

SERRANA DE TERUEL

Serrana de Teruel (ST) is a dark or tabby-breed raised traditionally in Aragon, due to their great adaptability to harsh environments









SPECIFIC OBJECTIVES

- 1. Population, morphogenetic and zootechnic characterizations
- 2. Germplasm cryopreservation (semen and embryos)
- 3. Prospective study of the meat value chain (surveys)
- 4. Productive potential (specific bovine meat quality)



1. Morphogenetic and zootechnic characterizations

- 1.1. Census evolution from 40 to 200 animals in the past 8 years.
- 1.2. Straight profiled, eumetric and sublongilineus individuals.
- 1.3. Smaller size than other close breeds.
- 1.4. Good diversity values despite its low effective population size.





- These studies provided the basis for a genetic conservation programme.
- In 2007 ST was recognized officially as a breed.





4. Productive potential

- Carcass and meat quality of ST calves was studied (<u>7 yearlings</u>= slaughtering LW of 470kg, 12 months).
- Diversification alternatives for labelled beef market (<u>7 bulls and 7 steers</u>, slaughtering LW 700kg, 22 months).





4.1. Performance and carcass trait			
	YEARLING	BULL	STEER
Age at castration, months	-	9,1	9,8
Castration LW, kg	-	373	371
ADG at slaughter/pre-castr., kg	<mark>1,47</mark>	1,53	1,58
ADG castr-slaughtering, kg	-	<mark>1,27 a</mark>	1,01 b
Slaughtering LW, kg	471 c	720 a	661 b
Cold carcass weight, kg	277 c	426 a	365 b
Dorsal fat thickness (13v), mm	5,4	4,7	5,7
Carcass dressing percentage, %	58,9 α	59,1 a	55,3 b
Conformation (18p, SEUROP)	9,7 (U-) a	9,7 (U-) a	8,3 (R) b
Fatness degree (1-5)	<mark>2</mark> b	2+ b	3+ a

4.2. Meat quality

- Considering these studies, ST breed falls within the group of local Spanish bovine breed.

- Meat tenderness was higher than in other similar breeds.

- Castration improves tenderness and juiciness of the meat, by means of a larger incorporation of intramuscular fat.



BEEF TASTING

- * To promote ST and its products in its own area of origin.
- * 1.500 beef snacks, 750 participants, 150 surveys (tenderness, flavor and juiciness).
- * Very good acceptance by consumers (global note: 8,3 over 10).





CONCLUSION

Good performance and high quality products with no commercial constraints in the beef market have been obtained from ST breed



