

AGRICULTURAL PRODUCTION OF URUGUAY



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September 2007**



SOUTH AMERICA & URUGUAY



URUGUAY AND THEIR STATES



URUGUAY

Population:
3.241.003 people

Surface:
176.215 Km²

NORTH CAROLINA

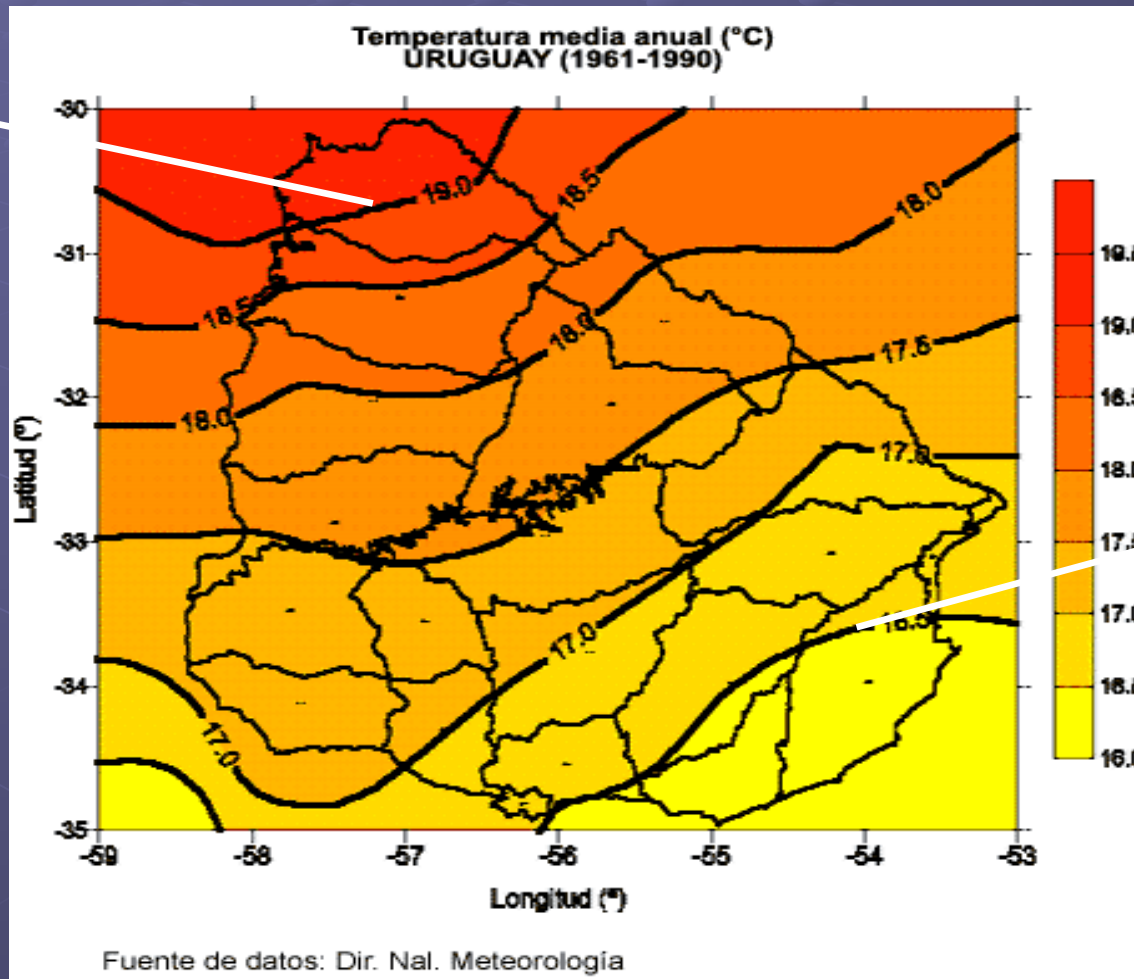
Population:
8.856.565 people

Surface:
139.509 km²

NATURAL RESOURCES: Climate

Annual average temperature

19 ° C

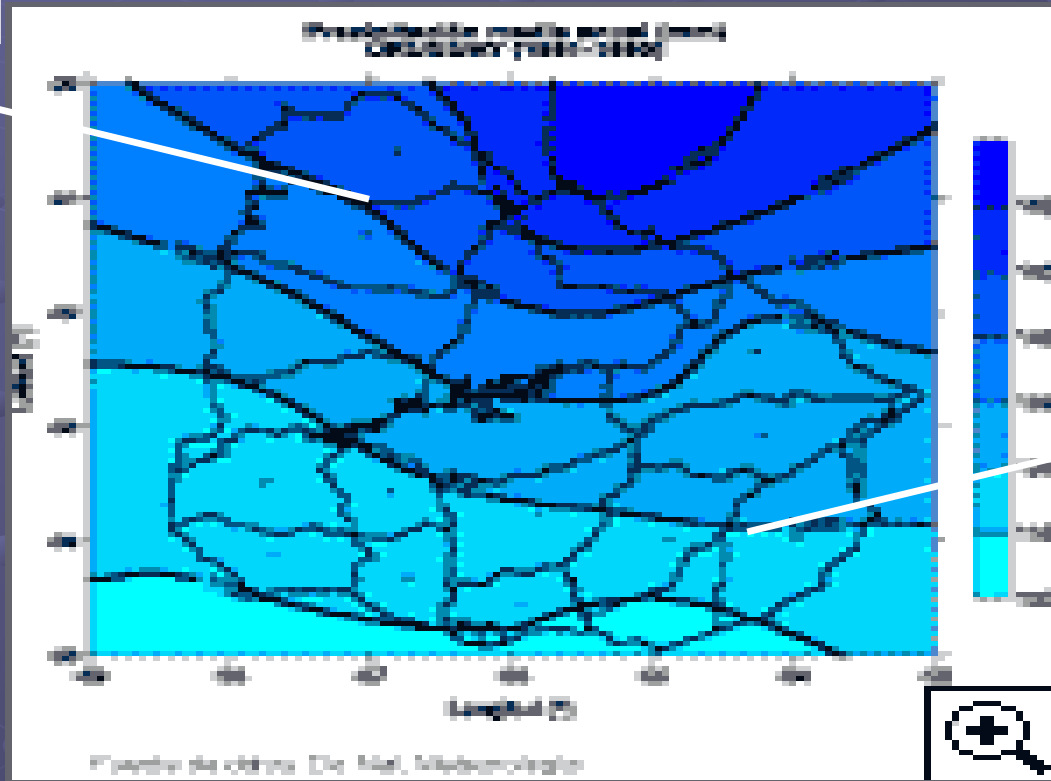


16,5° C

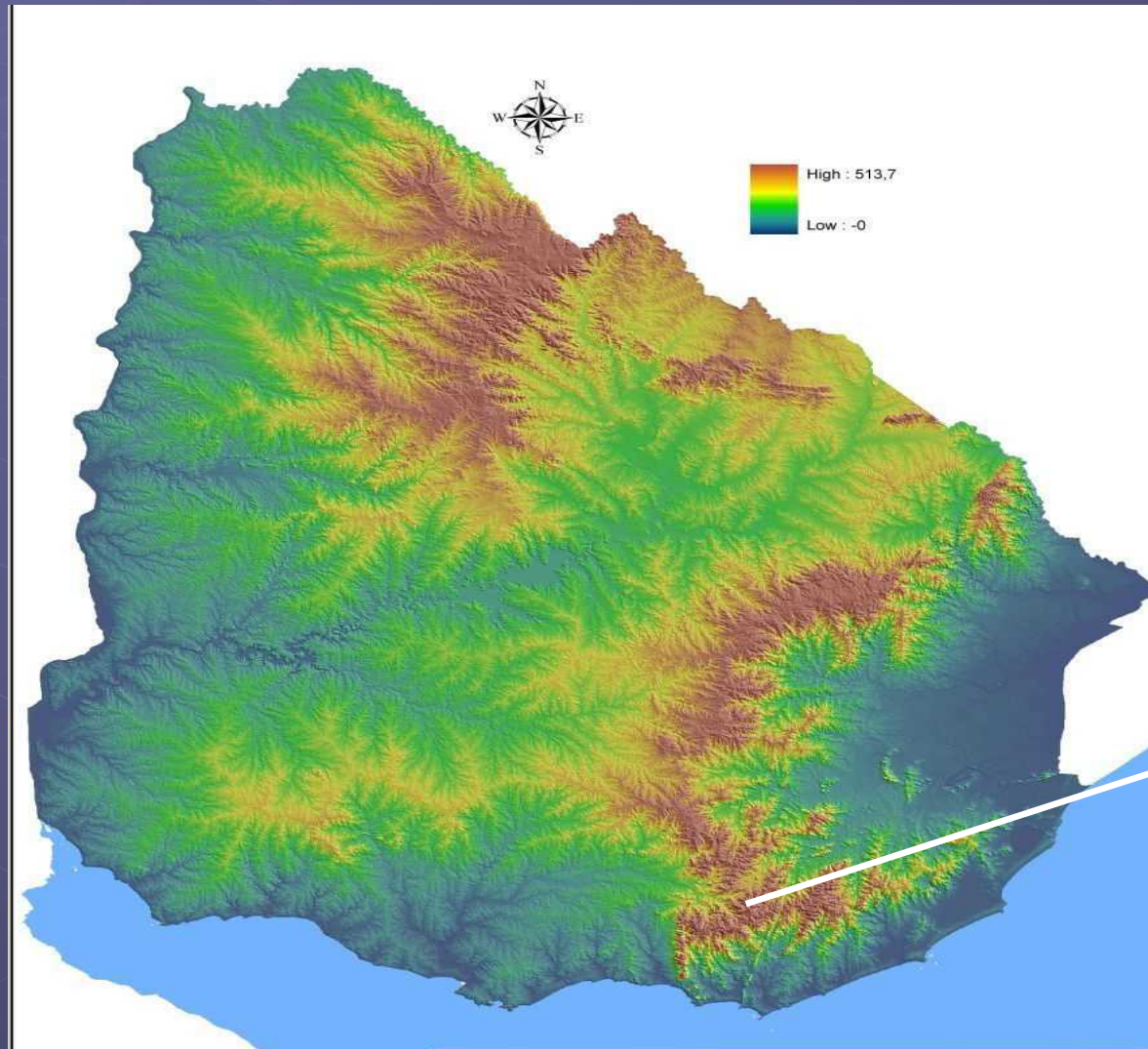
NATURAL RESOURCES: Climate

Annual average precipitation

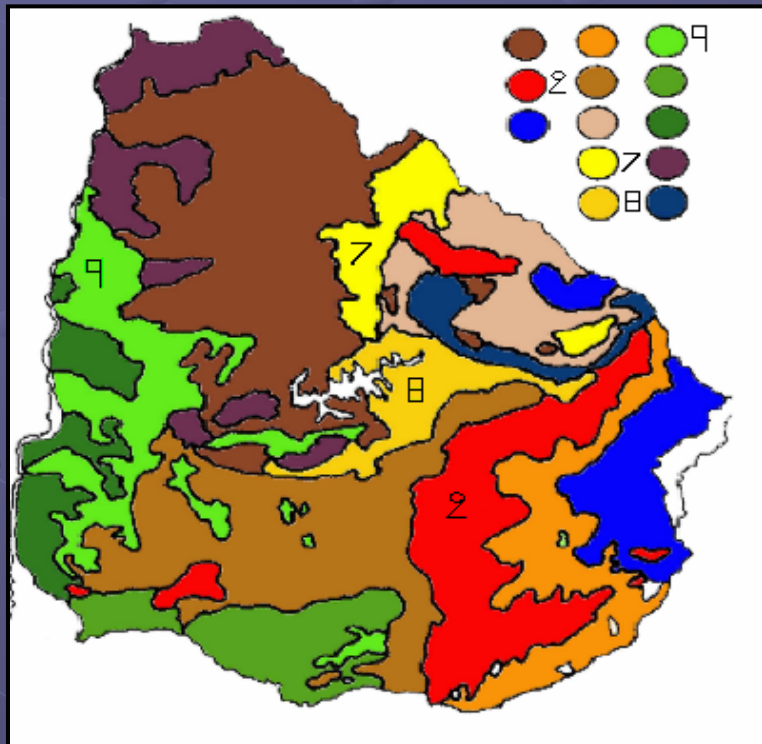
1300 mm



NATURAL RESOURCES: Topography



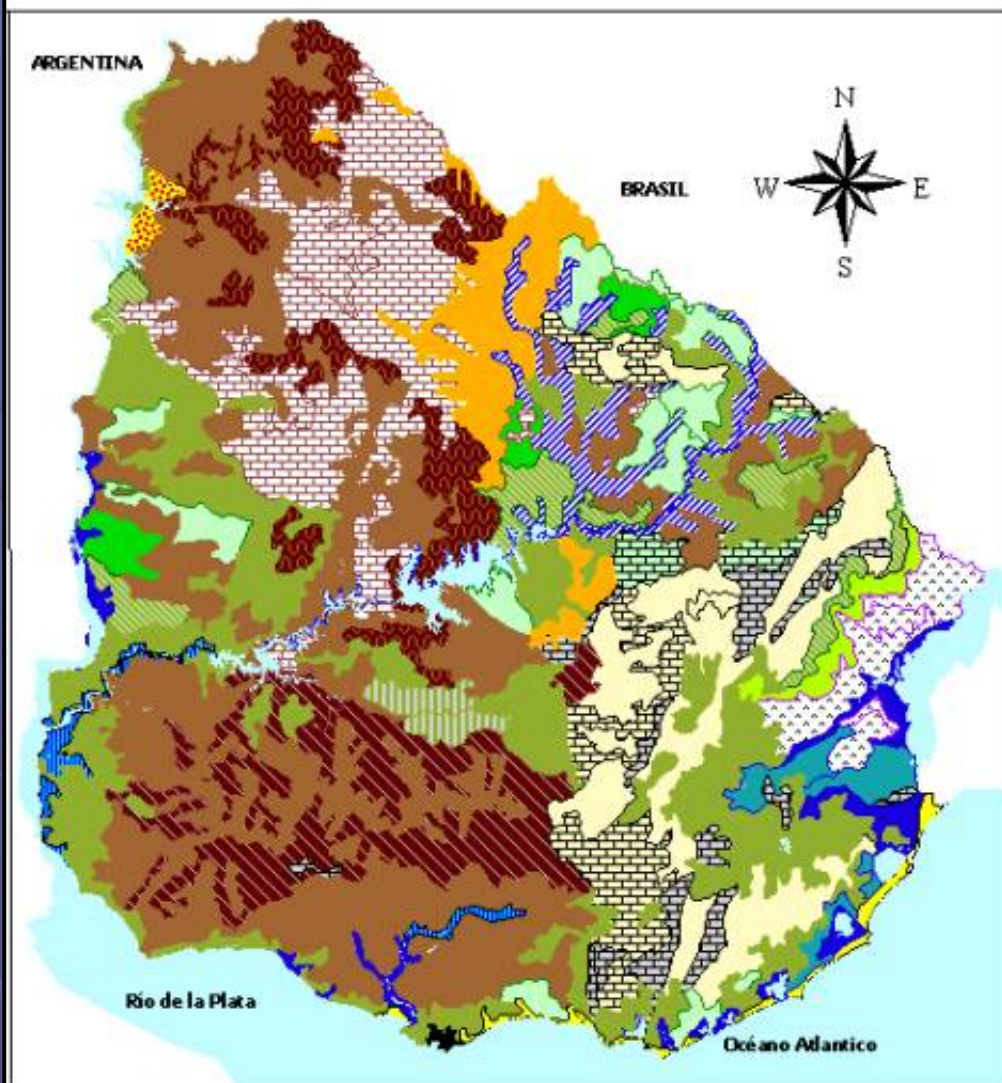
NATURAL RESOURCES: **Soils**



Soils	%
SHALLOW	32
HIDROMORFIC	5
LIGHT TEXTURED (Low fertility)	13
MEDIUM TEXTURED (Medium fertility)	28
HEAVY TEXTURED (High fertility)	22
TOTAL	100 %

SOIL TAXONOMY USDA 1999

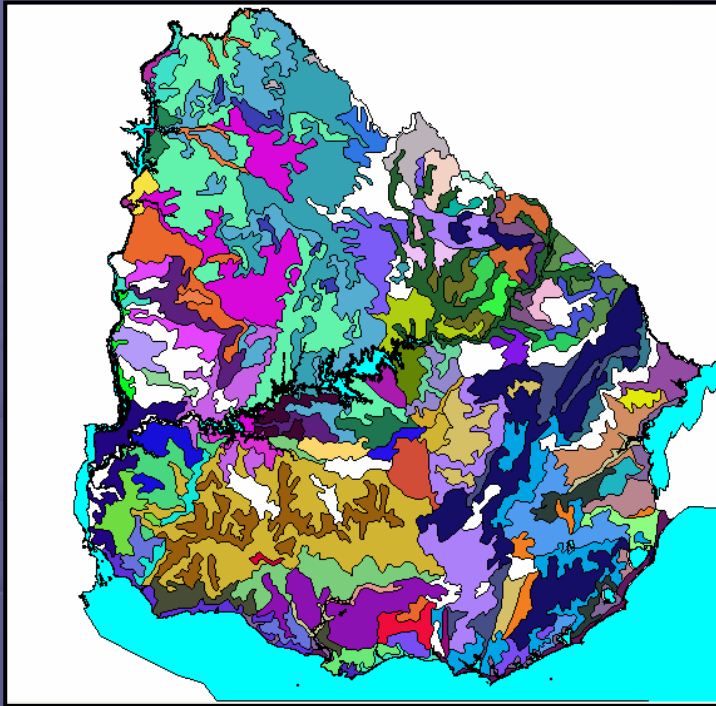
MAPA GENERAL DE SUELOS DEL URUGUAY



LEYENDA SEGUN SOIL TAXONOMY, USDA, 1999

- Argiudolls
- Argiudolls & Hapluderts
- Argiudolls & Hapludolls
- Argiudolls, Hapludolls & Hapludalfs
- Argiudolls, Hapludolls, Hapludalfs & rock outcrops
- Argiudolls & Hapludalfs
- Argiudolls & Albaqualls
- Argiudolls & Argiaquolls
- Hapludolls, Argiudolls & Hapluderts
- Hapludolls, Argiudolls & Eutrudepts
- Hapludolls, Udorthents & rock outcrops
- Argialbolls, Argiudolls & Udifluvents
- Argialbolls, Albaqualls & Natraquals
- Argiaquolls & Albaqualls
- Endoaquolls & Fluvaquolls
- Hapludalfs
- Hapludalfs & rock outcrops
- Hapludalfs & Hapludults
- Hapludalfs & Quartzipsamments
- Dystrudepts & Argiudolls
- Dystrudepts & rock outcrops
- Udifluvents
- Lagos y lagunas
- Area urbana

URUGUAYAN SOILS



Great variability:

Sandy / With Clay

Deep / Superficial

High fertility / Low fertility

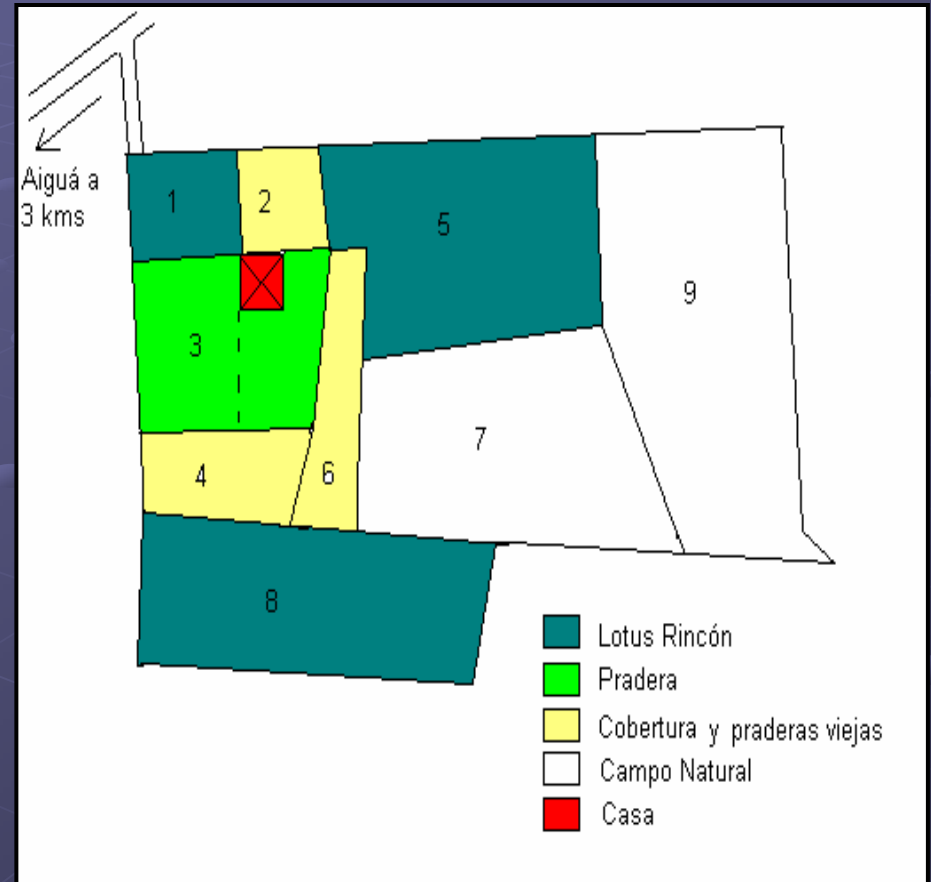
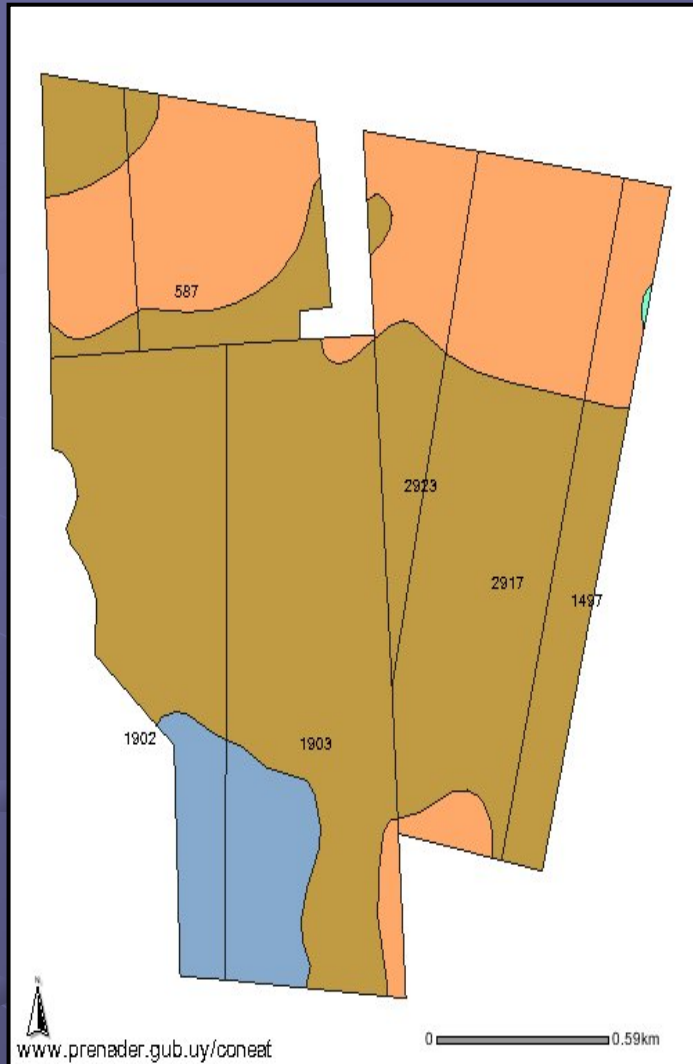
Very Acid / Alkaline

Plane / Big slopes

The soils, the weather and the distance to the markets have driven the distribution of the farming production in Uruguay.

The knowledge of the Uruguayan soils is very large, with information of the different soil types at farm level.

SOILS MAP OF THE FARM



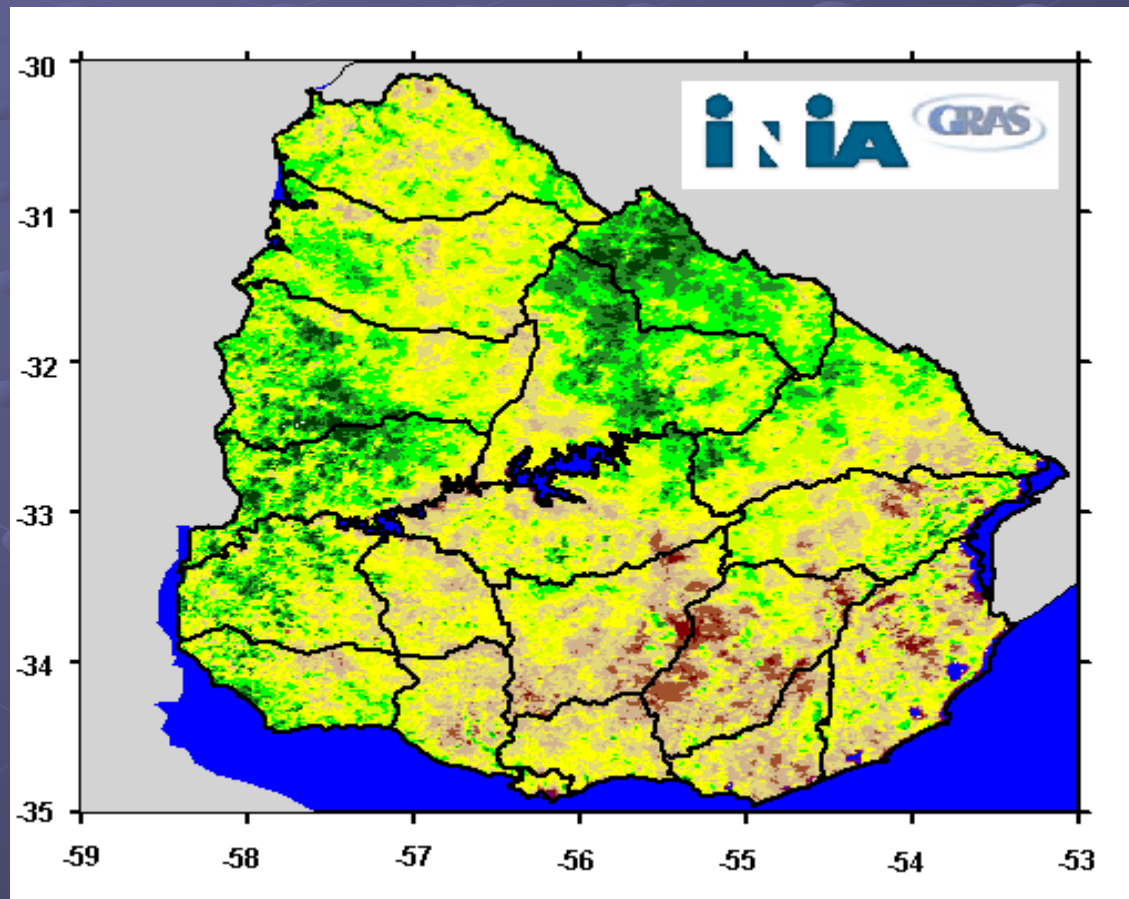
Soils use of the farm



NATURAL RESOURCES: Pastures



VEGETATION INDEX FEBRUARY 2007





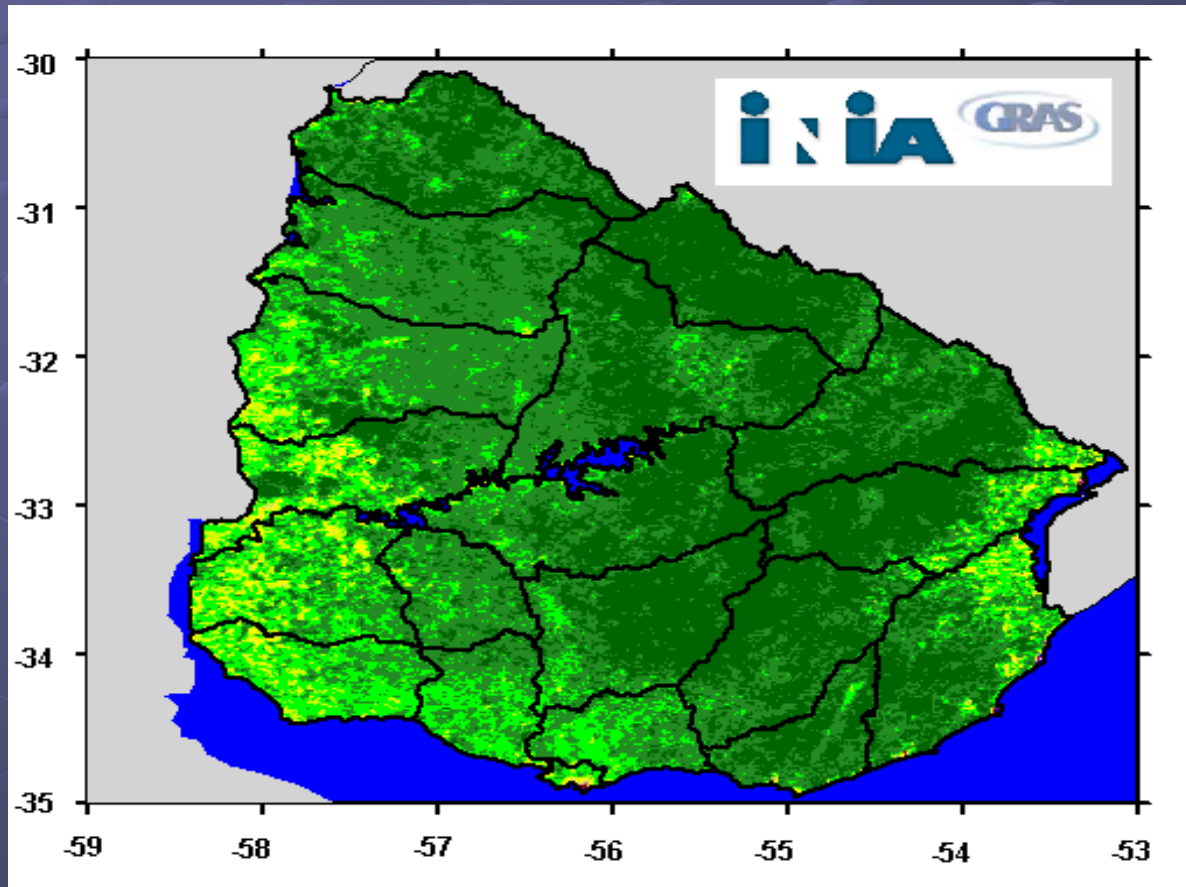
NATURAL RESOURCES:

Pastures



VEGETATION INDEX

APRIL 2007





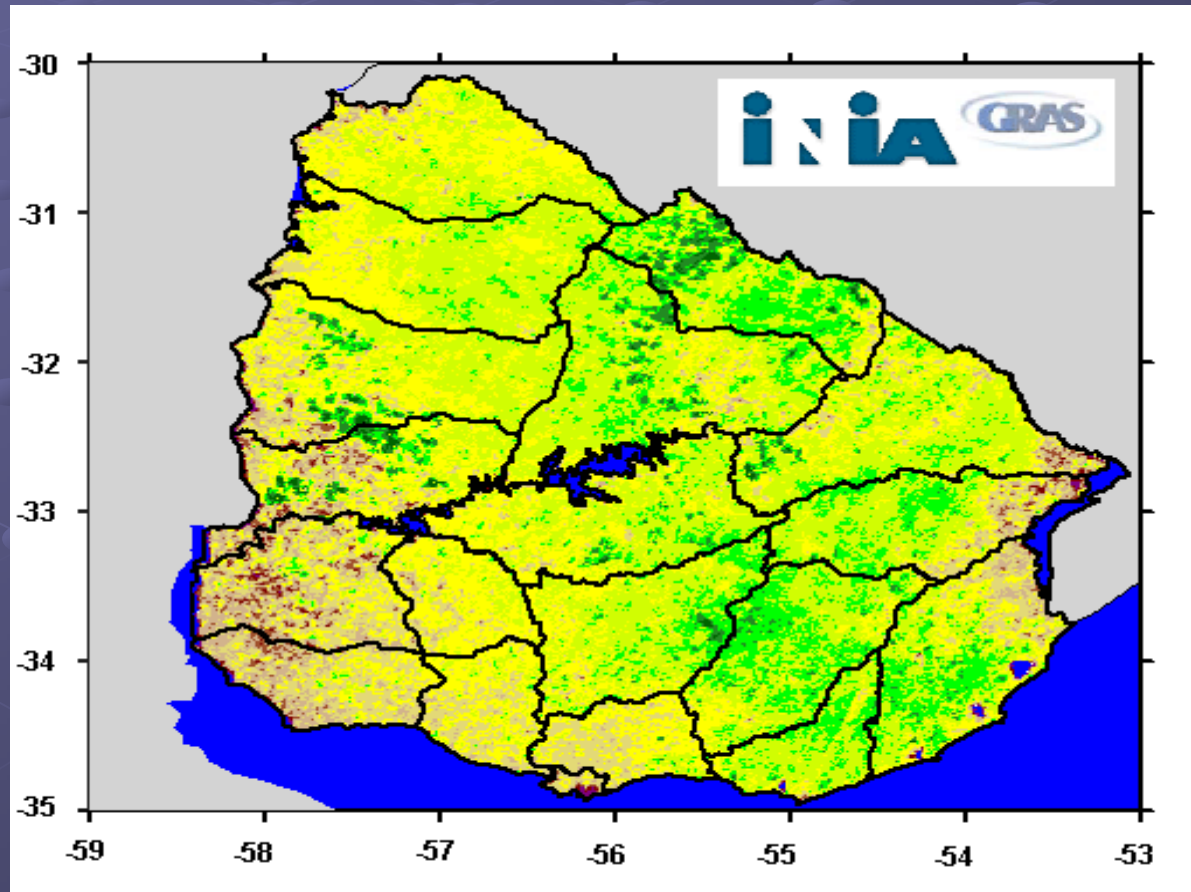
NATURAL RESOURCES:

Pastures



VEGETATION INDEX

JULY 2007



BASIC FARMING CHARACTERISTICS, FOR YEAR OF CENSUS

Concept	Census year	
	2000	1990
Farms number	57.131	54.816
Total surface (thousand has)	16.420	15.804
Rural population	189.838	213.367
Permanent workers	157.009	140.430
Hectares by farm	287	288

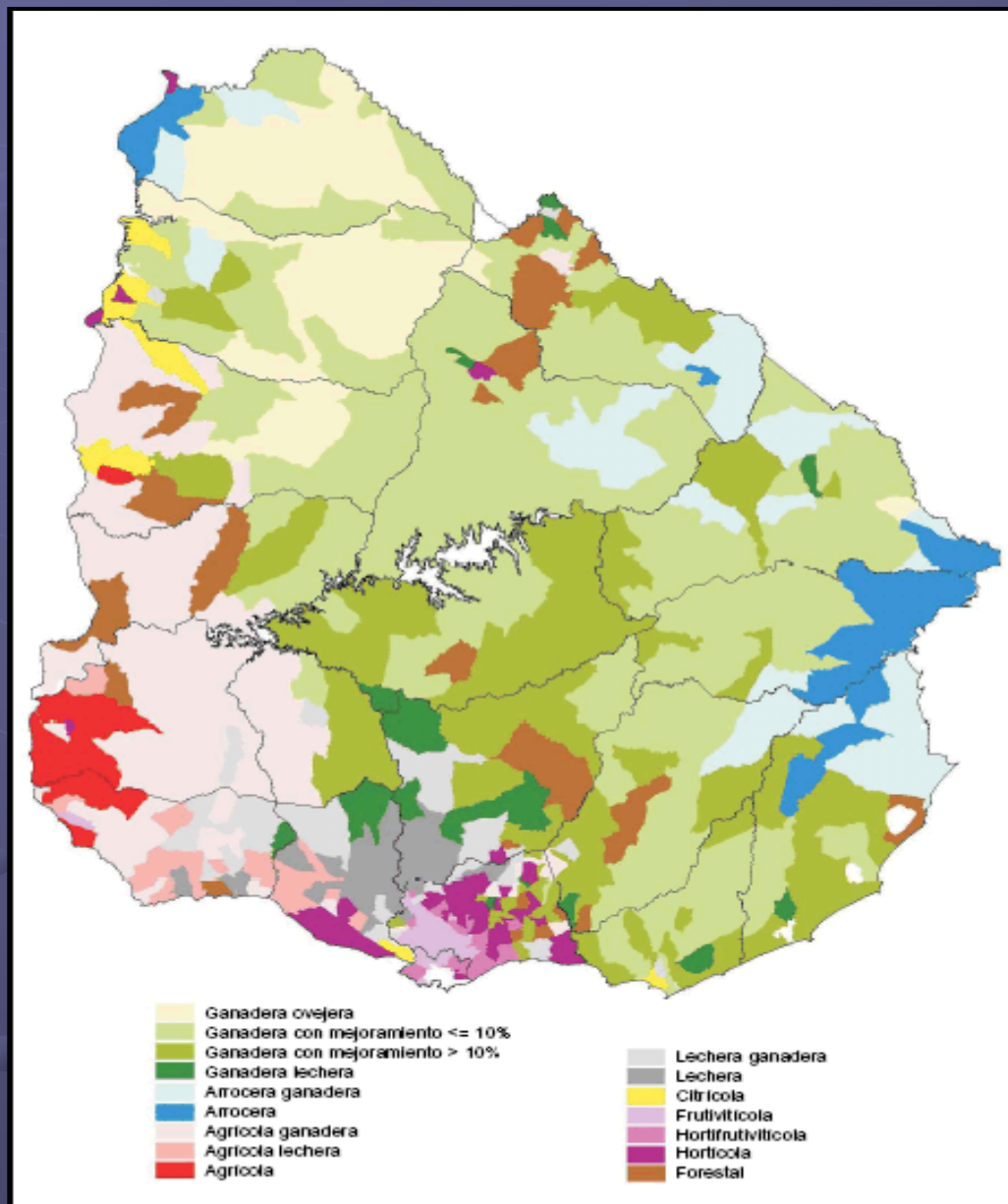
Source: Farming Census of the 2000 – MGAP - DIEA

SOIL USE (Year 2000)

SOIL USE	SURFACE (HA)	%
NATURAL FORESTS	589.853	3,6
ARTIFICIAL FORESTS	660.869	4,0
FRUIT TREES	40.921	0,25
VEGETABLE CROPS	34.695	0,21
AGRICULTURAL CROPS	597.533	3,6
FORAGE CROPS	2.100.590	12,8
PLOWED LAND	535.513	3,2
PASTURE RANGE	11.859.709	72,3
TOTAL	16.419.683	100

Source: Farming Census of the 2000 – MGAP - DIEA

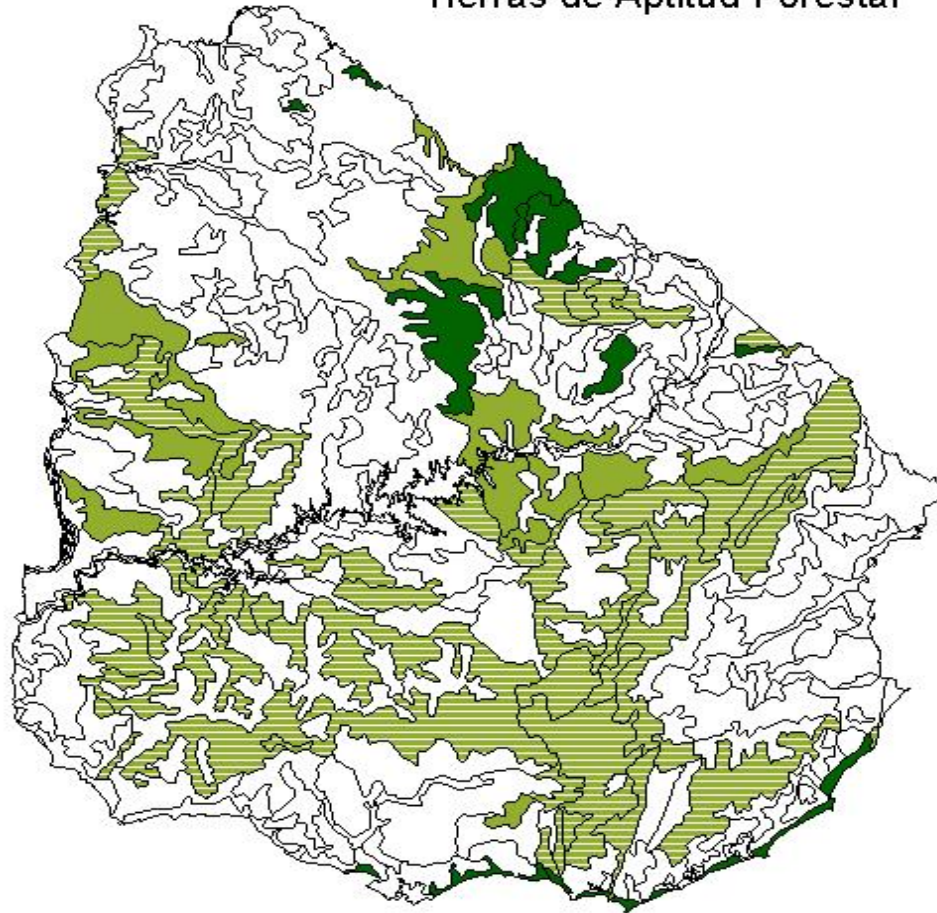
AGRICULTURAL REGION



FORESTRY



Tierras de Aptitud Forestal

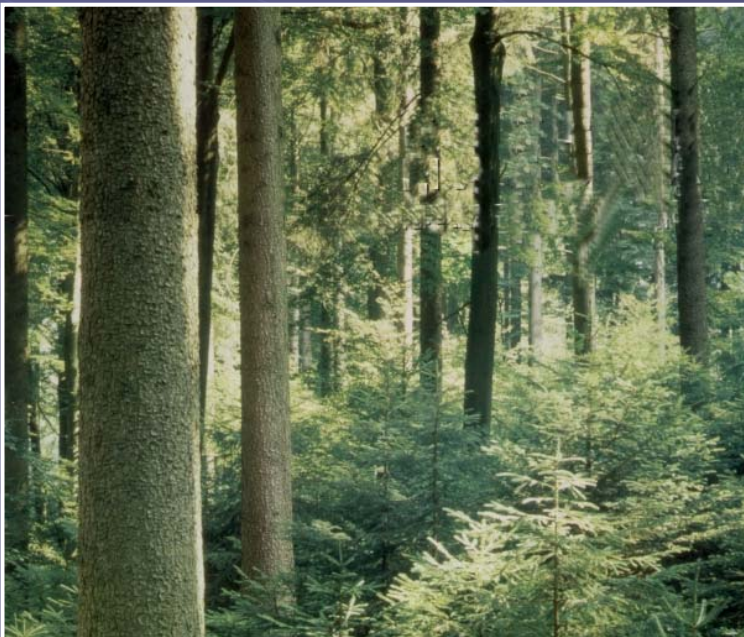


❖ Area of forest priority: 3.600.000 has.

❖ Forest area – year 2000: 660.000 has.

THE FOREST AT 2007

- ❖ Natural Forests: **590.000 has.**
- ❖ Cultivated Forests: **760.000 has.**
- ❖ **80%** of cultivated forests: **eucalyptus.**
- ❖ Total Forests: **1.350.000 has.**



THE FOREST PRODUCTION

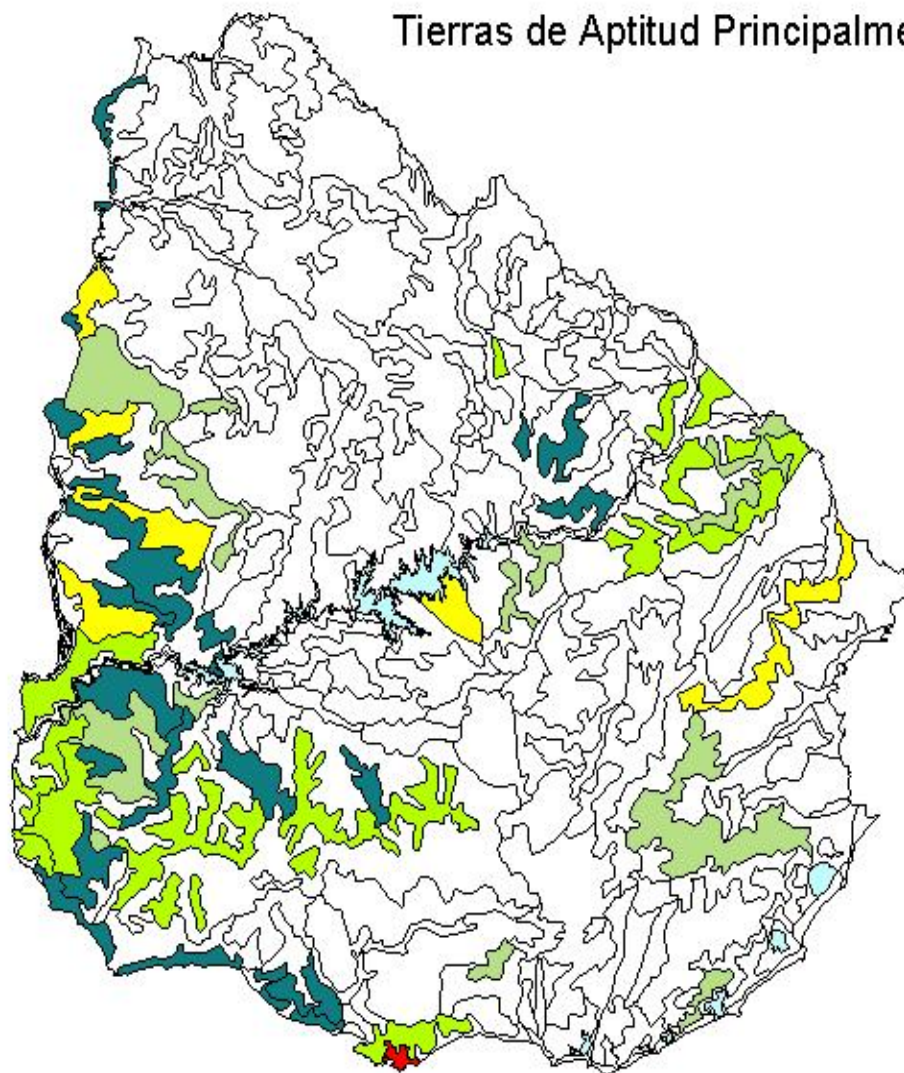
- ❖ Production: **3.000.000 m³**
- ❖ Use like fuel: **1.400.000 m³ (47%)**
- ❖ Industrial use: **1.600.000 m³ (53%)**
- ❖ National industry: **500.000 m³**
- ❖ Exports: **1.100.000 m³ = 102 million dollars**



CROPS

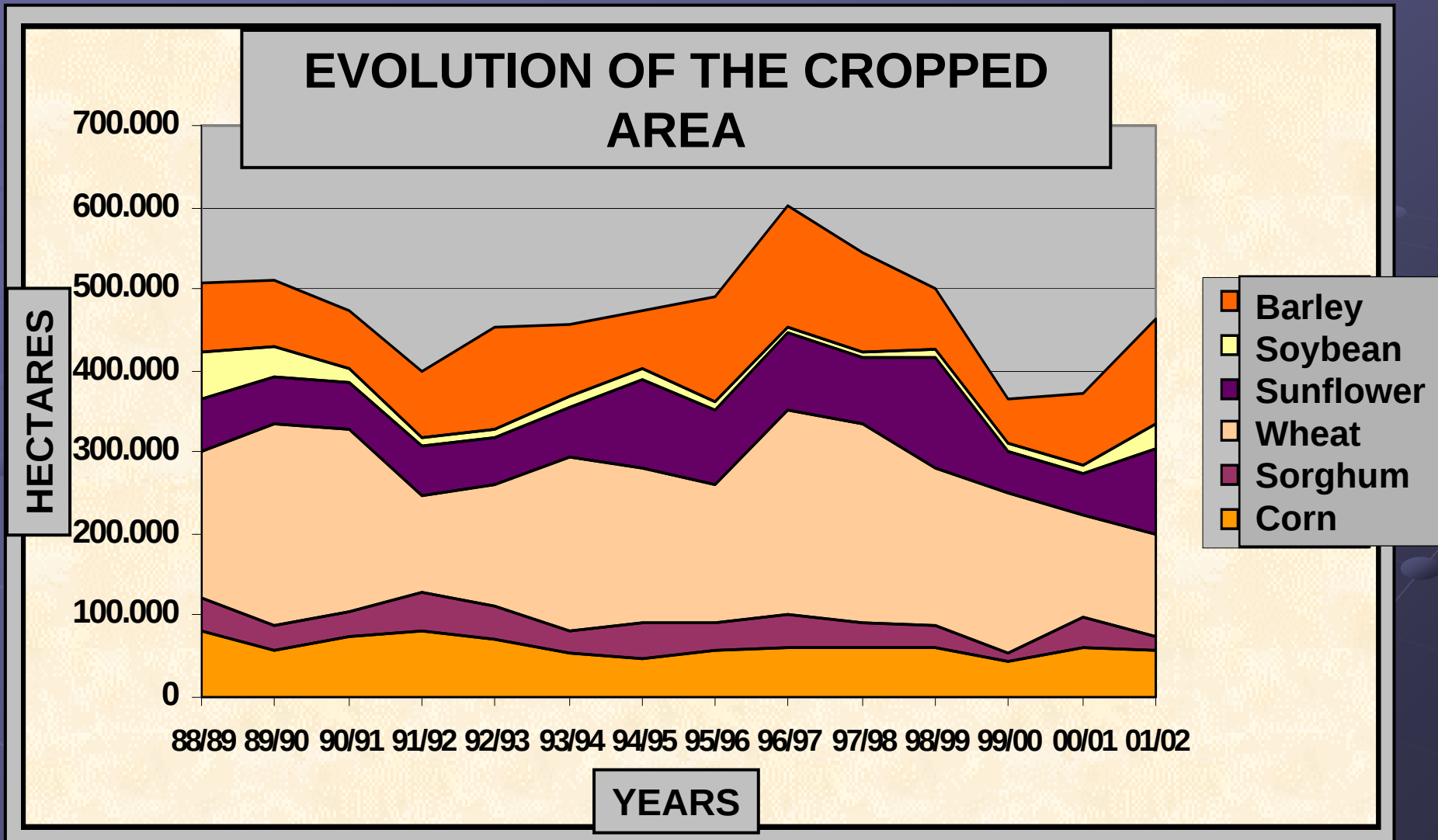


Tierras de Aptitud Principalmente Agrícola



❖ Soils of agricultural attitude: 3.000.000 has.

CROPS



CROPS

CROPS	Year 2000	597.533 has.
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CROPS	Year 2007	956.000 has.
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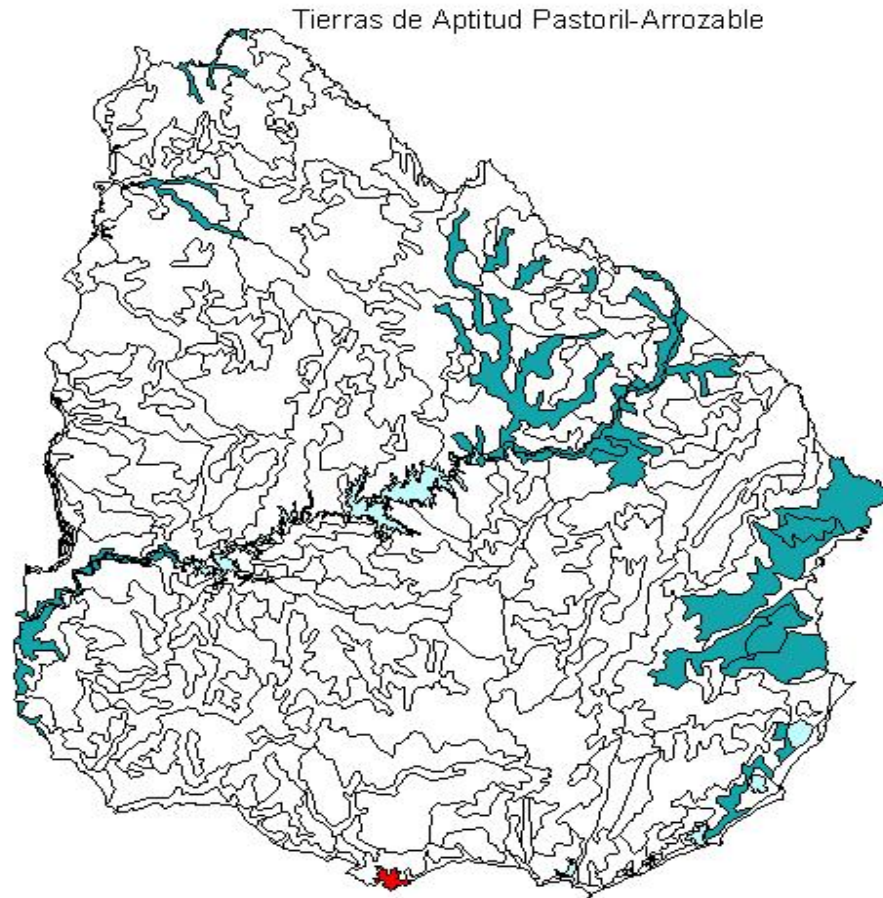
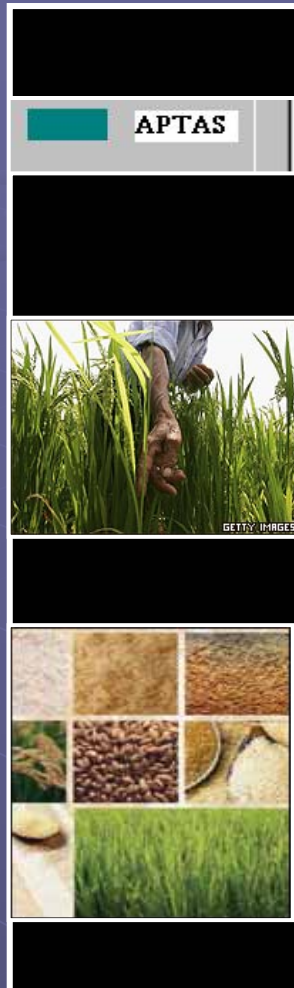
Increase of 60 % between 2000 to 2007



CROPS

CROPS	URUGUAYAN AREA (HAS)	NORTH CAROLINA AREA (HAS)
WHEAT	270.000	178.000
BARLEY	140.000	6.340
SOYBEAN	400.000	550.000
SORGHUM	36.000	29.500
SUNFLOWER	16.000	NO DATA
CORN	89.000	283.000
COTTON	5.000	374.000
TOTAL	956.000	1.420.840

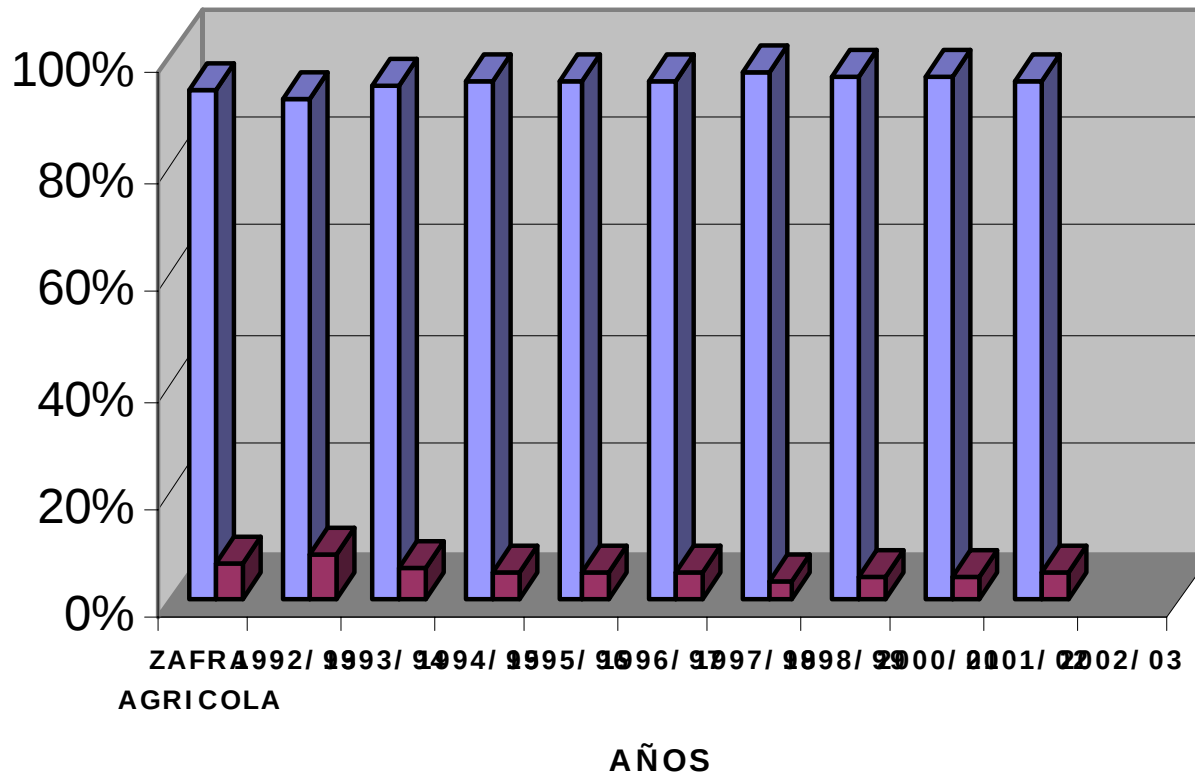
RICE



- ❖ Potential rice area: 800.000 has.
- ❖ Actual rice area: 145.000 has.

RICE:

EXPORT VS CONSUMPTION



❖ Rice production: 870.000 tons

LIVESTOCK

The most important product of Uruguay

Beef Cattle

Dairy Cattle

Sheep



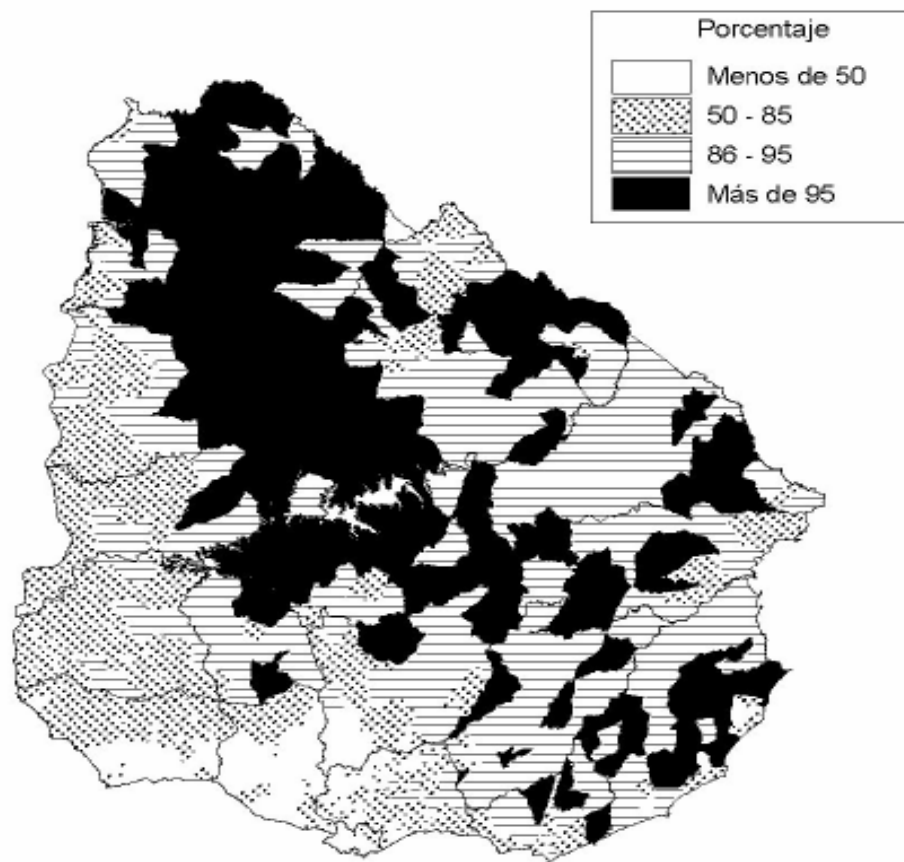


LIVESTOCK

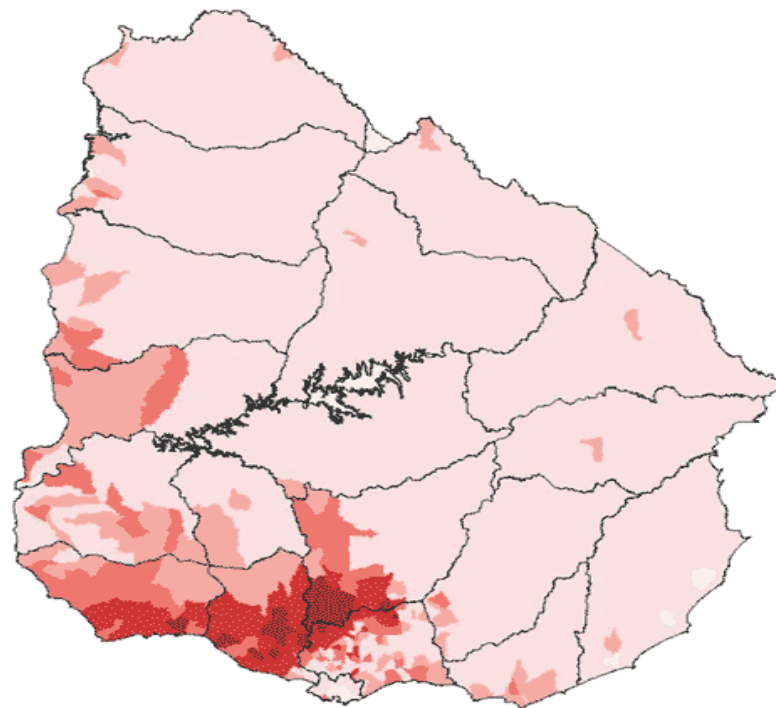


CATTLE AND SHEEPS

DAIRY CATTLE

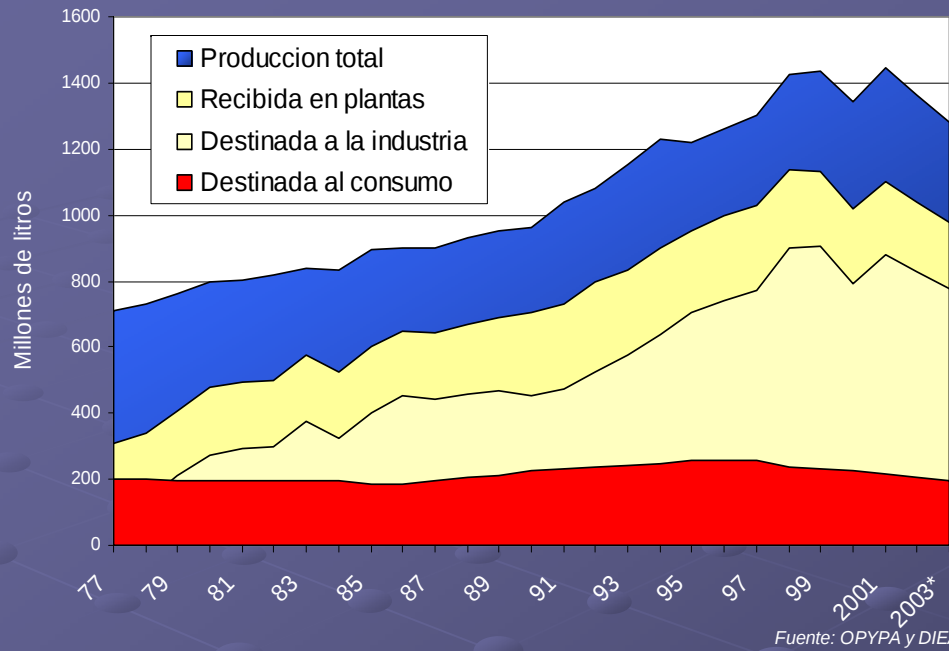


MAPA 4
Producción de leche (*)
Año 2000



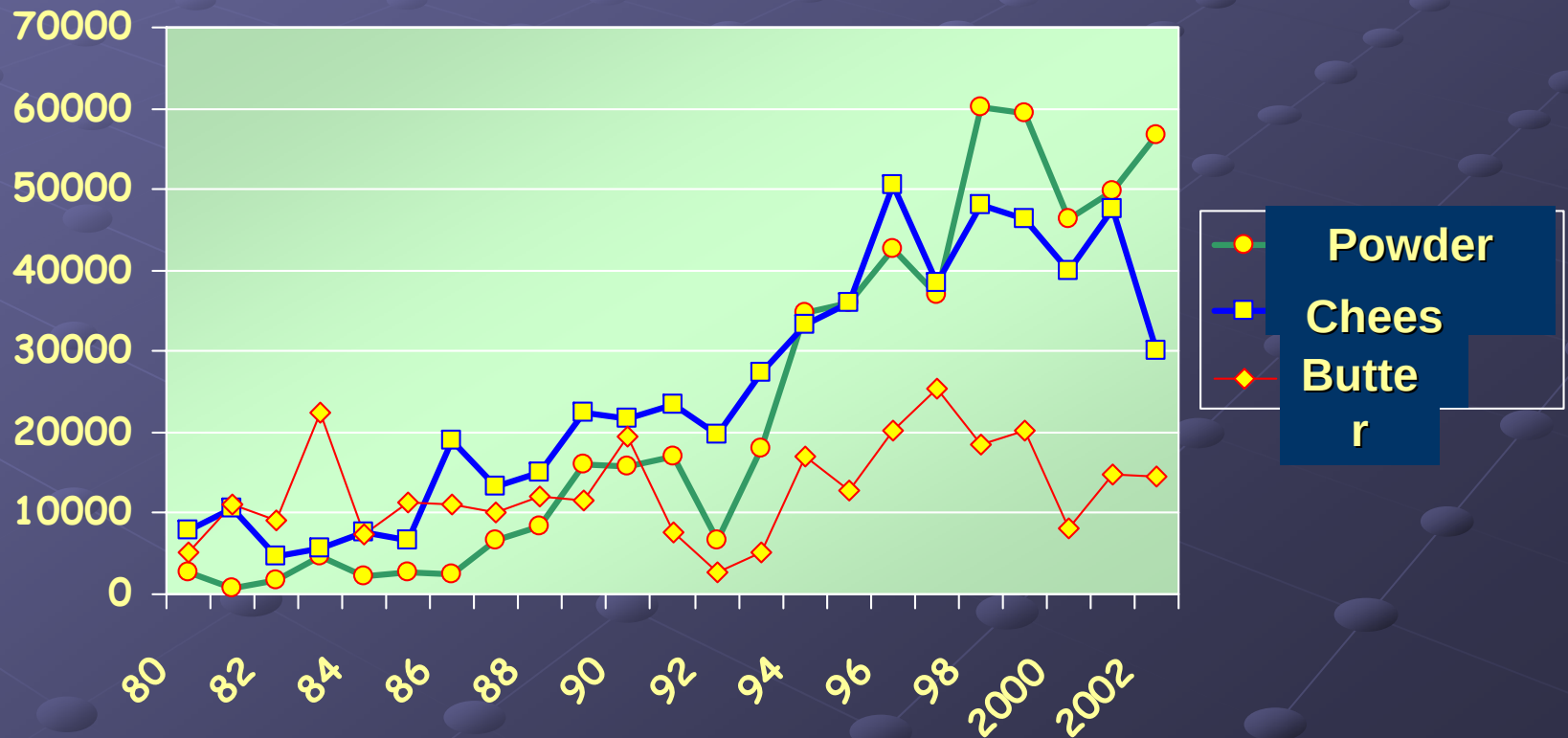
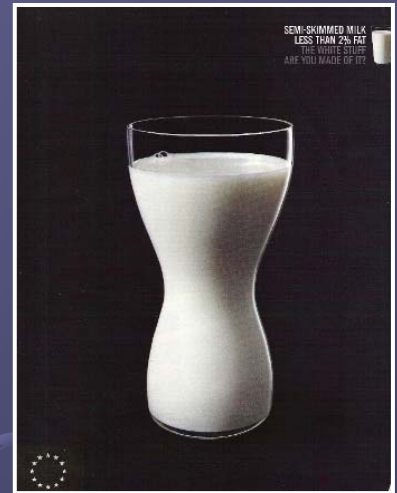
DAIRY CATTLE

Producción de leche

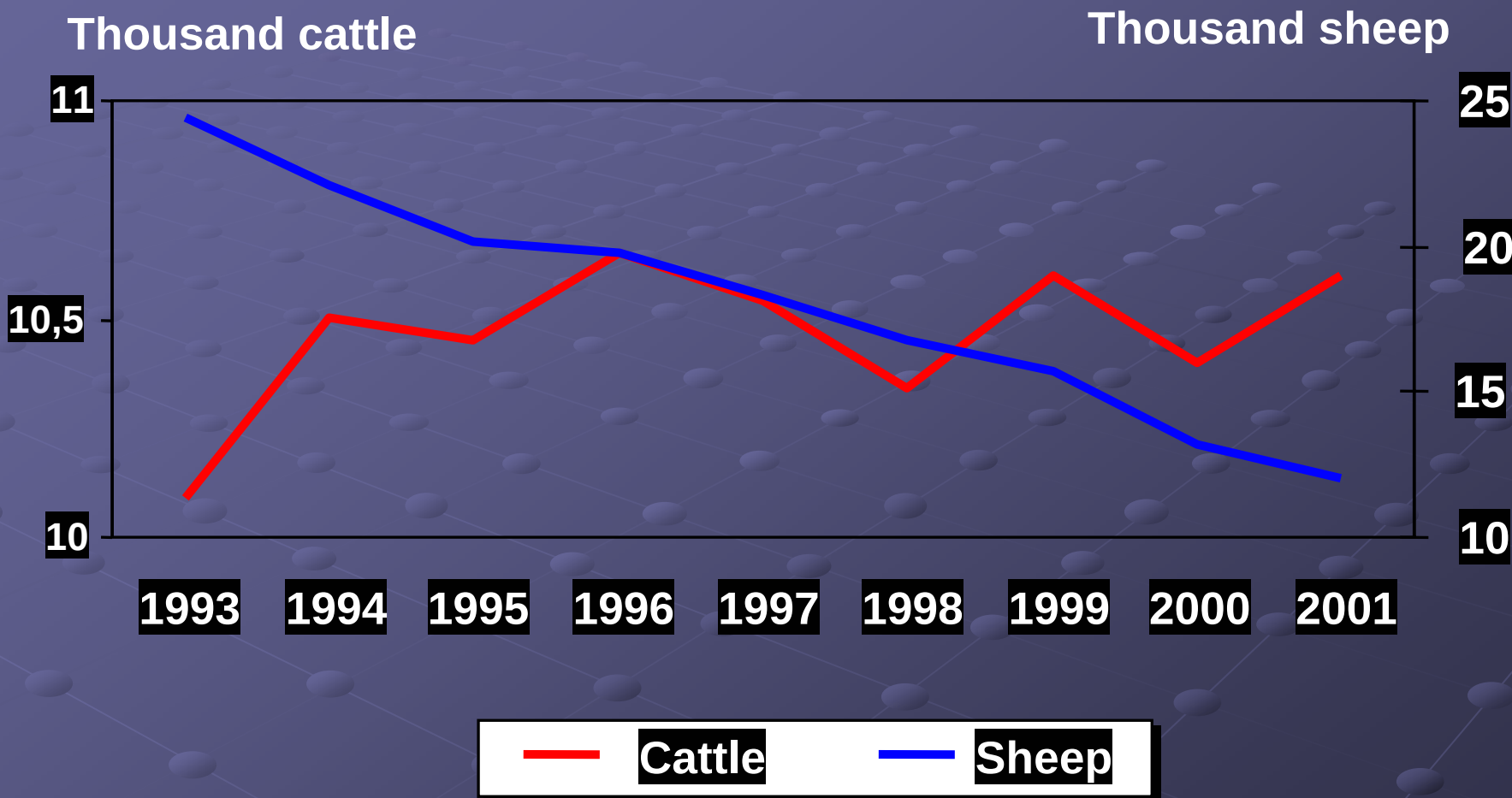




DAIRY CATTLE EXPORTS

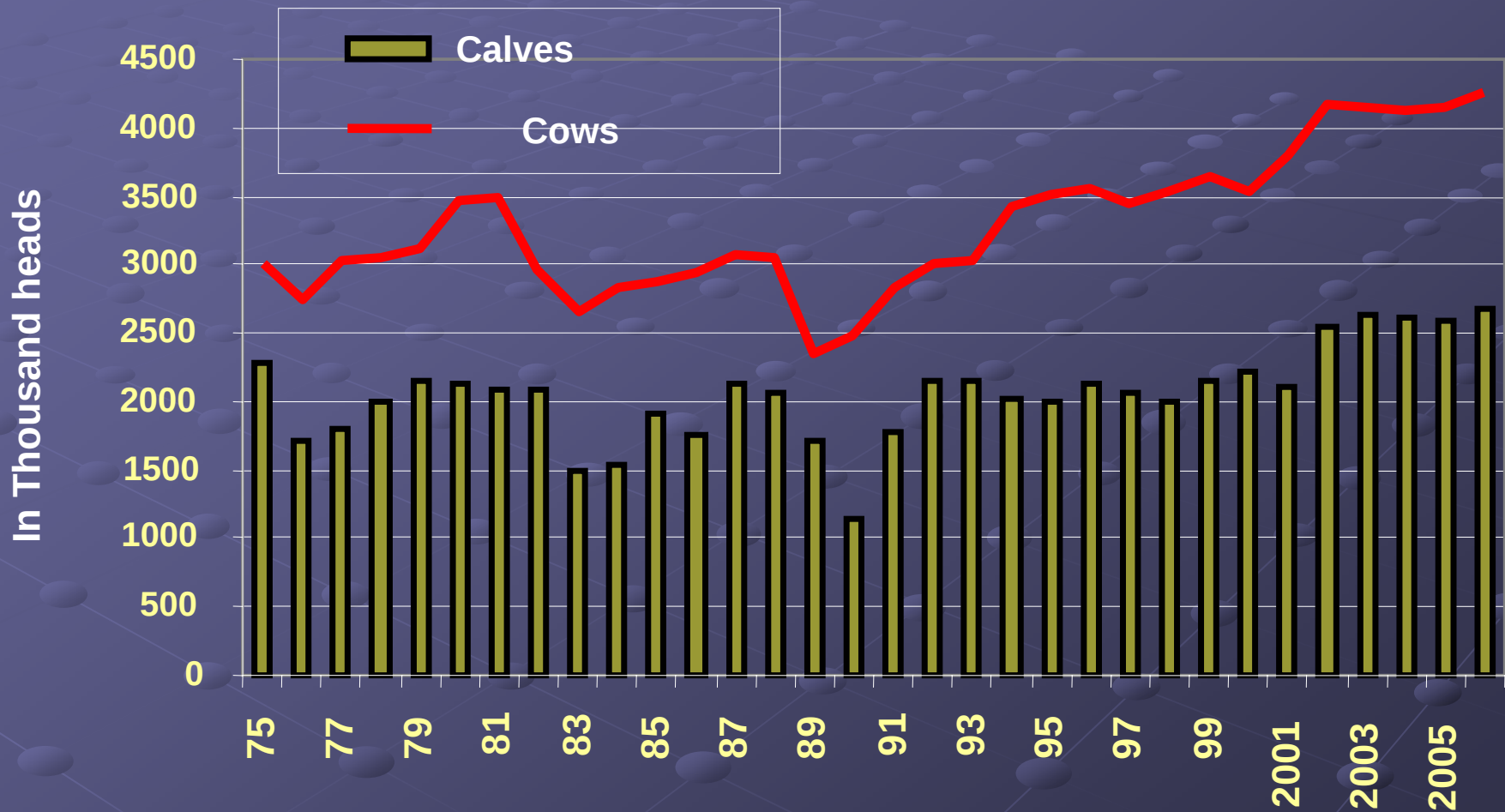


CATTLE AND SHEEP LIVESTOCK

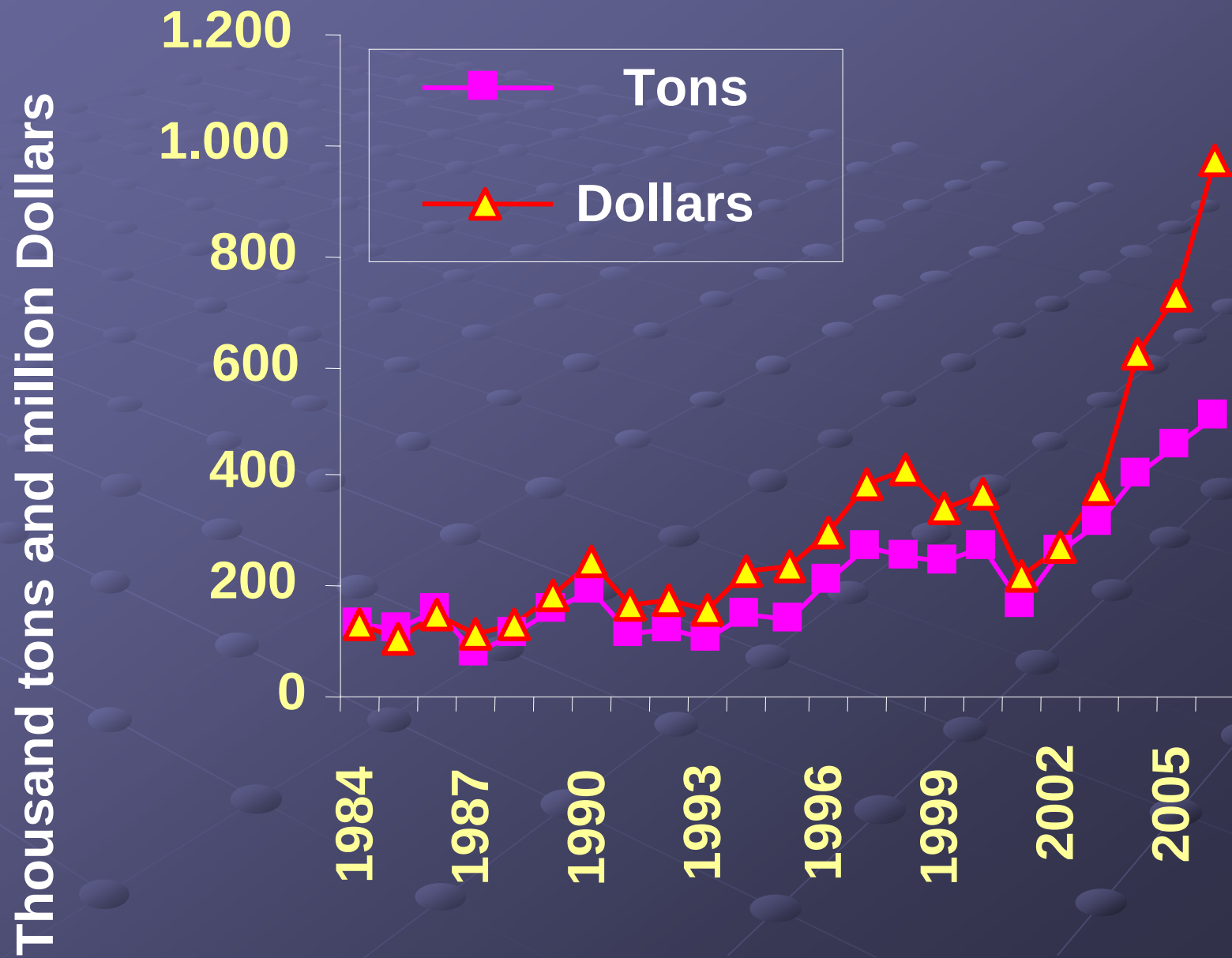


CATTLE	Year 2007	12.000.000
SHEEP	Year 2007	11.000.000

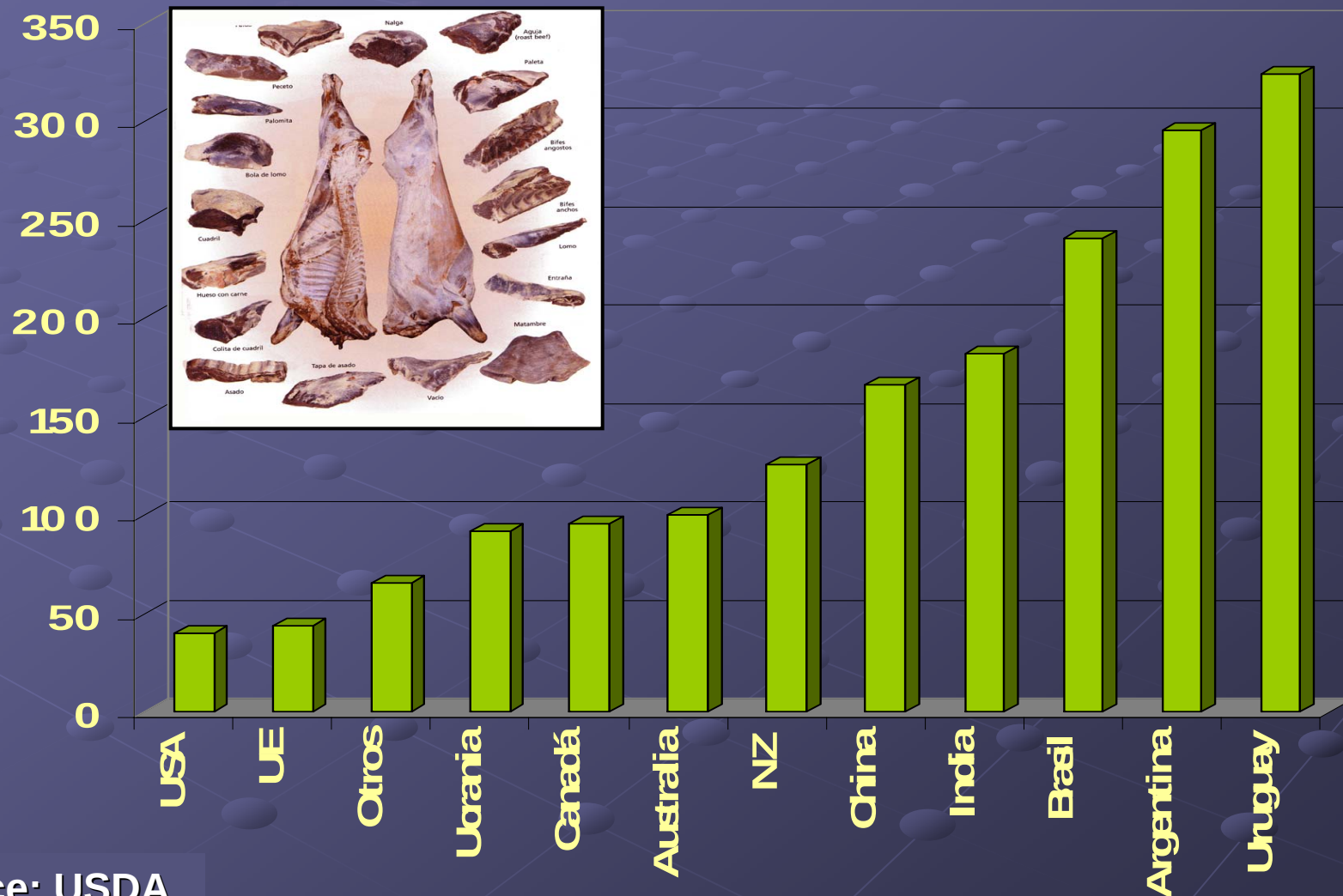
CALVES AND COWS NUMBER



BEEF EXPORT



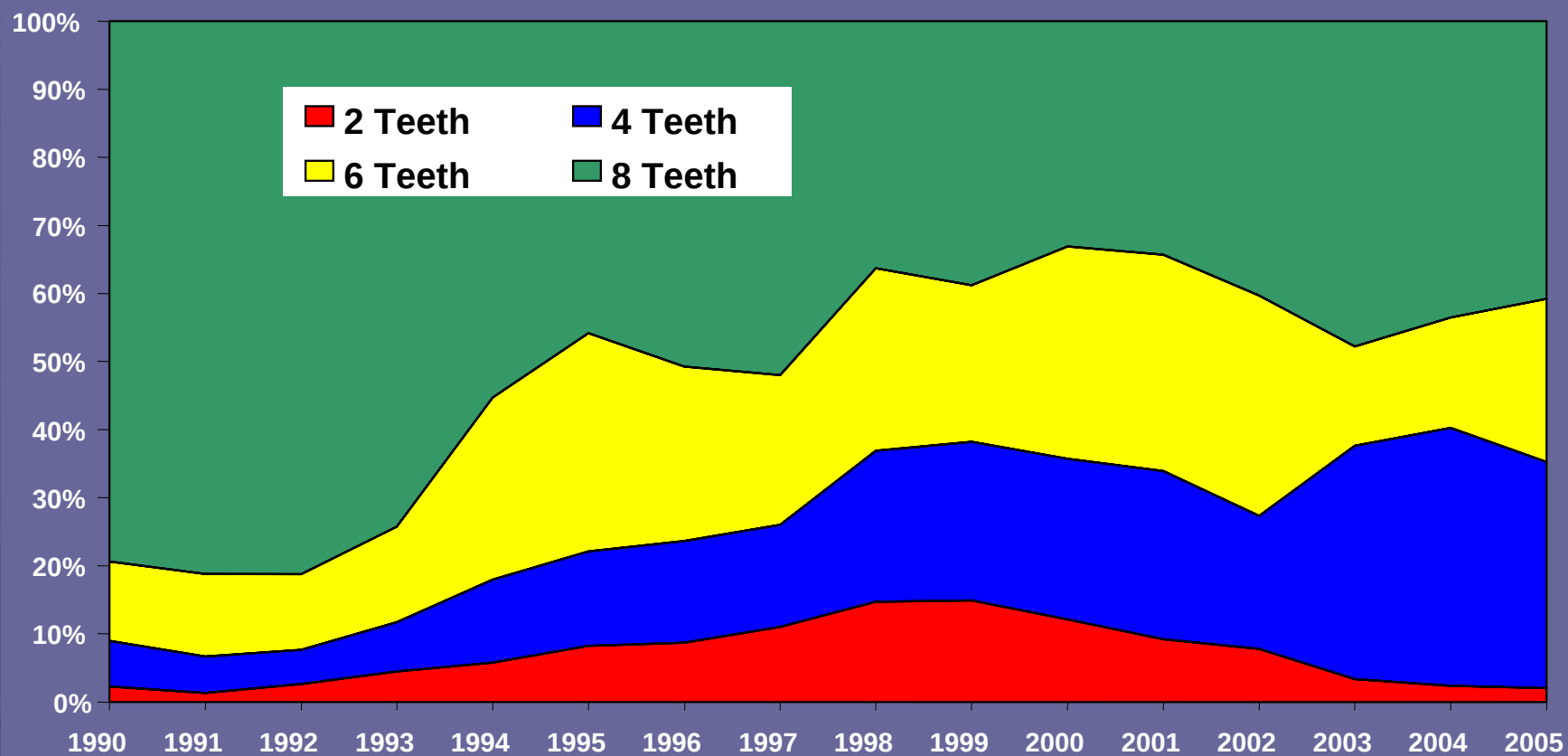
BEEF EXPORTS % INCREASE (2001 - 2006)



Source: USDA



STEERS SLAUGHTER BY AGES

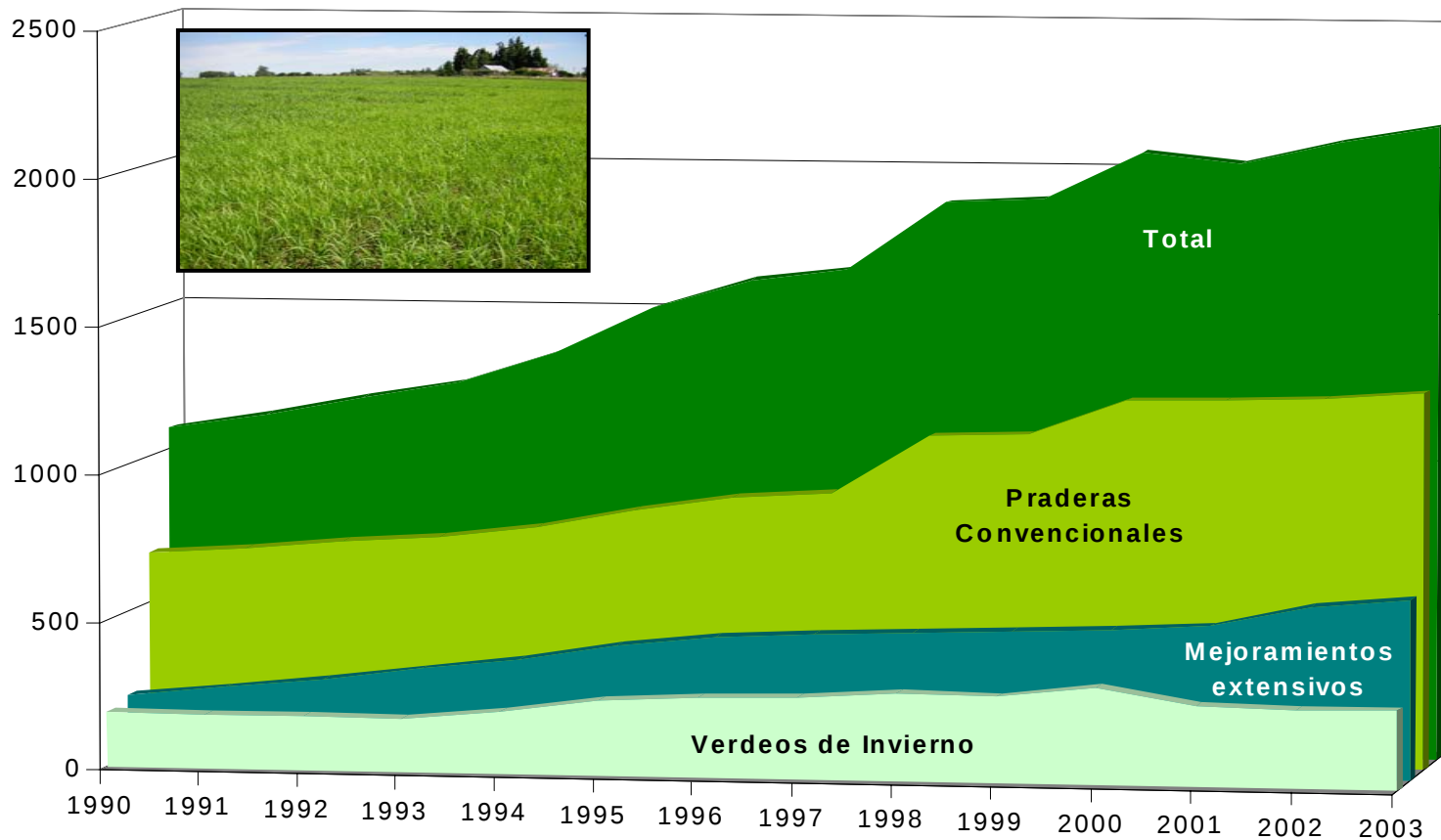


Fuente: Instituto Plan Agropecuario en base a INAC

FORAGE IMPROVEMENTS

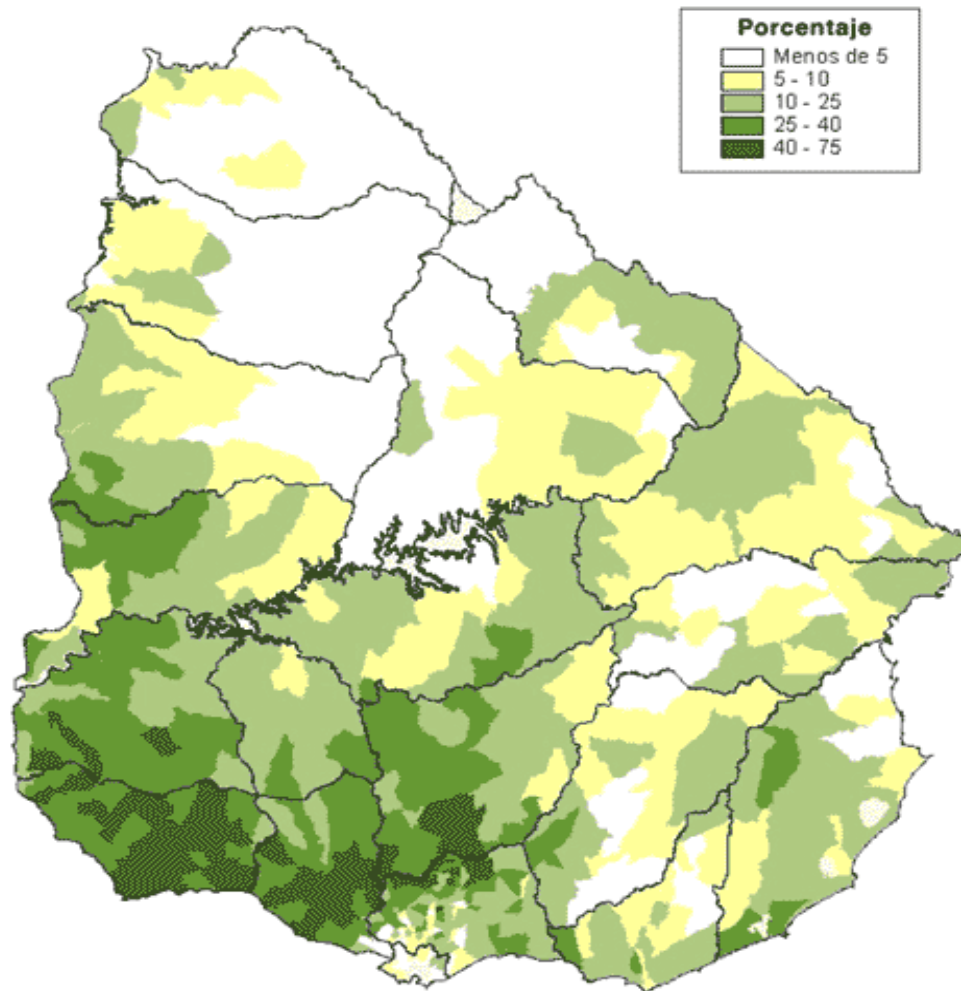
MEJORAMIENTOS FORRAJEROS

(miles de Hás.)



Fuente: Instituto Plan Agropecuario en base a DICOSE

FORAGE IMPROVEMENTS AREA



AGRIBUSSINES AND THE URUGUAYAN ECONOMY

YEARS	2002	2004	2006
TOTAL EXPORTS (million dollars)	1.860	2.890	4.000
AGRICULTURAL EXPORTS (million dollars)	1.170	1.900	2.700
Agr. Exp. / Total Exp. (%)	63 %	66 %	67 %

In 2004 the Agribusiness produced:

- ⌚ **24 % of Uruguayan GDP**
- ⌚ **100 % of Agricultural GDP**
- ⌚ **57 % of Industry GDP**
- ⌚ **4 % of Service GDP**

In 2007 the Agribusiness is around the 30 % of
Uruguayan GDP

THE CHANGES IN THE URUGUAYAN AGRICULTURAL

- ⌚ **The forestry growth**
- ⌚ **The agricultural growth (soybean and wheat)**
- ⌚ **The transgenic crops increase**
- ⌚ **Technological changes in crops**
- ⌚ **The land price increase**



**THE CHALLENGE OF THE FARMING
PRODUCTION IN URUGUAY ..**

**TO DEVELOP PRODUCTION SYSTEM
TECHNICALLY SUSTAINABLE AND
ENVIROMENTALLY FRIENDLY**