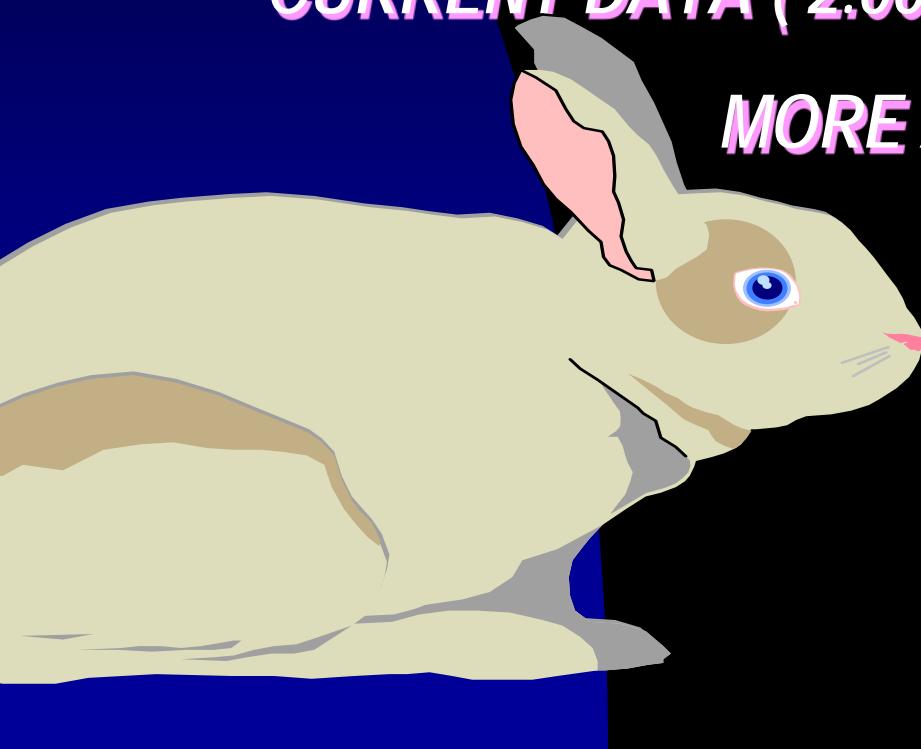


# EUROPEAN RABBIT PRODUCTION

*CURRENT DATA ( 2.002 - 2.003 ) AND EVOLUTION  
MORE ABOUT SPAIN AND MALTA*



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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 BIGER 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.**

# 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 millions 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

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-	<b>Catalonia</b>	<b>24 %</b>
-	<b>Castilia – la Mancha</b>	<b>13 %</b>
-	<b>Valence</b>	<b>12 %</b>
-	<b>Aragon</b>	<b>10 %</b>
-	<b>Galizia</b>	<b>9 %</b>
-	<b>others 12</b>	<b>32 %</b>

# 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
<hr/>		
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

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■ 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

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# 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 = Nº 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.
  - BIORRREGULATORS 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 BUYPED 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.

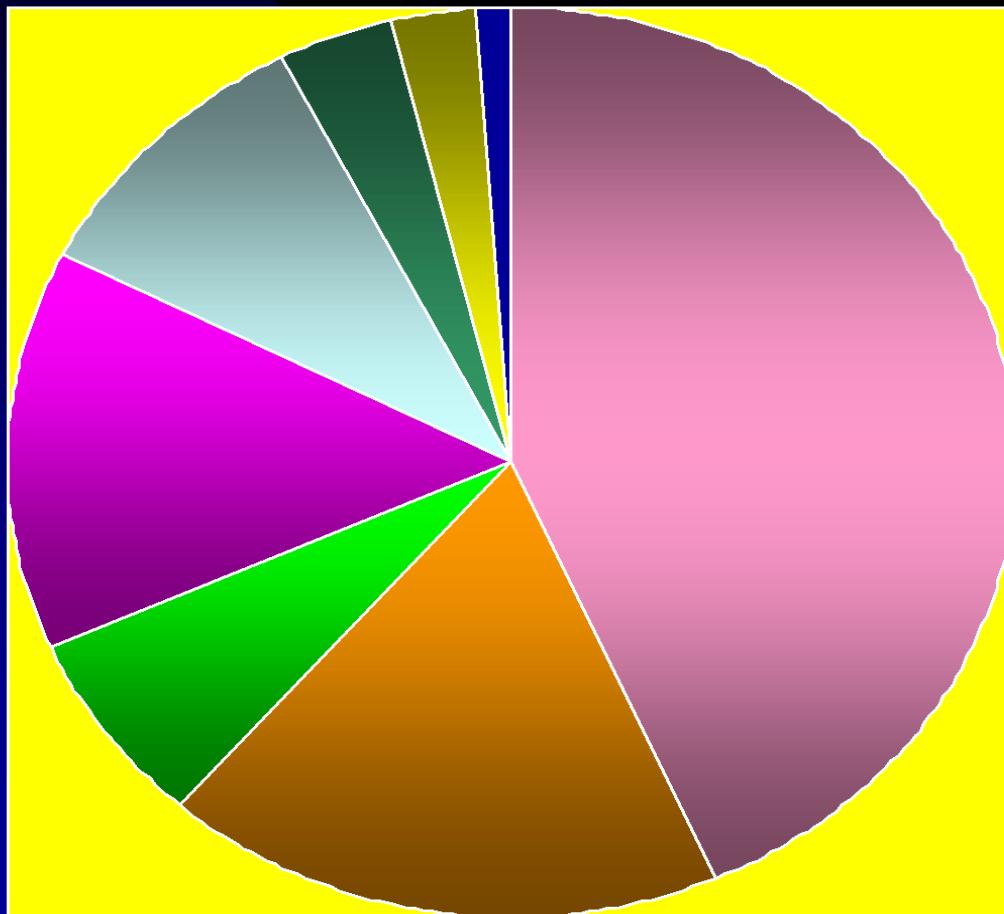
# PRODUCTIVITY CHANGES

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



- **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 INITIATE NEW RABBIT FARMS, WITH PROFITABILITY, AND TO INCREASE THE “DIETHETIC MEAT” CONSUMPTION.**



- **THANKS FOR YOUR ATTENTION !!!!!**