record:** The Record from the Genealogy Book in which the animal is entered.

- **Final Register (RD in Spanish):** Bulls from the Birth Register that are 14 months of age or older and with a morphological rating higher than 70 points.
- **Merit Register (RM in Spanish):** Bulls from the Final Register with a morphology rating higher than 80 points and with at least 10 progeny entered in the Final Register.

**Ear Tag:** An animal’s official individual identification number.

**AI Code:** A code number issued to each bull at the Animal Selection and Reproduction Centre for use with artificial insemination.

**Individual evaluation:**

- **Birth Weight:** The bull’s weight taken at the breeder’s operation, during the first 24 hours of life.
- **Weaning Weight:** The bull’s weight taken at the breeder’s operation, between 6 and 8 months of age and standardised to 210 days.
- **Weight at 12 months:** The bull’s weight at one year of life (at the Testing Centre)
- **ADG:** Average Daily Gain during the individual evaluation. A ratio showing the difference between the weight at the beginning and end of the testing period (8 and 14 months of age, respectively), also considering the duration of this period (180 days).
- **CI:** Conversion Index for feeds during the individual evaluation. Ratio between the concentrated feed consumed and the weight increase during this phase (8 and 14 months of age).
- **MR:** Morphological rating for the bull at 14 months (according to the breed prototype scale).

**Progeny testing:** assessment of the stud bulls based upon performance monitoring of their progeny at the various affiliated operations (using multiple environmental effects); in other words, based upon the birth weight and weaning weight of the offspring.

- **Birth Weight:** average weight of the bull’s male and female progeny. Total average.
- **Weaning Weight:** Weight of the bull’s male and female progeny between 6 and 8 months of age (with reference 210 days). Total average.
- **ADG_{210}:** Average daily gain for the bull’s male and female progeny at 210 days of life for the animal. Total average.
- **Genetic Index:** Inter-herd genetic valuation (different ranches with various environmental effects) for the characteristics with the highest economic impact and related to the objective of improving the Galician Blond breed: birth weight and weaning weight. Determines the genetic merit of the breeding animals as transmittable to the offspring, for each of these characteristics.
- **% Prec.:** percentage of precision or reliability for the prediction. Indicates the degree of invariability of the genetic value as new data is incorporated.
- **CI (ICO in Spanish):** A compound selection index produced from the results of the genetic valuation for the birth weight and weaning weight, giving the same importance to both characteristics but with a positive weighting given to the weaning weight and a negative weighting to the birth weight. This index allows us to provide a genetic rating of the animals for the various characteristics recorded.
**Calving Ease:** The interest in this characteristic comes from its relationship with problematic births, which can lead to significant expenses for the operation and a high negative impact on the viability of the dam and calf. This is a complex characteristic with a heritability that tends to be low.

Calving ease is rated on a scale of 1-4:

1) Solo birth: the cow gives birth alone without any type of assistance from the caretaker.

2) Light assistance: the cow requires the presence of a caretaker to assist with the birth due to an inappropriate presentation, position, or posture of the foetus.

3) Strong traction: dystocia, complicated, or difficult births that require the presence of more than one caretaker and/or ropes or mechanical elements to extract the foetus.

4) Caesarean: surgical intervention is required to extract the foetus.

The improvement seen in recent years in relation to calving ease has been achieved thanks to two lines of action:

- Study and monitoring of the culard characteristic
- Selection for a low birth weight
Proven stud bulls
**Proven stud bulls**

**Genealogy**

- Callardolli AC (TC-008878)
- Gemela (CG-0314)
- Pameia AG (CG-28422)
- Moreira (CV-008879)
- Queirán AC (CG-5097)
- Cachorra (CG-5985)

**Individual Evaluation**

**Weights in testing cage**

- **Birth**: 148 kg
- **7 m**: 345 kg
- **12 m**: 591 kg

<table>
<thead>
<tr>
<th>Morphological Rating</th>
<th>ADC</th>
<th>Conversion Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>80,00</td>
<td>1,494</td>
<td>5,32</td>
</tr>
</tbody>
</table>

- A bull that provides offspring with good growth characteristics and excellent results in conformation for beef.
- Recommended for industrial cross-breeding.
- Recommended for cows with good calving aptitude.

**Progeny testing | Evaluation performed using 659 offspring**

<table>
<thead>
<tr>
<th></th>
<th>Birth No.</th>
<th>Weight (kg)</th>
<th>7 months No.</th>
<th>Weight (kg)</th>
<th>ADG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Males</strong></td>
<td>321</td>
<td>46</td>
<td>80</td>
<td>317</td>
<td>1,288</td>
</tr>
<tr>
<td><strong>Females</strong></td>
<td>338</td>
<td>42</td>
<td>110</td>
<td>294</td>
<td>1,199</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>659</td>
<td>44</td>
<td>190</td>
<td>303</td>
<td>1,235</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Birth % Prec.</th>
<th>7 months Genetic Ind.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>98,7</td>
<td>109,69</td>
</tr>
</tbody>
</table>

**Calving Ease**

- **Solo birth**: 333 | 49,41%
- **Light assistance**: 283 | 41,99%
- **Strong traction**: 39 | 5,79%
- **Caesarean**: 19 | 2,82%

**ICO**: 105
Amadeo AG

Date of Birth: 14/11/2007 | Breeder: José Luis Fernández
Individual ID: CG-14834 | AI Code: 622115
Ear Tag: ESO21107369778

Genealogy

Individual Evaluation

Weights in testing cage

<table>
<thead>
<tr>
<th>Birth</th>
<th>47 kg</th>
<th>7 m</th>
<th>277 kg</th>
<th>12 m</th>
<th>641 kg</th>
</tr>
</thead>
</table>

Morphological Rating | ADCg | Conversion Index
80.00 | 1,287 | 7.07

Comments

- Provides animals with excellent skeletal development, tall at the withers and long.
- Recommended for medium and large-sized cows, with good calving aptitude.
- Appropriate for industrial cross-breeding.

Progeny testing | Evaluation performed using 160 offspring

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Males</td>
<td>81</td>
</tr>
<tr>
<td>Females</td>
<td>79</td>
</tr>
<tr>
<td>Total</td>
<td>160</td>
</tr>
</tbody>
</table>

Calving Ease

| Solo birth | 82 | 50.62% |
| Light assistance | 68 | 41.98% |
| Strong traction | 10 | 6.17% |
| Caesarean | 2 | 1.23% |

ICO

101
Amancio AG

Date of Birth: 23/01/2007 | Breeder: Amador Álvarez
Individual ID: BN-1940 | AI Code: 622111
Ear Tag: E5021106991258

Genealogy

Proven stud bulls

Individual Evaluation

Weights in testing cage

<table>
<thead>
<tr>
<th>Birth</th>
<th>40 kg</th>
<th>7 m</th>
<th>422 kg</th>
<th>12 m</th>
<th>625 kg</th>
</tr>
</thead>
</table>

Morphological Rating | 82,00
Conversion Index | 5,64

Comments

- A bull with offspring that show a good birth weight to weaning weight ratio and highly rated beef.

- Recommended for use with large cows with good calving aptitude. Not appropriate for heifers.

- Appropriate for re-breeding of heifers because of his good skeletal development.

- Also recommended for crossing with zebu cattle.

Progeny testing | Evaluation performed using 583 offspring

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Males</td>
<td>300</td>
</tr>
<tr>
<td>Females</td>
<td>283</td>
</tr>
<tr>
<td>Total</td>
<td>583</td>
</tr>
</tbody>
</table>

Calving Ease

Solo birth | 286 | 48,15% | Light assistance | 241 | 40,57% | Strong traction | 50 | 8,42% | Caesarean | 17 | 2,86% | 0% | 50% | 100% |

ICO | 114 |
Proven stud bulls

Camilo AG

Date of Birth: 05/10/2007 | Breeder: José Luis Villanueva
Individual ID: LU-5273 | AI Code: 622114
Ear Tag: ES071107363866

Genealogy

Individual Evaluation

Weights in testing cage

- A bull with good results in terms of calving ease and a good birth weight to weaning weight ratio in his offspring.
- Recommended for obtaining progeny with excellent conformation and muscular development for beef.
- Also recommended for industrial cross-breeding.

Progeny testing | Evaluation performed using 653 offspring

Calving Ease

- Solo birth 379 | 56.82%
- Light assistance 256 | 38.38%
- Strong traction 24 | 3.60%
- Caesarean 8 | 1.20%

ICO 119
**Campo AG**

**Date of Birth:** 04/08/2009  |  **Breeder:** Marina Rio  
**Individual ID:** NJ-7468  |  **AI Code:** 622121  
**Ear Tag:** ES011108900158

**Genealogy**

- **Calavaco II AG** (C-00896)  
  - **Nairuna CV-08888**  
    - **Cachorro II AG** (C-490197)  
      - **Venceja NJ-407**  
      - **Marelo IV AG** (C-253)  
      - **Preciosa NJ-20024**

**Campos AG**

**Individual Evaluation**

**Weights in testing cage**

<table>
<thead>
<tr>
<th>Age</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>43 kg</td>
</tr>
<tr>
<td>7 m</td>
<td>329 kg</td>
</tr>
<tr>
<td>12 m</td>
<td>597 kg</td>
</tr>
</tbody>
</table>

**Morphological Rating**

1. **83.25**

**ADG**

1. **1,536**

**Conversion Index**

1. **6.50**

**Comments**

- A bull that provides animals with excellent development at weaning and muscular development for beef.
- Recommended for medium-sized cows.

**Progeny testing | Evaluation performed using 109 offspring**

<table>
<thead>
<tr>
<th></th>
<th>Birth No.</th>
<th>Birth Weight (kg)</th>
<th>7 months No.</th>
<th>7 months Weight (kg)</th>
<th>ADG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Males</strong></td>
<td>54</td>
<td>44</td>
<td>23</td>
<td>324</td>
<td>1,332</td>
</tr>
<tr>
<td><strong>Females</strong></td>
<td>55</td>
<td>43</td>
<td>20</td>
<td>314</td>
<td>1,290</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>109</td>
<td>44</td>
<td>43</td>
<td>319</td>
<td>1,313</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Prec.</td>
<td>90.8</td>
<td>81.0</td>
</tr>
<tr>
<td>Genetic Ind.</td>
<td>100.59</td>
<td>124.99</td>
</tr>
</tbody>
</table>

**Calving Ease**

- Solo birth: 58 | 52.73%
- Light assistance: 40 | 36.36%
- Strong traction: 12 | 10.91%
- Caesarean: 0 | 0.00%

**ICO**

123
Genealogy

- Tejera I CG:6089/77
- Borca CG:789
- Romera III AG CG:976
- Lucera CG:946
- Abrasén CG:8609
- Paloma CG:4250
- Conde AG

Individual Evaluation

Weights in testing cage

<table>
<thead>
<tr>
<th>Age</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>46</td>
</tr>
<tr>
<td>7 m</td>
<td>309</td>
</tr>
<tr>
<td>12 m</td>
<td>690</td>
</tr>
</tbody>
</table>

Morphological Rating: 83.25
ADG: 1,921
Conversion Index: 4.38

Comments

- Data from the reared daughters indicates tall and long animals, with excellent stance and good mammary systems.
- Recommended for use with adult cows, with good development and high calving aptitude.
- Recommended for use in industrial cross-breeding and with zebu cattle.

Progeny testing | Evaluation performed using 1,936 offspring

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Males</td>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td></td>
<td>897</td>
<td>46</td>
</tr>
<tr>
<td>Females</td>
<td>1,039</td>
<td>42</td>
</tr>
<tr>
<td>Total</td>
<td>1,936</td>
<td>44</td>
</tr>
</tbody>
</table>

Calving Ease

<table>
<thead>
<tr>
<th>Method</th>
<th>No. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solo birth</td>
<td>1,104 (55.81%)</td>
</tr>
<tr>
<td>Light assistance</td>
<td>754 (38.12%)</td>
</tr>
<tr>
<td>Strong traction</td>
<td>93 (4.70%)</td>
</tr>
<tr>
<td>Caesarean</td>
<td>27 (1.37%)</td>
</tr>
</tbody>
</table>

Percentage: 99.5 | 97.8
Genetic Ind: 98.05 | 104.48
ICO: 103
Proven stud bulls

Cubillón AG

Date of Birth: 26/06/2006 | Breeder: Camilo Boudón
Individual ID: CV-5420 | AI Code: 622108
Ear Tag: ESO21106750306

Genealogy

Individual Evaluation

Weights in testing cage

<table>
<thead>
<tr>
<th>Age</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>40 kg</td>
</tr>
<tr>
<td>7 m</td>
<td>365 kg</td>
</tr>
<tr>
<td>12 m</td>
<td>627 kg</td>
</tr>
</tbody>
</table>

Morphological Rating: 84,25
ADG: 1,344
Conversion Index: 6,54

Comments

- A bull generating good calving ease in medium-sized cows.
- Not appropriate for heifers.
- An ideal bull for obtaining calves with good development at weaning and high conformation for beef.
- Also selected for use in industrial cross-breeding.

Progeny testing | Evaluation performed using 1,373 offspring

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Males</td>
<td>659</td>
<td>43</td>
</tr>
<tr>
<td>Females</td>
<td>714</td>
<td>41</td>
</tr>
<tr>
<td>Total</td>
<td>1,373</td>
<td>42</td>
</tr>
</tbody>
</table>

% Prec. |

Birth | 99,3 | 97,0
7 months | 108,28 | 114,87

Calving Ease

- Solo birth: 816 | 58,04%
- Light assistance: 531 | 37,77%
- Strong traction: 40 | 2,84%
- Caesarean: 19 | 1,35%

ICO

121

14
**Farruco AG**

**Date of Birth:** 15/06/2008  |  **Breeder:** Luis Pérez López  
**Individual ID:** NJ-6433  |  **AI Code:** 622117  
**Ear Tag:** ES081107674585

---

**Genealogy**

---

**Individual Evaluation**

**Weights in testing cage**

- Birth: 38 kg
- 7 m: 394 kg
- 12 m: 656 kg

**Morphological Rating**
- 80.00

**Conversion Index**
- 1.308

**ADG**
- 5.91

---

**Comments**

- A bull recommended for re-breeding of heifers. His offspring are characterised by excellent length and stance. Produces heifers with a good mammary system.
- A bull with good results in relation to calving ease.
- Recommended for heifers and small-sized cows.

---

**Progeny testing**  |  **Evaluation performed using 3,572 offspring**

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
</tr>
<tr>
<td>Males</td>
<td>1,760</td>
</tr>
<tr>
<td>Females</td>
<td>1,812</td>
</tr>
<tr>
<td>Total</td>
<td>3,572</td>
</tr>
</tbody>
</table>

**Calving Ease**

- Solo birth: 2,143 | 58.99%
- Light assistance: 1,352 | 37.21%
- Strong traction: 15 | 3.17%
- Caesarean: 23 | 0.63%

**ICO**
- 137
**Galo AG**

**Date of Birth:** 03/09/2008  |  **Breeder:** Manuel Iglesias  
**Individual ID:** TC-4399  |  **AI Code:** 622118  
**Ear Tag:** ES011107761013

**Genealogy**

- **Callardo II AG**: TC-508986  
- **Palmela CN-164**  
- **Linde AG**: LL-586182  
- **Marquesa TC-4044**  
- **Palmeiro AG**: CN-725  
- **Pulida TC-847**  

**Individual Evaluation**

**Weights in testing cage**

<table>
<thead>
<tr>
<th>Weight (kg)</th>
<th>0</th>
<th>200</th>
<th>400</th>
<th>600</th>
<th>800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Morphological Rating**: 83.00  
- **ADG**: 1.522  
- **Conversion Index**: 5.08

**Comments**

- A bull with excellent beef rating, ideal for production of calves with high beef yields.
- Recommended for adult cows of large size and with good calving aptitude.
- Not appropriate for heifers.
- Recommended for crossing with zebu cattle.

**Progeny testing** | Evaluation performed using 727 offspring

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No.</strong></td>
<td><strong>Weight (kg)</strong></td>
<td><strong>No.</strong></td>
</tr>
<tr>
<td>Males</td>
<td>362</td>
<td>44</td>
</tr>
<tr>
<td>Females</td>
<td>365</td>
<td>41</td>
</tr>
<tr>
<td>Total</td>
<td>727</td>
<td>42</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Prec.</td>
<td>98.7</td>
<td>95.9</td>
</tr>
<tr>
<td>Genetic Ind.</td>
<td>105.40</td>
<td>116.45</td>
</tr>
</tbody>
</table>

**Calving Ease**

- Solo birth: 410 (55.03%)  
- Light assistance: 284 (38.12%)  
- Strong traction: 43 (5.77%)  
- Caesarean: 8 (1.07%)

**ICO**

120
Proven stud bulls

Date of Birth: 12/10/2000  |  Breeder: José M. Rodríguez
Individual ID: CG-7422  |  AI Code: 622079
Ear Tag: E5031103499738

Genealogy

Romero III AG
CG-4728

Progeny testing | Evaluation performed using 303 offspring

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
</tr>
<tr>
<td>Males</td>
<td>102</td>
</tr>
<tr>
<td>Females</td>
<td>201</td>
</tr>
<tr>
<td>Total</td>
<td>303</td>
</tr>
</tbody>
</table>

Calving Ease

- Solo birth 232 | 77,08%
- Light assistance 46 | 15,28%
- Strong traction 11 | 3,65%
- Caesarean 12 | 3,99%

 Comments

- Recommended for use with large cows with good calving aptitude. Not appropriate for heifers.
- Indicated for re-breeding of heifers.
- Recommended for industrial cross-breeding.

Morphological Rating

ADC<sub>g</sub> Conversion Index

86.75  1,801  4.83
Manteigo AG

Date of Birth: 01/12/2004 | Breeder: Vicente González
Individual ID: CG-11576 | AI Code: 622102
Ear Tag: ES071105994109

Genealogy

Individual Evaluation

Weights in testing cage

Birth | 49 kg
7 m | 388 kg
12 m | 718 kg

<table>
<thead>
<tr>
<th>Morphological Rating</th>
<th>ADCW</th>
<th>Conversion Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>80,00</td>
<td>1,658</td>
<td>5,47</td>
</tr>
</tbody>
</table>

Comments

- A bull indicated for re-breeding heifers. His offspring are notable for their excellent size and length. His daughters are characterised by their good mammary systems.
- Good birth weight to weaning weight ratio.
- Recommended for medium-sized cows.
- Recommended for industrial cross-breeding.

Progeny testing | Evaluation performed using 2,668 offspring

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Males</td>
<td>1,251</td>
</tr>
<tr>
<td>Females</td>
<td>1,417</td>
</tr>
<tr>
<td>Total</td>
<td>2,668</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>% Prec.</th>
<th>Genetic Ind.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>7 months</td>
</tr>
<tr>
<td>99,6</td>
<td>97,9</td>
</tr>
<tr>
<td>97,54</td>
<td>107,08</td>
</tr>
</tbody>
</table>

Calving Ease

- Solo birth | 1,485 | 54,86%
- Light assistance | 1,056 | 39,01%
- Strong traction | 130 | 4,08%
- Caesarean | 36 | 1,33%

ICO | 105
Monciro AG

Date of Birth: 15/08/2006 | Breeder: José F. Lago
Individual ID: CV-5641 | AI Code: 622109
Ear Tag: ES011106790890

Genealogy

Proven stud bulls

Individual Evaluation

Weights in testing cage

<table>
<thead>
<tr>
<th>Birth</th>
<th>37 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 m</td>
<td>325 kg</td>
</tr>
<tr>
<td>12 m</td>
<td>575 kg</td>
</tr>
</tbody>
</table>

Morphological Rating | ADCG | Conversion Index
80,00 | 1,557 | 4,79

Comments

- Provides animals with good development at weaning and muscular development for beef.
- Indicated for re-breeding of heifers. A bull with excellent length, a characteristic that he transmits to his offspring.
- Recommended for medium-sized cows. A bull generating good calving ease, but not indicated for heifers.
- Also indicated for use in industrial cross-breeding.

Progeny testing | Evaluation performed using 126 offspring

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Males</td>
<td>64</td>
<td>44</td>
</tr>
<tr>
<td>Females</td>
<td>62</td>
<td>41</td>
</tr>
<tr>
<td>Total</td>
<td>126</td>
<td>43</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Prec.</td>
<td>95,5</td>
<td>91,8</td>
</tr>
<tr>
<td>Genetic Ind.</td>
<td>101,70</td>
<td>116,82</td>
</tr>
</tbody>
</table>

Calving Ease

<table>
<thead>
<tr>
<th></th>
<th>Solo birth</th>
<th>Light assistance</th>
<th>Strong traction</th>
<th>Caesarean</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>66</td>
<td>51,97%</td>
<td>52</td>
<td>40,94%</td>
</tr>
</tbody>
</table>

ICO 117
**Muño AG**

**Date of Birth:** 11/07/2005 | **Breeder:** Nieves López  
**Individual ID:** CG-12215 | **AI Code:** 622104  
**Ear Tag:** ES051106341159

### Genealogy

![Genealogy chart](chart)

### Individual Evaluation

#### Weights in testing cage

<table>
<thead>
<tr>
<th>Weight</th>
<th>0</th>
<th>200</th>
<th>400</th>
<th>600</th>
<th>800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>1</td>
<td>49</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 m</td>
<td></td>
<td>367</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 m</td>
<td></td>
<td>684</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Morphological Rating:** 82.00
- **ADG**: 1,606
- **Conversion Index:** 4.71

### Comments

- A bull that provides long, tall animals.
- Indicated for re-breeding of heifers.
- Recommended for large-sized cows with good calving aptitude. Not appropriate for heifers.
- Also suitable for cross-breeding with zebu cattle.

### Progeny testing | Evaluation performed using 1,121 offspring

<table>
<thead>
<tr>
<th>Males</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>535</td>
<td>46</td>
</tr>
<tr>
<td>Females</td>
<td></td>
</tr>
</tbody>
</table>

| Total | 44 | 433  | 303 | 1,235 |

<table>
<thead>
<tr>
<th>% Prec.</th>
<th>Genetic Ind.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>99.3</td>
</tr>
<tr>
<td>7 months</td>
<td>97.6</td>
</tr>
</tbody>
</table>

- **Calving Ease**
  - Solo birth: 584 | 51.27%
  - Light assistance: 459 | 40.30%
  - Strong traction: 72 | 6.32%
  - Caesarean: 24 | 2.11%

| ICO | 106 |
Proven stud bulls

Date of Birth: 25/10/2007 | Breeder: Manuel Alonso
Individual ID: CN-2257 | AI Code: 62216
Ear Tag: ES03I107377700

Genealogy

Individual Evaluation

Weights in testing cage

<table>
<thead>
<tr>
<th>Birth</th>
<th>48 kg</th>
<th>7 m</th>
<th>350 kg</th>
<th>12 m</th>
<th>667 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- His offspring have an excellent birth weight to weaning weight ratio and good conformation for beef.
- Recommended for use with large cows, with good calving aptitude, in order to obtain calves for slaughter.
- Also recommended for use in crossing with zebu cattle.

Progeny testing | Evaluation performed using 690 offspring

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Males</td>
<td></td>
</tr>
<tr>
<td>344</td>
<td>45</td>
</tr>
<tr>
<td>346</td>
<td>42</td>
</tr>
<tr>
<td>Total</td>
<td>690</td>
</tr>
</tbody>
</table>

% Prec. Birth: 98,6 | 7 months: 95,1
Genetic Ind.: 96,72 | 119,76

Calving Ease

Solo birth: 354 | 50,36%
Light assistance: 284 | 40,40%
Strong traction: 53 | 7,54%
Caesarean: 12 | 1,71%

ICO: 115
Proven stud bulls

Pastor IV AG

Date of Birth: 22/05/2010 | Breeder: Jesús Varela
Individual ID: PY-2748 | AI Code: BRG-123
Ear Tag: ESO5I09242826

Genealogy

Navarro AG (PY-381)
Diana CG-2121
Ramos AG LU-626
Tarqui PV-337
Moisés CG-9/32
Pastora PV-999
Pastor IV AG

Individual Evaluation

Weights in testing cage

Birth | 47 kg
7 m | 302 kg
12 m | 624 kg

Morphological Rating | ADCW | Conversion Index
80.00 | 1.516 | 6.00

Comments

- His progeny show good development at weaning and conformation for beef.
- Provides animals with excellent length and size.
- Indicated for breeding females with good calving aptitude. Not appropriate for heifers.

Progeny testing | Evaluation performed using 249 offspring

Birth | 7 months

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>No.</th>
<th>Weight (kg)</th>
<th>7 months</th>
<th>No.</th>
<th>Weight (kg)</th>
<th>ADG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Males</td>
<td></td>
<td>110</td>
<td>45</td>
<td></td>
<td>29</td>
<td>305</td>
<td>1,238</td>
</tr>
<tr>
<td>Females</td>
<td></td>
<td>139</td>
<td>41</td>
<td></td>
<td>45</td>
<td>310</td>
<td>1,280</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>249</td>
<td>43</td>
<td></td>
<td>74</td>
<td>308</td>
<td>1,263</td>
</tr>
</tbody>
</table>

% Prec 94.9 | 87.2
Genetic Ind. 101.02 | 106.03

Calving Ease

Solo birth 133 | 52.57%
Light assistance 103 | 40.71%
Strong traction 15 | 5.93%
Caesarean 2 | 0.79%

ICO 107
**Pavarotí AG**

**Date of Birth:** 16/07/1998 | **Breeder:** Ramiro Marey

**Individual ID:** CV-2371 | **AI Code:** 622067

**Ear Tag:** ESO3102202779

### Genealogy

- **Cucú II AG**
  - Ni-60849
- **Pasosora AG**
  - CV-608353
- **Fragavella A**
  - CC-682137
- **Xata AG**
  - CV-908272
- **Teixo AG**
  - CG-658497
- **Romera AG**
  - CV-809029
- **Pavarotí AG**

### Individual Evaluation

**Weights in testing cage**

- **Birth:** 34 kg
- **7 m:** 350 kg
- **12 m:** 557 kg

<table>
<thead>
<tr>
<th>Morphological Rating</th>
<th>ADCG</th>
<th>Conversion Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>80,00</td>
<td>1,176</td>
<td>5,74</td>
</tr>
</tbody>
</table>

### Comments

- A bull that provides animals with low birth weight and high calving ease indexes.
- Recommended for use with heifers and small-sized animals.

### Progeny testing | Evaluation performed using 8,632 offspring

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Weight (kg)</td>
<td>No.</td>
</tr>
<tr>
<td>Males</td>
<td>3,779</td>
<td>40</td>
</tr>
<tr>
<td>Females</td>
<td>4,853</td>
<td>38</td>
</tr>
<tr>
<td>Total</td>
<td>8,632</td>
<td>39</td>
</tr>
</tbody>
</table>

### Calving Ease

- **Solo birth:** 6,137 | 70,09%
- **Light assistance:** 2,118 | 24,19%
- **Strong traction:** 255 | 2,91%
- **Caesarean:** 246 | 2,81%

| ICO | 104 |

**Proven stud bulls**
**Genealogy**

- **Pavarotti AG**, CV-2371
- **Pitchona**, CG-6515
- **Pamelo AG**, CC-2840
- **Cuba CV-68981**

**Platero AG**, CG-8233
- **Marquesa CV-2114**
- **Pelegrín II AG**

---

**Individual Evaluation**

Weights in testing cage:

- **Birth**: 45 kg
- **7 m**: 334 kg
- **12 m**: 512 kg

**Morphological Rating**: 80.00

**ADG**: 1,201

**Conversion Index**: 7.00

---

**Comments**

- Recommended for use with heifers.
- A bull appropriate for producing calves of low birth weight and with good calving ease.
- Provides animals with good development at weaning.

---

**Progeny testing** | Evaluation performed using 393 offspring

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
</tr>
<tr>
<td><strong>Males</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Females</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

**% Prec**

- Birth: 96.6
- 7 months: 87.1

**Genetic Ind.**

- 115.58
- 90.76

**Calving Ease**

- Solo birth: 212 | 53.40%
- Light assistance: 163 | 41.06%
- Strong traction: 11 | 2.77%
- Caesarean: 11 | 2.77%

**ICO**

- 107
Quijano AG

Date of Birth: 20/02/2006 | Breeder: Juana Besteiro
Individual ID: CG-12939 | AI Code: 622107
Ear Tag: ES041106546880

Genealogy

Individual Evaluation

Weights in testing cage

Birth | 50 kg
7 m  | 419 kg
12 m | 650 kg

Morphological Rating | ADCg | Conversion Index
82,00  | 1,312 | 5,76

Comments

- This is a good choice for obtaining breeding with good maternal qualities.
- His progeny are very well formed animals with a good mammary system in his daughters.
- Indicated for large sized cows and with good calving ease. Not appropriate for heifers.
- Also recommended for industrial cross-breeding.

Progeny testing | Evaluation performed using 1,077 offspring

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Males</td>
<td>497</td>
</tr>
<tr>
<td>Females</td>
<td>580</td>
</tr>
<tr>
<td>Total</td>
<td>1,077</td>
</tr>
</tbody>
</table>

Calving Ease

<table>
<thead>
<tr>
<th>Method</th>
<th>No.</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solo birth</td>
<td>622</td>
<td>56,44%</td>
</tr>
<tr>
<td>Light assistance</td>
<td>414</td>
<td>37,57%</td>
</tr>
<tr>
<td>Strong traction</td>
<td>51</td>
<td>4,63%</td>
</tr>
<tr>
<td>Caesarean</td>
<td>15</td>
<td>1,36%</td>
</tr>
</tbody>
</table>

ICO 122

Proven stud bulls
Teixo VI AG

Date of Birth: 27/04/1996 | Breeder: Silvina Fernández
Individual ID: CG-3761 | AI Code: 622062
Ear Tag: ES071104763197

Genealogy

Individual Evaluation

Weights in testing cage

Birth | 60 kg
7 m | 298 kg
12 m | 533 kg

Morphological Rating | ADCG | Conversion Index
81,25 | 1,394 | 5,98

Comments

- This is a bull that provides large animals with good skeletal development, with good mammary systems in his daughters.

- Indicated for large sized cows and with good calving ease. Not appropriate for heifers.

- Recommended for industrial cross-breeding.

Progeny testing | Evaluation performed using 914 offspring

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Mâles</td>
<td>326</td>
<td>46</td>
</tr>
<tr>
<td>Femelles</td>
<td>588</td>
<td>43</td>
</tr>
<tr>
<td>Total</td>
<td>914</td>
<td>44</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Prec</td>
<td>99,3</td>
<td>97,9</td>
</tr>
<tr>
<td>Genetic Ind.</td>
<td>95,00</td>
<td>95,91</td>
</tr>
</tbody>
</table>

Calving Ease

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Solo birth</td>
<td>706</td>
</tr>
<tr>
<td>Light assistance</td>
<td>148</td>
</tr>
<tr>
<td>Strong traction</td>
<td>34</td>
</tr>
<tr>
<td>Caesarean</td>
<td>22</td>
</tr>
</tbody>
</table>

ICO 94
Date of Birth: 01/04/2000 | Breeder: J. Antonio Pereira
Individual ID: IR-158 | AI Code: 622075
Ear Tag: ES031103100832

Proven stud bulls

**Genealogy**

![Genealogy Diagram]

**Individual Evaluation**

**Weights in testing cage**

<table>
<thead>
<tr>
<th>Age</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>47 kg</td>
</tr>
<tr>
<td>7 m</td>
<td>380 kg</td>
</tr>
<tr>
<td>12 m</td>
<td>630 kg</td>
</tr>
</tbody>
</table>

![Weights Graph]

**Morphological Rating**

- 78,50

**ADG**

- 1,483

**Conversion Index**

- 5,88

**Comments**

- This is a bull with high semen fertility. Good quality.
- The data coming from his daughters demonstrates that they possess an excellent mammary system.
- Recommended for animals with good calving aptitude.

**Progeny testing | Evaluation performed using 1,520 offspring**

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>Males</td>
<td>612</td>
</tr>
<tr>
<td>Females</td>
<td>908</td>
</tr>
<tr>
<td>Total</td>
<td>1,520</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Birth</th>
<th>7 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Prec</td>
<td>Genetic Ind.</td>
</tr>
<tr>
<td>99,5</td>
<td>104,84</td>
</tr>
<tr>
<td>98,3</td>
<td>107,16</td>
</tr>
</tbody>
</table>

**Calving Ease**

- Solo birth: 1.184 | 77,89%
- Light assistance: 261 | 17,17%
- Strong traction: 48  | 3,16%
- Caesarean: 27    | 1,78%

![Calving Ease Chart]

ICO

112
OBJECTIVE: to improve production efficiency for the breed

Phases

1) Selection of candidate calves for the testing centre:

- Birth weight: This is determined by the rancher, using a scale or as an estimate, in the first 24 hours after birth.
- Weaning weight: This is determined by the field monitors, using a scale or a zoometric tape, at an age between 6 and 8 months (reference: 210 days).
- Calving ease: this is rated by the rancher on a scale of 1 (solo birth) to 4 (Caesarean required).
- Overall productivity of the breeding female: age at first birth, number of births and calves, interval between births, breeding ability, etc.

2) Individual evaluation at the Testing Centre: (Adai, O Corgo, Lugo):

- Average Daily Gain, post-weaning: difference between the weight at the beginning and end of the testing period (8 and 14 months of age) and considering the duration of this period (6 months).
- Conversion index: weight increase for the animal in relation to the concentrated feed consumed.
- Zoometric measurements: taken at 14 months of age:
  - eight at withers (greater than 128 cm)
  - scapula-ischia length
  - depth of chest
  - width of chest
  - length of hindquarters
  - width of hindquarters
  - thoracic perimeter (large and deep for selected animals, therefore with a higher thoracic capacity).
- Morphological rating at 14 months of age.

3) Progeny testing: monitoring of offspring at the ranching operation and abattoir:

3.1. Monitoring of progeny at the ranch: the offspring from AI and natural service bulls are subjected to performance monitoring at the ranch (phase 1)

3.2. Monitoring of progeny at the abattoir: the offspring from AI and natural service bulls are subjected to these yield controls at the abattoir:

  a) Age and weight at slaughter
  b) Weight of the cold carcass (determination of yield on the carcass)
  c) Conformation of the carcass, following the SEUROP system
  d) The fat distribution status of the carcass, on a scale of 1-5
Candidate calves for the testing centre

a) Offspring of a Mother of Future Stud (MFS in Spanish) and Father of Future Stud (PFS in Spanish)
b) Pre-weaning ADGie210 (at 210 days > the breed average)
c) Morphological rating at weaning of Good or Very Good, based on the animal’s muscular and skeletal development
d) Does not show any appreciable defects in morphology or stance and is within the standard for the breed
e) Complies with the health regulations in force
f) Has its relationships confirmed

Classification of breeders:

a) Breeding cow:
   - Females from Auxiliary Register (RA in Spanish) or Final Register (RD in Spanish)
   - Morphological rating ≥ 65 points

b) Mother of Future Stud (MFS in Spanish):
   - Females from RD or Merit Register (RM in Spanish)
   - Daughter of an RD or RM father and mother
   - CI ≥ 100
   - Morphological rating ≥ 70 points (Good)
   - ≥ 3 monitored births and ≥ 3 calves with birth weight
   - Interval between births < 500 days
   - The following reproductive characteristics must also be taken into account: Precocity (age at first birth), interval between births, calving ease, capacity of offspring (average daily gain at 210 days)

c) Natural Service Bull:
   - Males from RD
   - Morphological rating ≥ 70 points

d) Father of Future Stud (PFS in Spanish):
   - Males from RD or RM
   - Offspring of an RD or RM father and mother
   - CI ≥ 100
   - Morphological rating ≥ 80 points (Very Good)
   - ≥ 20 progeny with birth weight and weaning weight
   - The molecular information provided to us must also be taken into account, showing genes related to productive characteristics or with the quality of the carcass and/or the beef, or related to undesirable characteristics (the culard characteristic) or diseases of genetic origin.

e) Bull for Artificial Insemination:
   - Male offspring of MFS and PFS
   - RD or RM
   - Morphological rating ≥ 80 points
   - Positive individual evaluation at the Testing Centre
### Average birth weight (kg)

<table>
<thead>
<tr>
<th>Name</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfetez</td>
<td>43.95</td>
</tr>
<tr>
<td>Amadeo</td>
<td>42.02</td>
</tr>
<tr>
<td>Amancio</td>
<td>44.06</td>
</tr>
<tr>
<td>Camilo</td>
<td>42.51</td>
</tr>
<tr>
<td>Campo</td>
<td>43.50</td>
</tr>
<tr>
<td>Conde</td>
<td>43.85</td>
</tr>
<tr>
<td>Cubillón</td>
<td>41.96</td>
</tr>
<tr>
<td>Farruco</td>
<td>39.99</td>
</tr>
<tr>
<td>Galo</td>
<td>42.49</td>
</tr>
<tr>
<td>Grande</td>
<td>46.35</td>
</tr>
<tr>
<td>Manteingo</td>
<td>43.31</td>
</tr>
<tr>
<td>Monciró</td>
<td>43.91</td>
</tr>
<tr>
<td>Muiño</td>
<td>43.90</td>
</tr>
<tr>
<td>Nicolás</td>
<td>42.71</td>
</tr>
<tr>
<td>Pastor IV</td>
<td>38.88</td>
</tr>
<tr>
<td>Pavaroli</td>
<td>39.46</td>
</tr>
<tr>
<td>Pelayón II</td>
<td>41.85</td>
</tr>
<tr>
<td>Quijano</td>
<td>44.07</td>
</tr>
<tr>
<td>Teixo VI</td>
<td>42.81</td>
</tr>
<tr>
<td>Zambrón</td>
<td>42.95</td>
</tr>
<tr>
<td>Squeiro</td>
<td>42.95</td>
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### Average weaning weight (kg)

<table>
<thead>
<tr>
<th>Name</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfetez</td>
<td>303.32</td>
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<tr>
<td>Amadeo</td>
<td>289.79</td>
</tr>
<tr>
<td>Amancio</td>
<td>300.95</td>
</tr>
<tr>
<td>Camilo</td>
<td>297.20</td>
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<tr>
<td>Campo</td>
<td>319.19</td>
</tr>
<tr>
<td>Conde</td>
<td>302.53</td>
</tr>
<tr>
<td>Cubillón</td>
<td>306.50</td>
</tr>
<tr>
<td>Farruco</td>
<td>302.41</td>
</tr>
<tr>
<td>Galo</td>
<td>283.65</td>
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<tr>
<td>Grande</td>
<td>289.99</td>
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<td>Manteingo</td>
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<td>Monciró</td>
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<td>301.31</td>
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<td>320.04</td>
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<td>Pelayón II</td>
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<tr>
<td>Quijano</td>
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<td>Zambrón</td>
<td>283.99</td>
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<tr>
<td>Squeiro</td>
<td>308.86</td>
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</table>
Re-breeding

Calving ease for heifers

**Farruco AG**

<table>
<thead>
<tr>
<th>Method</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solo birth</td>
<td>314</td>
<td>55.28%</td>
</tr>
<tr>
<td>Light assistance</td>
<td>208</td>
<td>36.62%</td>
</tr>
<tr>
<td>Strong traction</td>
<td>32</td>
<td>5.64%</td>
</tr>
<tr>
<td>Caesarean</td>
<td>14</td>
<td>2.46%</td>
</tr>
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</table>

**Pavaroti AG**

<table>
<thead>
<tr>
<th>Method</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solo birth</td>
<td>1,839</td>
<td>53.60%</td>
</tr>
<tr>
<td>Light assistance</td>
<td>1,309</td>
<td>38.15%</td>
</tr>
<tr>
<td>Strong traction</td>
<td>169</td>
<td>4.93%</td>
</tr>
<tr>
<td>Caesarean</td>
<td>114</td>
<td>3.32%</td>
</tr>
</tbody>
</table>

**Pelegrín II**

<table>
<thead>
<tr>
<th>Method</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solo birth</td>
<td>58</td>
<td>48.74%</td>
</tr>
<tr>
<td>Light assistance</td>
<td>52</td>
<td>43.70%</td>
</tr>
<tr>
<td>Strong traction</td>
<td>6</td>
<td>5.04%</td>
</tr>
<tr>
<td>Caesarean</td>
<td>3</td>
<td>2.52%</td>
</tr>
</tbody>
</table>
Founding Register - Artificial Insemination bull Genealogies

Founding Register - Artificial Inseminations bulls
Stud bulls with individual growth evaluation
**Caldeiro AG**

**Date of Birth:** 22/03/2012  
**Breeder:** César González  
**Individual ID:** CV-8269  
**Ear Tag:** ES021109391858

**Genealogy**

- **Teixo IV AG**  
  CG-6667
- **Pastora**  
  CV-3750
- **Cervantes**  
  AG CV-7779
- **Corza**  
  CV-1571
- **Pokémon**  
  AG CV-628
- **Maja**  
  CV-6027
- **Caldeiro AG**

**Individual Evaluation**

**Weights in testing cage**

<table>
<thead>
<tr>
<th>Age</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>29 kg</td>
</tr>
<tr>
<td>7 m</td>
<td>264 kg</td>
</tr>
<tr>
<td>12 m</td>
<td>483 kg</td>
</tr>
</tbody>
</table>

**Morphological Rating**

- 83

**ADG_{fe}**

- 1,890

**ICO**

- 99

---

**Sequeiro AG**

**Date of Birth:** 22/11/2010  
**Breeder:** Antonio Prieto  
**Individual ID:** FS-5027  
**Ear Tag:** ES071108473203

**Genealogy**

- **Xato AG**  
  CV-4410
- **Reme**  
  CV-2880
- **Galliardo II**  
  AG TC-661839
- **Pitiusa**  
  FS-673
- **Aguila AG**  
  CV-3886
- **Pastora**  
  FS-454
- **Sequeiro AG**

**Individual Evaluation**

**Weights in testing cage**

<table>
<thead>
<tr>
<th>Age</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>59 kg</td>
</tr>
<tr>
<td>7 m</td>
<td>410 kg</td>
</tr>
<tr>
<td>12 m</td>
<td>625 kg</td>
</tr>
</tbody>
</table>

**Morphological Rating**

- 81.75

**ADG_{fe}**

- 1,327

**ICO**

- 120
Images courtesy of IGP TG
“Gallega Suprema” category ribeye cut from Galician Blond beef

Date of Birth: 21/01/2012 | Breeder: Alberto Quiroga
Individual ID: TC-6169
Ear Tag: E507109356294
Stud bulls with individual evaluation (progeny testing in progress)
Stud bulls with individual evaluation (progeny testing in prog.)

Grazán AG

Date of Birth: 20/06/2013 | Breeder: Alfredo Arias
Individual ID: D-4004
Ear Tag: ES05100950705

Genealogy

Arroyo AG
N-3210
Xata
CG-8953
Rufo
PP-333
Chica
D-315
Miño AG
CG-3532
Lucera
D-2408

Grazán AG

Individual Evaluation

Weights in testing cage

<table>
<thead>
<tr>
<th>Birth</th>
<th>41 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 m</td>
<td>345 kg</td>
</tr>
<tr>
<td>12 m</td>
<td>570 kg</td>
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</tbody>
</table>

Morphological Rating | 81.50
ADGe | 2.177
Conversion Index | 4.278
ICO | 110

Juanito AG

Date of Birth: 31/08/2013 | Breeder: José Luis Fernández
Individual ID: CG-21825
Ear Tag: ES031101083973

Genealogy

Pavaroti AG
CV-2371
Pichona
CG-5015
Palmeiro AG
CV-225
Matera
CG-7021
Platero AG
CG-8033
Gallardo
CG-1263

Juanito AG

Individual Evaluation

Weights in testing cage

<table>
<thead>
<tr>
<th>Birth</th>
<th>45 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 m</td>
<td>428 kg</td>
</tr>
<tr>
<td>12 m</td>
<td>658 kg</td>
</tr>
</tbody>
</table>

Morphological Rating | 82.00
ADGe | 1.666
Conversion Index | 5.74
ICO | 108
**Stud bulls with individual evaluation (progeny testing in prog.)**

**Galano Ag**

- **Date of Birth:** 03/01/2013
- **Breeder:** Ramón Alonso Fernández
- **Individual ID:** LN-15190
- **Ear Tag:** ES0610938365

**Genealogy**

- Quezán AG CC-5097
- Carrboro CC-6585
- Rulo III AG CV-3325
- Figuera LN-3288
- Alférez AG CC-4000
- Paloma LN-5042
- Galano AG

**Individual Evaluation**

- **Weights in testing cage**
  - Birth: 46 kg
  - 7 m: 346 kg
  - 12 m: 620 kg

**Morphological Rating**
- Birth: 83.00
- ADG
- Conversion Index: 5.82
- ICO: 114

---

**Xeitoso Ag**

- **Date of Birth:** 10/03/2013
- **Breeder:** Manuel Tallón
- **Individual ID:** LN-15646
- **Ear Tag:** ES091109944014

**Genealogy**

- Palmero AG CN-725
- Parrula NI-3050
- Rulo III AG CV-3326
- Linda LN-7813
- Farruco AG NI-6433
- Linda LN-7580
- Xeitoso AG

**Individual Evaluation**

- **Weights in testing cage**
  - Birth: 50 kg
  - 7 m: 423 kg
  - 12 m: 634 kg

**Morphological Rating**
- Birth: 82.50
- ADG
- Conversion Index: 5.95
- ICO: 123
COMPARISON OF BULLS WITH PROGENY TESTING IN PROGRESS

(Green bar: bulls most recommended for each characteristic)
**Galician Blond Beef Foreshank with Chestnuts**

**Ingredients (4 servings):**
- 1.000 g of Galician Blond beef foreshank
- 120 g of onions
- 100 g of leeks.
- 150 g of carrots
- 3 cloves of garlic
- 40 ml of white wine (Ribeiro D.O.)
- 20 ml of extra virgin olive oil
- 2 sprigs of parsley
- Salt
- Whole peppercorns
- Chestnuts, cooked and peeled

**Preparation:**

Allow the meat to marinate overnight with all of the vegetables and spices. Brown the meat in the olive oil and add the marinade, then allow to cook very slowly for 3 hours.

When the Galician Blond meat is almost ready (tender), add the chestnuts and allow to cook all together for a couple of minutes longer.

**Serving:**

Serve each portion of meat on a plate surrounded by chestnuts.
acruga

National Association of Galician Blond Cattle Breeders

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Galicia, Spain
Tel +34 982 226 068

www.acruga.com