

GENE BANKING IN EXTREMADURA



Animal Selection and
Reproduction Center

Centro de Selección
y Reproducción Animal



JUNTA DE EXTREMADURA

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- What is CENSYRA Badajoz?
 - What are our goals?
 - What are our activities?
 - Ex Situ Conservation
 - GENE BANKING
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CENSYRA

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1931. Livestock station

1972. National Animal Selection and Reproduction Center (CENSYRA)

Centro Nacional de Selección y Reproducción Animal

Lugo (+ Fonefiz, Orense)

Somío (Oviedo, + Bárcena de Cícero, Santander)

Colmenar Viejo (Madrid)

Movera (Zaragoza)

Murcia

Valdepeñas (Ciudad Real)

León (+Boñar)

Badajoz (+ Hinojosa del Duque, en Córdoba)



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The photograph shows a light-colored cow standing in a barn with a wooden roof and concrete walls. The cow is seen through a green metal gate, with a person's hand visible on the gate in the foreground.

The CENSYRA's objectives are conservation, promotion and improvement of livestock breeds.

CENSYRA participates in the **Breeding Programs**, through collaboration agreements with breeders associations.

- REPRODUCTION
- SELECTION
- CONSERVATION
- TRAINING / PROMOTION

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Seminal doses:
 Horse
 Donkey
 Cattle
 Sheep
 Goat
 Pig

Embryos:
 Cattle


REPRODUCTION

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Authorized reproduction centers (Reglamento 686/2020; RD 429/2022)

ES11001	ES11002	ES11003	ES11004	ES11005	ES11006
					
					

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Individual test station:
cattle, heifers, sheep, and pig

Wool analysis


SELECTION



THE GLOBAL STANDARD
FOR LIVESTOCK DATA


Section 3 - ICAR Guidelines for Beef Cattle
Production Recording

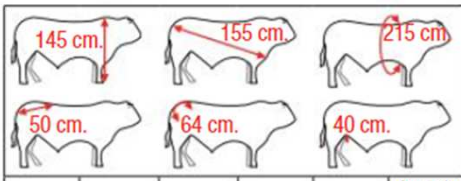
Section 3 – Beef Cattle
Version March, 2018



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- Average daily weight gain
- Conversion rate (consumption)
- Chest girth circumference
- Scrotal Circumference
- Linear scoring
- Ultrasound measurements






Peso	Peso nacimiento	Peso 120 días	Peso 210 días	Peso 365 días	Ganancia media diaria
664 kg	40 kg	192 kg	303 kg	490 kg	1893 g

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Ex situ in vivo (conservation groups):

- Donkey
- Cattle
- Sheep
- Goat
- Poultry

Ex situ in vitro (GENEBANKING)

- Semen doses
- Embryos

CONSERVATION

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Conservation groups:

- Minimal crossbreeding
- Population increase
- Increase in donors
- Refreshing the Gene bank collection

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CRSB / ETB
 365.514 seminal doses
 22 breeds, 397 donors
 680 embryos
 8 breeds, 85 donors

CRSO-C
 28.965 seminal doses
 9 breeds, 107 donors

Gene bank

- Maintaining genetic diversity
- Breed reconstitution
- Supporting in vivo conservation, introducing variation into existing populations

CRSP
 3.642 seminal doses
 2 breeds, 30 donors

CRSE
 3.423 seminal doses
 6 breeds, 75 donors

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CORE COLLECTION


WORK COLLECTION

HISTORIC COLLECTION






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TRAINING / PROMOTION

There are also collaboration agreements with educational centers, universities, and professional associations to carry out **training activities**.

In addition, **promotion activities** are carried out for schools and the general public. through visits, advertising in the media, reports, livestock auctions, or articles for the promotion and improvement of livestock breeds

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Subasta de 14 ejemplares de raza Blanca Cacerña

Desde el 13 al 30 de abril de 2021

Organiza: **90** años 1932-2022

Colabora: **Cacerña**

Más información en censyra@juntaex.es

Comunidad de Agricultura, Desarrollo Rural, Pesca y Alimentación

JUNTA DE EXTREMADURA

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