THE CANARY ISLANDS BREEDS: PAST, PRESENT AND FUTURE

RAZAS AUTOCTONAS DE LAS ISLAS CANARIAS: PASADO, PRESENTE Y FUTURO

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Additional Keywords

SUMMARY
We describe the means developed by official and private institutions for the conservation of Canary Breeds. We evaluate the response to concrete actions comparing the evolution of their census with presented at the Warwick Conference (1989).

INTRODUCTION
The Canary Archipelago (seven islands and six islets) is situated in the Northwest of Africa. There are no excessive climatic variations in temperature and trade winds bring sufficient humidity on those islands which are sufficiently high.

The pluviometry is variable, thus favouring the establishment of diverse microclimates, to which animal and vegetable species, have adapted developing diverse authochtonous breeds.

Until the colonization towards the end of the XVth century, the archipelago was populated by people of different origins who exploited different animals, goats, sheep, pigs and dogs.
Other breeds, including those which formed the basis of the European agrarian economy, such as equine and bovine, were introduced later.

The America’s discovery converted the Islands into a stopping off point for all the transoceanic routes of that time permitting contact with diverse cultures and their autochthonous breeds.

The primitive autochtonous and imported animals which received foreign genetic inputs, developed into the ethnically different modern breeds.

The majority of the canarian domestic animals are of virtually unknown origin, although three distinct models may be admitted (Delgado et al., 1991):

MODELS OF PREHISTORIC EXTRACTION. In this model we found animals which were developed from

those existing on the islands before the conquest, probably proceeding from the African continent in the company of the aborigine populations which were incorporated into the blood of multiple foreign breeds after colonization. Examples are the Majorero, Presa Canaria, and the Garafiano Sheep dogs; the three types of Canarian Caprines, Ovines (Canarian and Palmeran) and the Canarian Black Pig.

**MODELS WITHOUT PREHISTORIC EXTRACTION.** These are breeds derived from those introduced after the Conquest, which maintain a series of homologies as the Canarian Spaniel and Canarian and Palmeran Cows.

**UNDIFFERENCIATED MODELS.** Certain animals introduced after the conquest, were integrated into the Canarian agriculture and have not significantly changed from its original type. Among them are hens, some lepidoptera, equines and camelidae.

Their situation has evolved in parallel to the rest of autocthonous breeds in other countries, and their effective have been reduced during the present century, principally due to the following causes:

The movement of select breeds whose production was increased by intensive farming methods. Alongside this phenomenon, mechanization has displaced the traction animal.

The decapitalization of the agrarian sector which was maintained until the fifties, with an enormous amount of emigration to the cities and abroad, making farming obsolete.

The implantation during the second half of the century towards, highly profitable vegetable cultivation for exports (bananas, tomatoes, flowers ornamental plants, etc.) which absorbed the greater part of the labour.

Lastly, the expansion of the tourist sector which has reconverted the majority of the agrarian population to the service sector, entailing competitiveness for the farming use of earth.

With regard to the actual situation, some populations are stable or in expansion, such as the case of goats belonging to the Canarian Caprine Group, the Canarian Breed of Sheep, the Spaniels, Presas, Majorero and Garafiano dogs, and more recently as to be in imminent danger of extinction, such as the Palmeran Sheep and Cow and the Black Canarian Pig.

For the fact of the Canary Isles constituted the last port of the Old World, it is significant that they were used as the only means of fresh food for the long journeys for live animals. It can be supposed that some of these animals disembarked at their destination and have influenced the constitution of the autocthonous American breeds, as can be seen by morphological observation of examples. As yet, neither the influence of the canarian or european breeds in the development of the New World populations have been sufficiently studied, despite the interesting nature of the question.

**AUTOCTHONOUS CANARIAN BREDS.**

**PALMERAN BOVINE BREED**

**GEOGRAPHICAL DISTRIBUTION.** This breed is located in the centre and north of the Isle of La Palma.

**ACTUAL SITUATION.** It can be observed in table I that the methods a-
plied haven't been sufficient and there continues to be a gradual decrease in the actual numbers of these animals comparing it with those of forties and fifties. There is a movement from the north to the centre of the Isle.

Until the present time, the conservation of this breed had been contributed by the Cabildo of La Palma with the maintenance of a herd and the Canary Departament of Agriculture with a reproduction program.

**Perspective of the Future.** To send different sires to Reproduction Centre of Badajoz (Junta de Extremadura).

To increase the semen and embryonic banks.

To establish a reproductive program for this breed including the formation of artificial insemination technicians.

The possibility of a differentiated complementary premium for maintenance of this breed is being discussed.

**Canarian Bovine Breed**

**Geographical Distribution.** The principal collection is found in the Isle of Gran Canaria, with another nucleus, which is continually increasing, in Tenerife, plus isolated examples in other islands.

**Actual Situation.** The census reflected in table II is an overestimate from the actually registred animals.

The Cabildo of Tenerife, the Canarian Association of Arrastre and the Consejería de Agricultura have contributed to maintain the breed.

The success of these methods is fundamentally due to the enthusiasm which has been awoke in the recuperation of these animals and the rescuing of the practise of the autochthonous and traditional sports.

**Perspective for the Future.** Increase in the bank of semen with the incorporation of new sires.

Introduction of the embryonic bank in the reproduction Centre in Badajoz Reproduccion programme with the formation of technicians.

**Table II. Censo de canarian bovines.**

<table>
<thead>
<tr>
<th></th>
<th>1.982</th>
<th>1.989</th>
<th>1.991</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>4.050</td>
<td>5.700*</td>
<td></td>
</tr>
<tr>
<td>machos</td>
<td>550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hembras</td>
<td>3.500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Cabrera y Roig, 1992

**Black Canarian Porcine Breed**

**Geographical Distribution.** The most stable nucleus is in the island of La Palma, although there are small nuclei in the rest of the islands, excepting El Hierro. In the last few years an important nucleus has been created in Tenerife which is outstanding.

**Actual Situation.** The significant increase show in table III is basically
due to the support of the Cabildos of Tenerife, La Gomera and Lanzarote coworking with the Cabildo of La Palma. The creation of these nuclei augurs a better future for this breed.

One of the principal dangers which faces this breed is that of the appearance of cross-breeds.

**PERSPECTIVE FOR THE FUTURE.**
Support of the breed in the different isles of the Archipielago.

Program reproduction to reduce consanguinity.

Study of aids to maintain animals.

Evolution of its products; meats, cured meats, etc., on a small scale as luxury articles.

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**Table III. Distribution of the black canarian pig.** (Distribución del cerdo negro canario)

<table>
<thead>
<tr>
<th>Year</th>
<th>1.982</th>
<th>1.989</th>
<th>1.991</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>36</td>
<td>37</td>
<td>82</td>
</tr>
<tr>
<td>machos</td>
<td>4</td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>hembras</td>
<td>32</td>
<td>31</td>
<td>70</td>
</tr>
</tbody>
</table>

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**Table IV. Distribution of the Palmeran Ovine.** (Distribución de la Oveja Palmera)

<table>
<thead>
<tr>
<th>Year</th>
<th>1.982</th>
<th>1.989</th>
<th>1.991</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>40</td>
<td>51</td>
<td>51</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>55</td>
<td>47</td>
<td></td>
</tr>
</tbody>
</table>

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**OVINE PALMERAN BREED**

**GEOGRAPHICAL DISTRIBUTION.** The meagre numbers are found on the island of La Palma, generally in high and humid zones.

**ACTUAL SITUATION.** Numbers of this breed are greatly reduced (table IV). They are to be found in three nuclei, two derived from assignments made by the Cabildo of La Palma, although one of these disappeared last years.

The strategy followed to date has meant that the few examples that there are have not disappeared, but this is insufficient.

**PERSPECTIVE FOR THE FUTURE.** Guarantee the sale of the younstock. 
Differeciated aid to maintenance the population.

Plan of conservation and reproduction supported by the Department of Animal Production (Consejería de Agricultura).

Support of the creation of a protective society.

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foreign breeds, among the most important measures foreseen the following are included:

Support for the creation of a Breeders Association which would be responsible for the Genealogical Book.

Involvement of the milk control nuclei and sanitary defence groups.

The giving of prestige to the shepp’s milk cheese by means of quality denominations, above all for cheese from El Hierro and Flor de Guia.

**CANARY ISLANDS BREEDS**

**Table V. Evolution of the census of the canarian ovine.** (Evolución del censo de Ovino Canario)

<table>
<thead>
<tr>
<th>Year</th>
<th>TOTAL</th>
<th>&lt; 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>1982</td>
<td>18,153</td>
<td>3,548</td>
</tr>
<tr>
<td>1989</td>
<td>27,783</td>
<td>6,053</td>
</tr>
<tr>
<td>1991</td>
<td>27,672</td>
<td>5,749</td>
</tr>
</tbody>
</table>

**CANARY CAPRINE GROUP (A.C.C.)**

**GEOGRAPHICAL DISTRIBUTION.** The Palmeran and Tenerifian types are bred in their isle of origin, whilst the Majorero is distributed throughout all the islands.

**ACTUAL SITUATION.** Despite a slight decrease, this sector is consolidated (table VI) and none of the three ethnic types forming the group is in any danger.

This is one of the most relevant species within the farming subsector. It has a Breeders Association which manages the Genealogical Books, milk control nuclei and sanitary defence groups and also promotes and supports its principal products. Additionally it is involved in the development of national investigational projects carried out by the Department of Animal Production of the Consejería de Agricultura y Pesca, in collaboration with diverse institutions, specially the Genetics Department of the Veterinary Faculty of University of Córdoba.

**PERPECTIVE FOR THE FUTURE.** This stock has enormous possibilities not only in the Canary Isles but also in the exportation of select stud animals to arid and semi-arid zones. The principal means are centred on the following points:

Denomination of the origin of the Canary Goats Cheese Support from the different associations.

Declaration of the Canary Isles as being free from the principal illnesses of this species, tuberculosis, brucelosis, paratuberculosis and C.A.E.

**Table VI. Evolution of the census of the canarian caprine group.** (Evolución del censo de la Agrupación Caprina Canaria).

<table>
<thead>
<tr>
<th>Year</th>
<th>TOTAL</th>
<th>&lt; 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>1982</td>
<td>145,326</td>
<td>122,358</td>
</tr>
<tr>
<td>1989</td>
<td>153,374</td>
<td>126,434</td>
</tr>
<tr>
<td>1991</td>
<td>152,851</td>
<td>125,721</td>
</tr>
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**MEASURES TO BE TAKEN FOR ALL THE CANARIAN AUTOCHTHONOUS BREEDS**

Promotion of the Associations for the improvement of production and

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also the conservation of the breeds which are in danger of extinction.

Support of competitions and fairs in which these animals take part.

Creation of a detailed census in which characteristics and management systems are included.

Differentiation of a E.E.C. bonus with a greater economic quantity contemplated in POSEICAN (R (CEE) nº 1601/92) (with the exception of pork farming).

Complementary indemnity for the obligatory slaughter during Sanitary Campaigns.

REFERENCES


Consejería de Agricultura y Pesca. 1991. Censos Agrarios

