

EUROPEAN RABBIT PRODUCTION

CURRENT DATA (2.002 – 2.003) AND EVOLUTION

MORE ABOUT SPAIN AND MALTA



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EXTRONA

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Barcelona - ESPAÑA

March- 2.003

World's rabbit meat production

2.002

(data J. Camps)

	Milions inhabit	M. Kg meat	Import / export	Cons. per capita
MALTA	0,4	3	-	7,50
ITALY	57,7	288	+ 10	5,16
SPAIN	40,5	125	- 5	2,96
FRANCE	59,5	115	+ 5	2,02
PORTUGAL	9,5	18	+ 1	2,00
EUROPE (39)	735	990	+ 20	1,37
CHINA	1.200	330	- 30	0,25
WORLD	6.100	1.900	0	0,31

MAJOR PROBLEMS IN THE BIGGER PRODUCERS OF RABBIT MEAT

- THE **SALES VALUE** OF RABBITS ALIVE PAYED TO THE PRODUCERS
= IN THE LAST 15 YEARS.

- THE **PRODUCTION COST** INCREASES DUE TO:
 - LABOUR COSTS.
 - SANITARY PROBLEMS.
 - ECOLOGY TRENDS.

■ **FUTUR SPECTATION**

- 1) TO MOVE FROM EUROPE TO SOUTHERN COUNTRIES.
 - 2) INCREASE CONSUMPTION IN WESTERN C. DUE THE **DIETHETIC VALUE** OF MEAT.
 - 3) INCREASE CONSUMPTION IN EMERGENT C. DUE THE **NEEDS OF QUALITY AND CHEAP PROTEIN.**
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CURRENT AVERAGE SITUATION.

SPAIN - 2.002 (40,5 M. inhabit.)

- Production 110 M. rabbits (120.000 Tons meat)
- Represents 4,3 % from total meat, at selling point.
- Farms: Industrial 30 %, Medium 50 %, and Rural 20 %.
- From 7- 8 does, per farm, till some thousands.
- Represents 10.000 centers of production.
- With 2,8 milions of does. (39 rabbits average / year).
- Estimated per does cage: from 30 till 70 rabbits / year.
- Feed consumption, + - 850.000 Tons (conversion 3,9)

PRODUCTION IN %, FOLLOWING “Autonomic Communities”.

The 5 bigger, in # of cages

■	Catalonia	24 %
■	Castilia – la Mancha	13 %
■	Valence	12 %
■	Aragon	10 %
■	Galizia	9 %
■	others 12	32 %

Spain vs Catalonia.

Rabbit meat - 2.002

(J. Camps)

	SPAIN	CATALONIA
Number of does	2,800.000	560.000
Doe production	39	40
Total production (000)	110.000	22.400
Meat from bunnies (Tons)	122.000	25.700
Meat from does (")	3.000	600
Import- export (")	- 5.000	+ 800
TOTAL (")	120.000	27.100
# Inhabitants	40,5	6,3
Per capita cons. Kg	2,960	4,300

Technical Results Report

Nanta 2.001

over 82.000 does in 103 farms

■	Number of does / farm	796
■	Over-occupation	125,5 %
■	Replacement / month (3,6 % death)	6,5 %
■	Positive palpation / A.I. or mating	81,6 %
■	Number of birth / A.I. or mating	74,4 %
■	Born alive / birth	8,9
■	Final weight Kg	2,002
■	Index global feed conversion	3,75
■	Rabbits sold / doe	46,4
■	Rabbits sold / maternity cage / year	59,3

Difference between Natural and Artificial Insemination

following "Nanta" report 2.001

	Natural mating	A.I.
Number of does	31.800	50.200
Number of does / farm	706	908
Positive palpation %	84,7	79,7
Birth / mating or A.I.	78,4	71,7
Born alive / birth	8,9	8,8
Rabbits sold / doe / year	49,1	44,3

PRESENT DATA IN SPAIN AND EUROPE

ACCORDING TO SUBJECT WITH THE CURRENT NORMS

■ GENETICS:

- **USE AT 100 % INDUSTRIAL HYBRIDS (> 1.000 DOES)**
- **2 LINES PRODUCTIVITY + 1 OF MEATY SELECTION**
- **SIZE LITTER = N° EGGS + VIABILITY + UTERUS CAPACITY.**
- **CLONATION AND TRANSFER (OVULES CRYOGENIZED)**
- **POLITECNIC UNIVERSITY OF VALENCIA.**
- **I.R.T.A. FROM CATALONIA.**
- **I.N.R.A. FROM FRANCE**
- **FOLLOWING EUROPEAN NORMS.**

■ **MANAGEMENT:**

- OPEN AIR --- ESTATIC VENTIL. --- FORCED VENT. .
- METALLIC CAGES GALVANIZED AT 100 %
- MANAGEMENT AND CONTROLS. FROM INDIVIDUAL TO GROUPS.
- A. I. 25 TO 50 %, (75 % IN BIG ONES), IN ITALY THE HIGHEST.
- THE MAJORITY OF SEMEN FROM COMERCIAL COMPANIES.
- BIOSTIMULATION vs PMSG (OR BOTH...)
- EXACT NICTAMERAL LIGHTING.
- IMPROVEMENT IN REEMPLACEMENT AND ESPECIFIC CAGES.
- OVER-OCUPATION - 120 TO 135 %
- OVER-REEMPLACEMENT - 120 TO 128 %

■ **NUTRITION:**

- COMPLET INDUSTRIAL FEED - 95 %
- USE OF 4 TO 5 DIF. FEEDS. (WHITE = WITHOUT DRUGS)
- GLOBAL FEED CONVERSION < 4

■ **PATHOLOGY:**

- PERCENTAGE OF LOSS, LIKE ANY OTHER ESPECIES.
- MINIMUM INDIVIDUAL VALUE, TO DECIDE ELIMINATION.
- RESPIRATORY SYNDROME.
- ENTEROCOLITIS EPIZOOTIC (1.997)
- VACCINES: PROFILAXIS MIXO, AND R.H.D.V. (1.988)
- COMPLEX LEGISLATION (CEE - 2377 - 90) (AND NATIONAL)

■ **SLAUGHTERING - CONSUMPTION:**

- 90 % IN INDUSTRIAL SLAUGHTER PLANTS.
- PRICE REGULATION BY WEEKLY “LONJA”.
- VARIED PRESENTATIONS (REFRIGERATED)
- TENDENCY TO BE BUYED IN SUPERS (2 TO 6 REGIST C.)
- MEAT CONSUMED MAJOR % AT HOMES.
- BIG DIFFERENCES INTER COMMUNITIES (5 Kg to 0,5)
- THE BEST PROMOTION ARE AS “DIETHETIC MEAT”
- WEIGHT DIFFERS FROM 1,1 TO 1,6 Kg BY COUNTRIES.

PRODUCTIVITY CHANGES

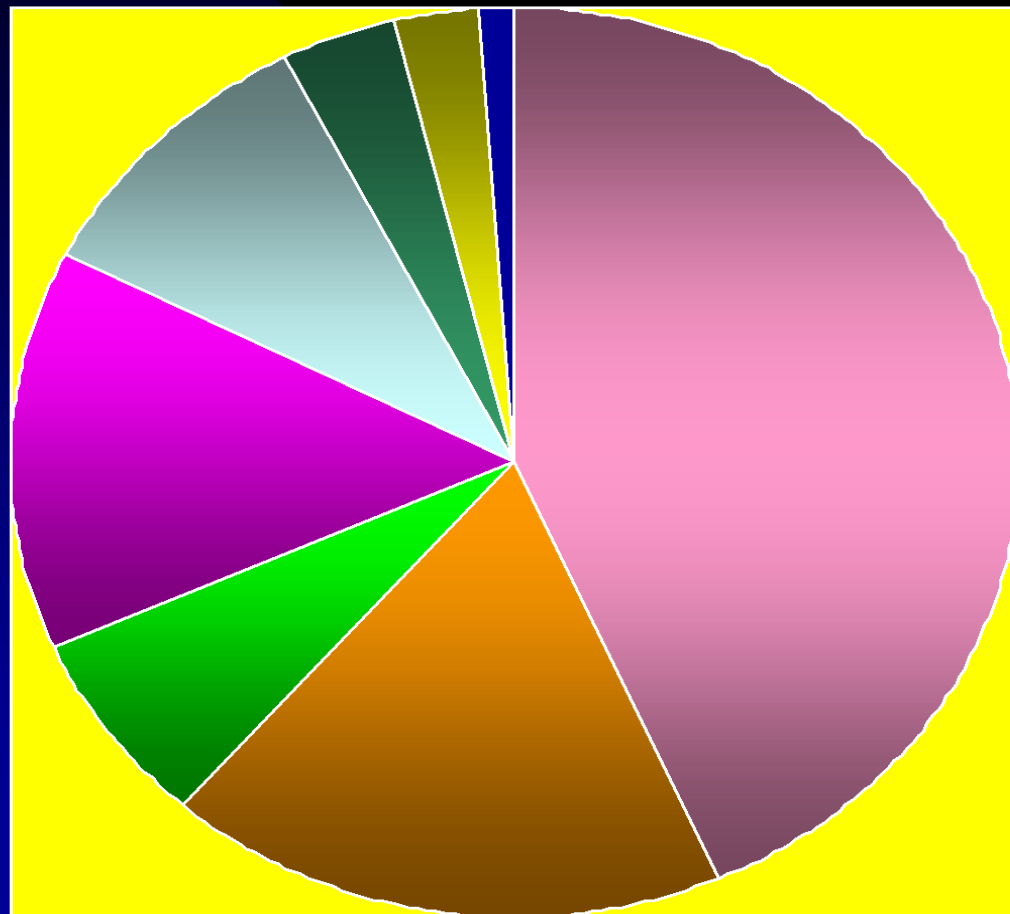
Spain -----1.976---- 2.002



■ RABBITS PER DOE / YEAR	25	40
■ % OF OCCUPATION	80	120
■ % OF REPLACEMENT	70	120
■ DAYS TO WEIGHT 2 Kg ALIVE	78	64
■ % CARCASE / ALIVE	52	58
■ CONVERSION INDEX	6	4
■ % FORAGE CONSUMPTION	40	0
■ % MORTALITY born to sales	40	19
■ MEAT CONSUMPTION PER CAPITA	1,7 Kg	3,0

ANIMAL PRODUCTION VALUE

SPAIN - 2.001



- PORC
- BROILERS
- POULTRY
- BEEF
- DAIRY
- SHEEP
- RABBIT
- OTHERS

- ***THE RABBIT MEAT CONSUMPTION IS INCREASING PROGRESSIVELY IN THE WORLD, AT INDUSTRIAL LEVEL, AS WELL AT RURAL LEVEL (BACKYARD).***
- ***IN SPAIN, THE YEAR 2.001 SAW A 10 % INCREASE IN THE CONSUMPTION OF RABBIT MEAT, IN COMPARISON WITH THE PREVIOUS TWO YEARS.***
- ***WE WISH THAT THIS REFERENCE OVER OUR SITUATION, WILL BE AN ESTIMULATION TO INICIATE NEW RABBIT FARMS, WITH PROFITABILITY, AND TO INCREASE THE “DIETHETIC MEAT” CONSUMPTION.***



■ ***THANKS FOR YOUR ATTENTION !!!!!***