

Rabbit Production and Organization in China

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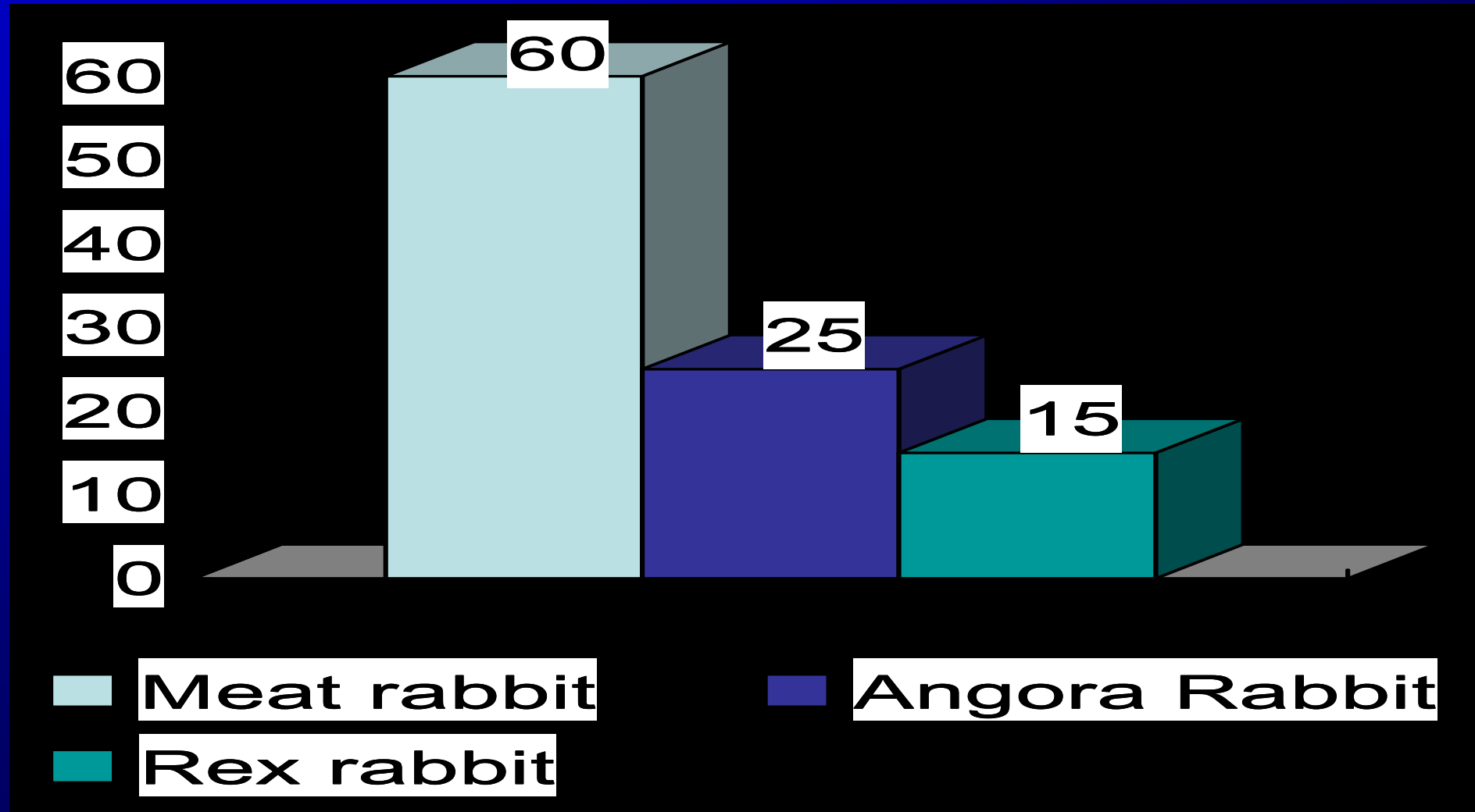
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1. Overview of Chinese rabbit industry

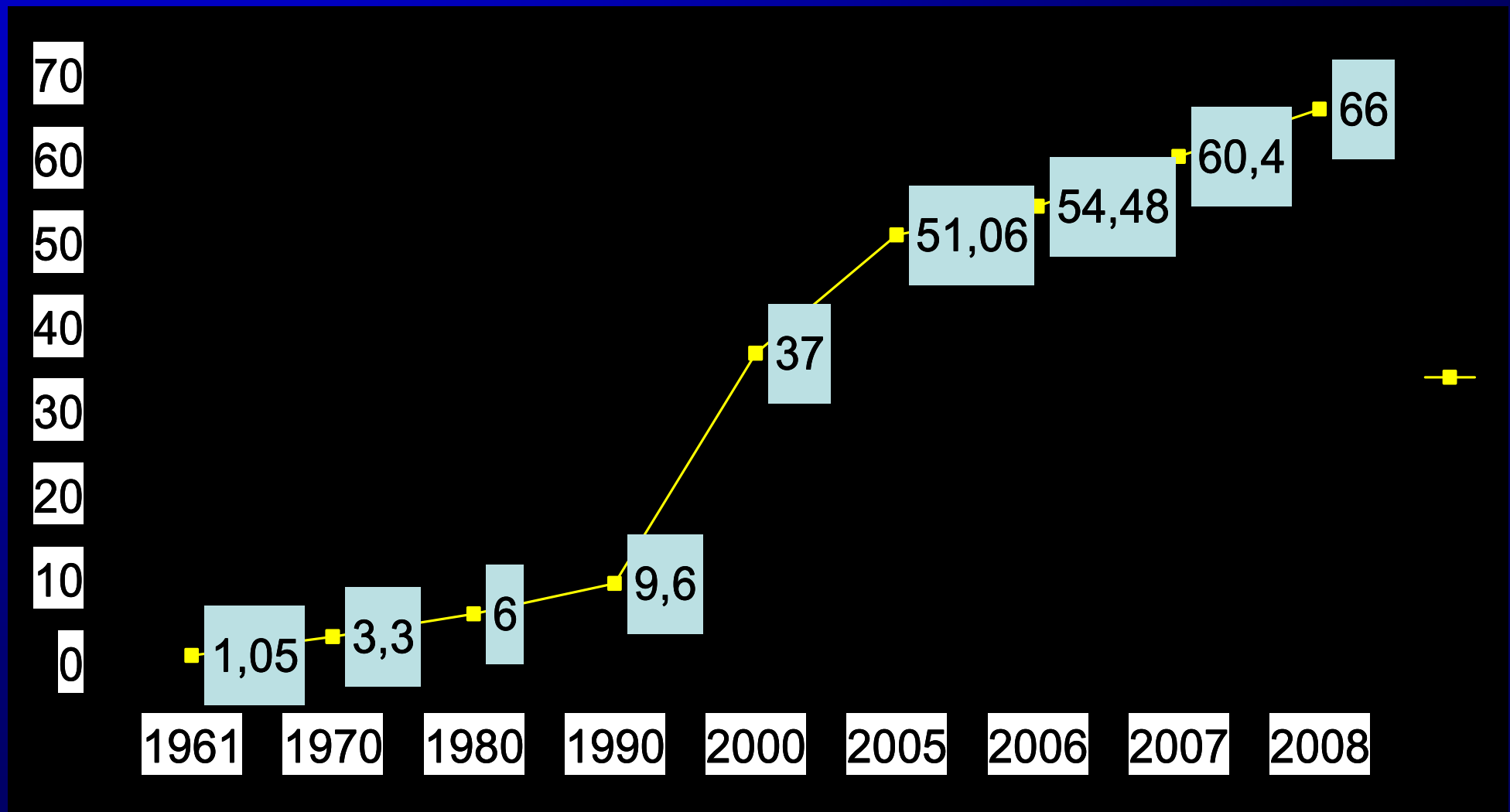
Production and Product Export in 2008

Product	Production	Export
Rabbit meat	660,000 tons	10,340 tons
Rabbit wool	12,000 tons	1,264 tons
Rabbit skin	50,000,000 pieces	>95%

The Ratio of Meat, Angora and Rex Rabbit in China



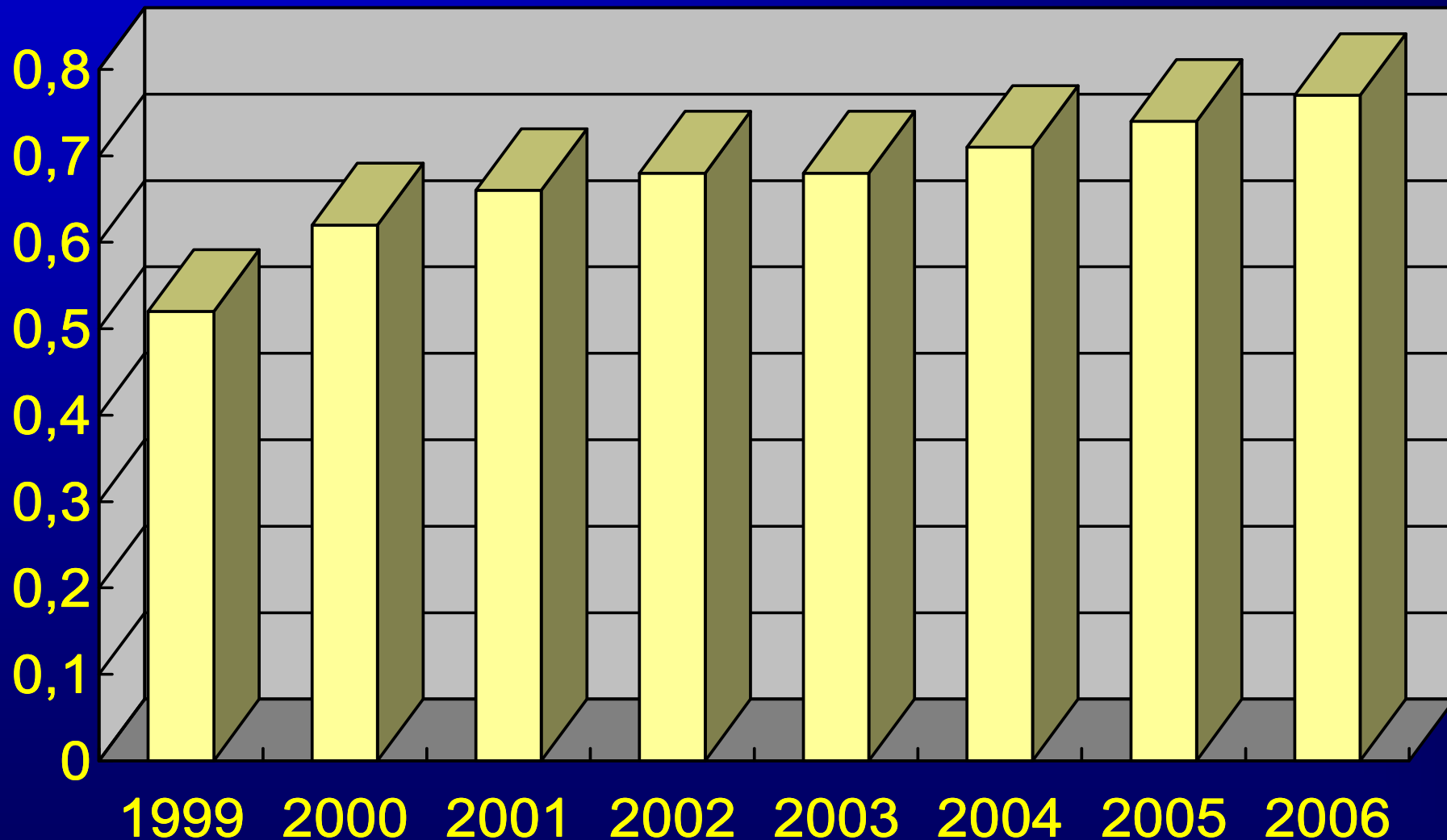
Annual amount of rabbit meat (ten thousand tons)



The amount of rabbit slaughtered in different provinces of China in 2007 (000)

Rank	Province	Slaughtered	Rank	Province	Slaughtered
1	Sichuan	174,984	17	Guangxi	2,510
2	Shandong	83,389.9	18	Shaanxi	2,128.3
3	Henan	39,922.3	19	Xinjiang	2 , 082.8
4	Hebei	30,259	20	Jilin	1 , 700
5	Jiangsu	28,499.1	21	Guizhou	1 , 097.5
6	Chongqing	19,928.8	22	Beijing	645.1
7	Fujian	15,284	23	Shanghai	623.2
8	Zhejiang	7,588.5	24	Hubei	615.7
9	Shanxi	4,886.9	25	Yunnan	454.7
10	Hunan	4,647.7	26	Gansu	329.6
11	Inner Mongolia	4,646.8	27	Tianjin	300.1
12	Liaoning	3,137.5	28	Hainan	221.7
13	Guangdong	2,823.5	29	Ningxia	118.6
14	Jiangxi	2,730.2	30	Qinghai	68.2
15	Anhui	2,675.6	31	Tibet	0
16	Heilongjiang	2,573.2			

Percentage of rabbit meat in whole meat production of China from 1999-2006

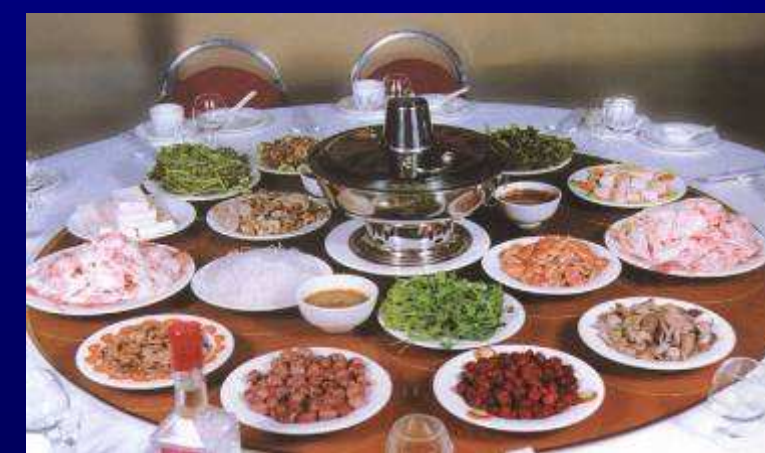




Average rabbit meat consumption
507 g/person in 2008



**Fresh rabbit
meat, rabbit
head and
frozen rabbit
meat**



**Cooked rabbit
meat**

rabbit meat barbecue



Cooked foreleg (spicy)





convenient food with flavor

[illegible]

Rabbit wool textile machine and product



各种工艺的毛线



woolen-spun yarn made of kinds of processing



各种毛纺织物面料



kinds of woolen-spun yarn fabric



高档家纺产品



first class home textile products





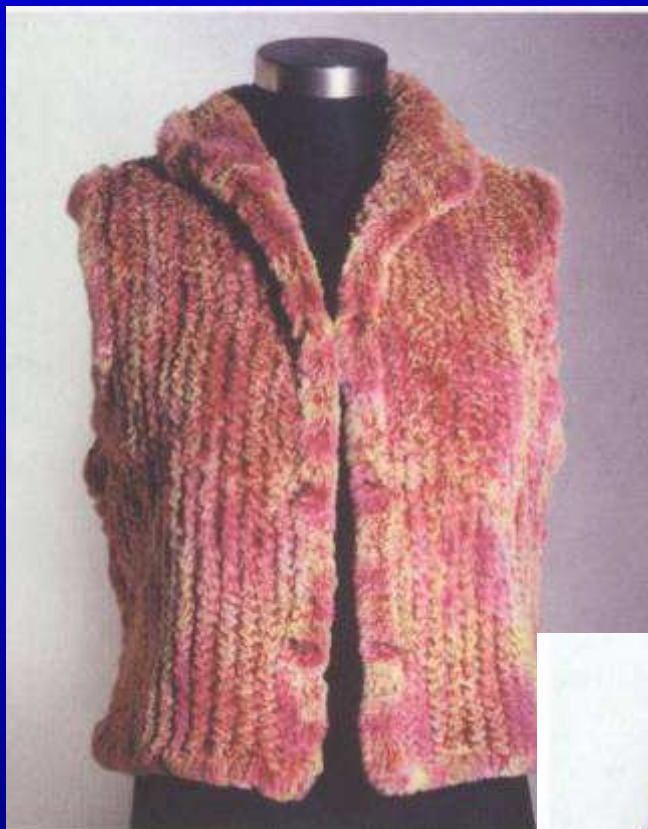
Rex rabbit fur product



Rex rabbit fur product



Rex rabbit fur product



Rabbit farm size in China

(Shandong Province in 2002)

Number of rabbit	Number of meat rabbit farms	Percentage	Number of Angola rabbit farms	Percentage
50 ~ 99	9960	80.98	29117	90.88
100 ~ 299	1522	12.37	2285	7.13
300 ~ 499	479	3.89	484	1.51
500 ~ 999	242	1.97	106	0.33
1000 ~ 2999	66	0.54	41	0.13
3000 ~ 4999	15	0.12	7	0.02
5000 ~ 9999	12	0.10		
10000 ~ 49999	4	0.03		
Total	12300	100	32040	100



Large scale rabbit farms



medium scale rabbit farms

Small scale rabbit farms



2. Rabbit Organization in China

2.1 Science Research

Sponsors in China

- Ministry of Agriculture
- Ministry of Science and Technology
- Local government

Science research unit in China

**University: teaching
and science research**

**China Agricultural
University**

**Shandong Agricultural
University**

**Hebei Agricultural
University**

**Sichuan Agricultural
University**

Yangzhou University

**Shenyang Agricultural
University**

Tianjin Industrial University

**Institute: science
research**

**Sichuan Academy of
Grassland Science**

**Jiangsu Agricultural
Academy of Science**

**Zhejiang Agricultural
Academy of Science**

**Sichuan Academy of
Animal Science**

**Shandong Agricultural
Academy of Science**

**Anhui Agricultural
Academy of Science**

Main project in recent years

- **2007-2010, The National Industry (Agriculture) Scientific Research Project-The Research and Demonstration of Technology for Efficient Rearing Meat Rabbit (3-52)**
- **2008— National Rabbit Industry Technology System(nycytx-44)**

Science Research field

Genetics and selection

genetic resource analysis of local rabbit

New breed or line breeding

Local rabbit



Selective rabbit breed



Nutrition

Effects of nutrient on nutrient utilization, production performance, relative blood traits and immunity in different period and for different breed (meat, wool, Rex rabbit)

Overcome the effect of mycotoxin on feedstuff quality

New raw feedstuff resource development

Relationship between nutrition and disease



Growth trial



Digestive metabolic trial



Slaughter trial



Molecular biology trial

Reproduction

Artificial insemination in countryside

Repeated mating after delivery

Synchronization methods

Cycle reproduction mode

All-in and all-out production mode

Heat stress effect on reproduction

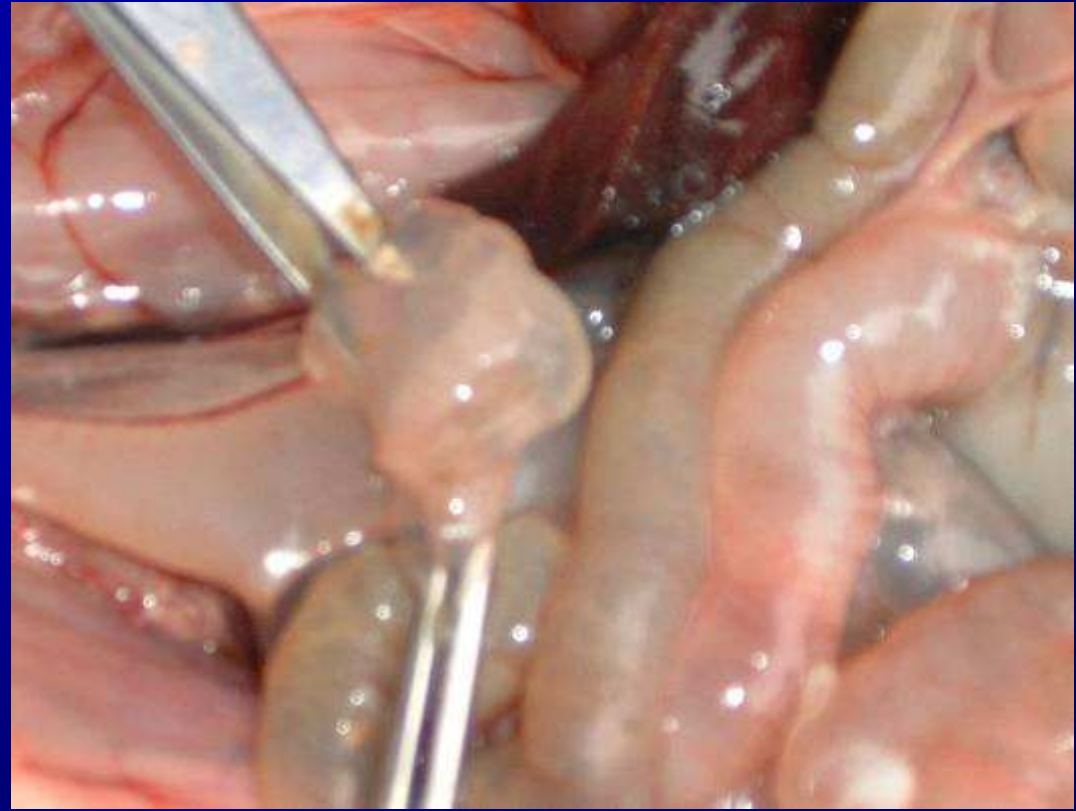
Disease control

Clostridium perfringens (Type A)

Rabbit haemorrhagic disease (RHD)

Rabbit epidemic meteorism disease

Signs of rabbit epidemic meteorism disease



Housing and environment

a. Rabbit house types in China



Greenhouse used by small farm



open sheds



open-front rabbit house



Closed rabbit house with plastic film as window sash





Closed Rabbit house with windows



open sheds with concrete cages





Heat supply





Heat supply



b. Developing water air-conditioner

Cooling in summer and supply heating in winter, integrated in one equipment;

Supply fresh air when house is closed;

-



Supply fresh air

2.2 Rabbit Organization

The rabbit branch of animal husbandry association of China

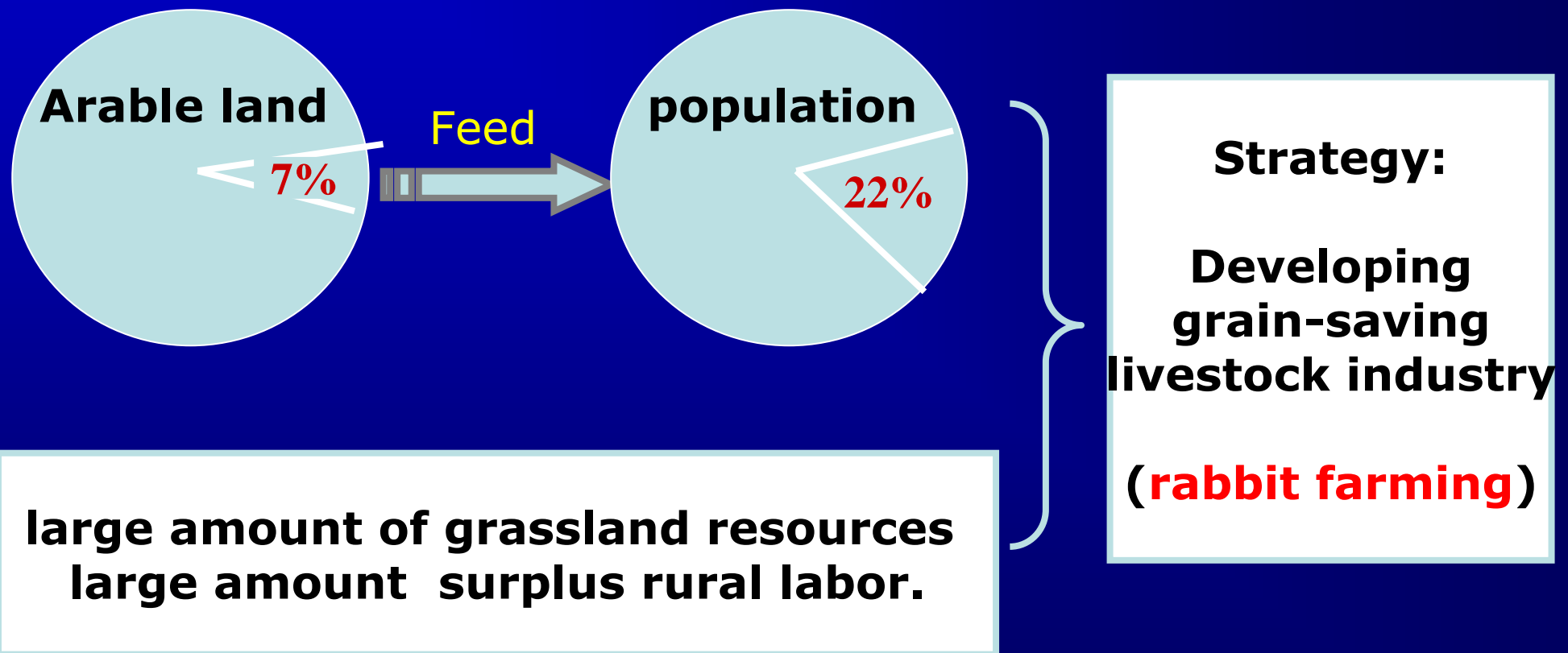
The expert committee

The rabbit profession committee of animal husbandry and veterinary science association of many province such as Shandong, Sichuan, Fujian, Hebei.

An organization contains many members of university, institute and farms.

3. Problems and Prospect

Reality and promotion for rabbit farming



promoting development of rabbit industry



conclusion

- Rabbit farms are turning from scattered small-scale individual ones into medium and large scale centralized ones, but the standardization level is still generally low.
- Lack of good meat and rex rabbit breed for normal farms
- Feedstuff quality control and raw material process
- High productive efficiency(reproduction and disease control)
- With fast development of Chinese economy, Chinese rabbit industry will has a bright future

Thank you!

