

Country Presentation

The People's Republic of China

Chinese Academy of Agricultural Sciences

Institute of Agricultural Economics and Development

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Concerning us

- Department of Food Economics
- Leader of department: Prof. Wang Jimin
- The Department established in 1981
- Have many international corporation partners
- Share our information and research results with our partners



Department of Food Economics

- Research Fields

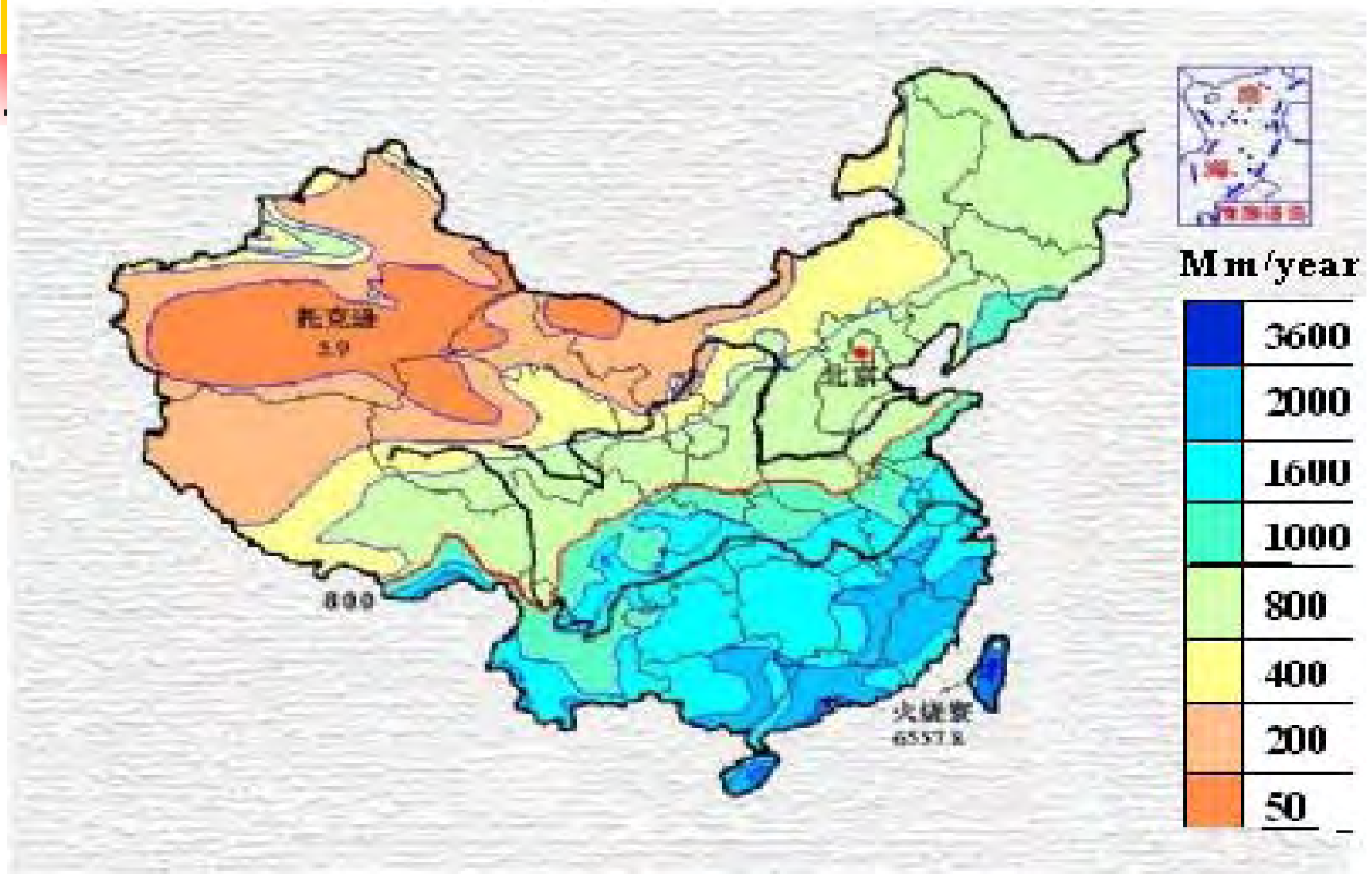
- Grain price and production research
- Food provisions , early warning and forecast
- Animal husbandry resources and the coordination of environment and production
- Agricultural development of strategic
- Analyzing Chinese food consumption and price fluctuation
- Providing policy consultation for MOA

Basic Geographical Situation of China

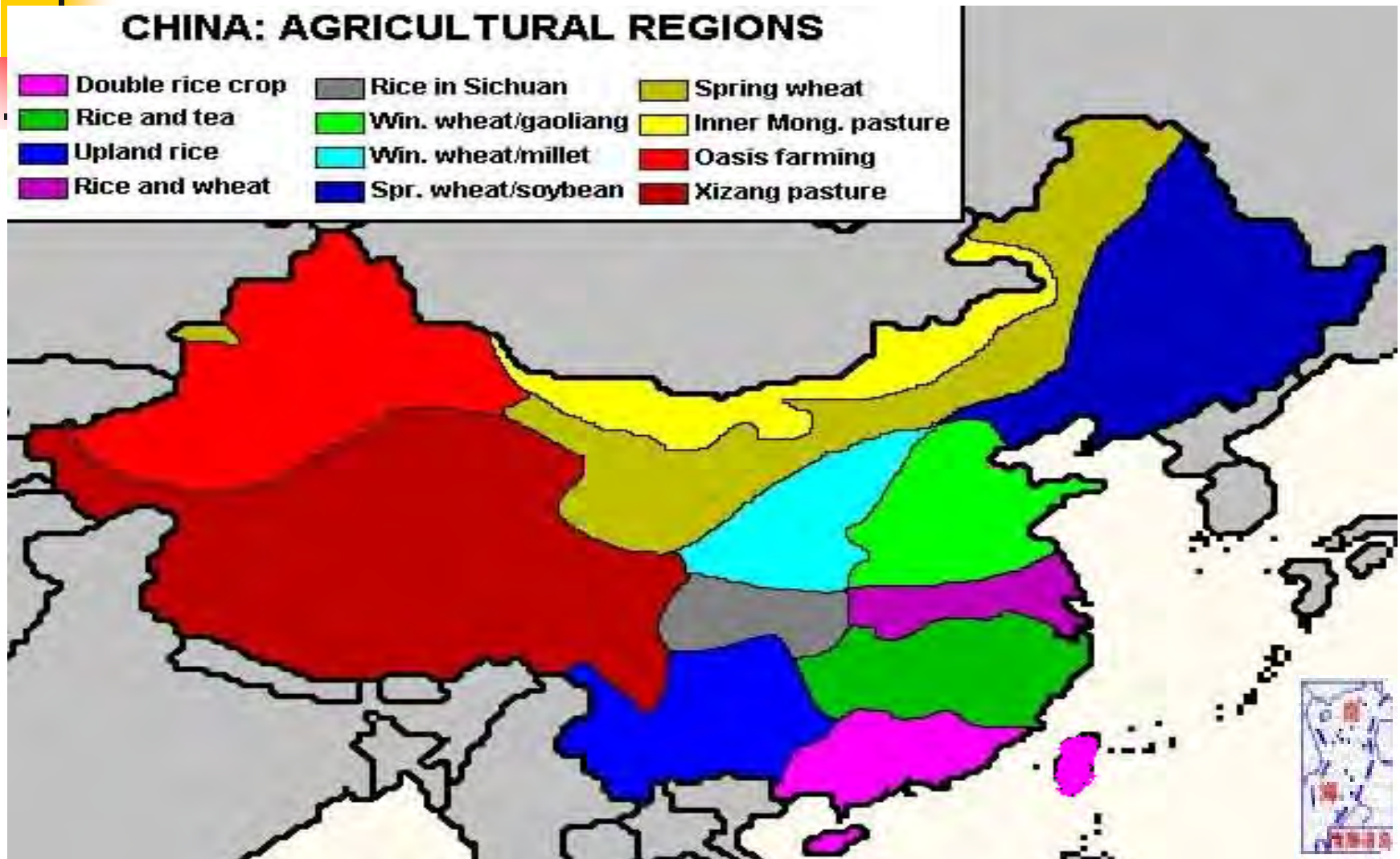


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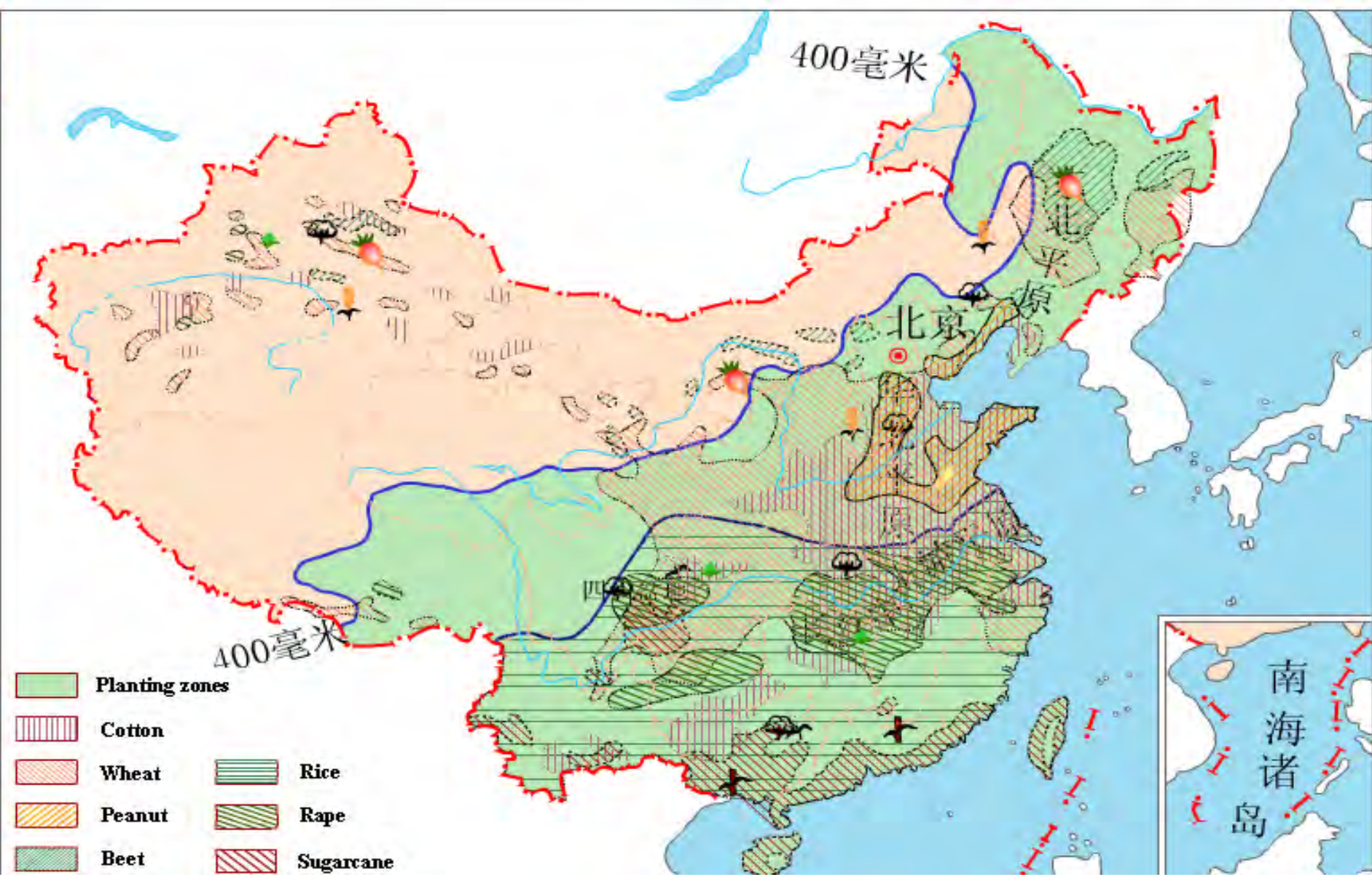
Rainfall Distribution of China



Agricultural Regions of China



China's major farming areas, Distribution of major crops





Basics about China - numbers

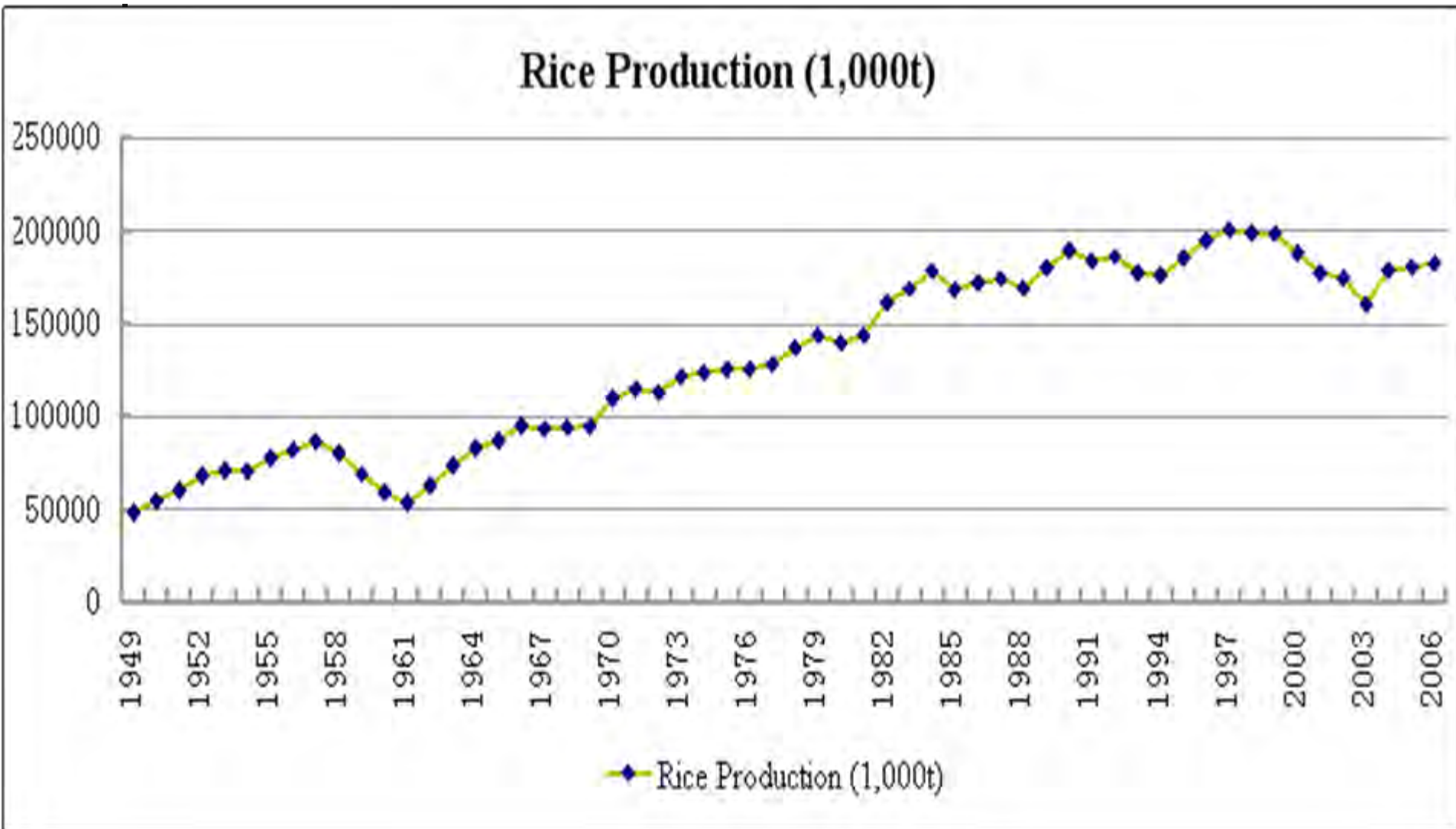
China	% of World
1307.56 million inhabitants	20.3
959.805 million ha land area	7.1
142.621 million ha arable land	10.2
0.109 ha per capita arable land	50.0
180.59 million ton rice production	29.2
97.45 million ton wheat production	15.5
139.37 million ton corn production	19.9
16.35 million ton soybean production	7.6
186.081 million ton legume production	26.1
14.342 million ton peanut production	40.0
13.052 million ton rapeseed production	27.7



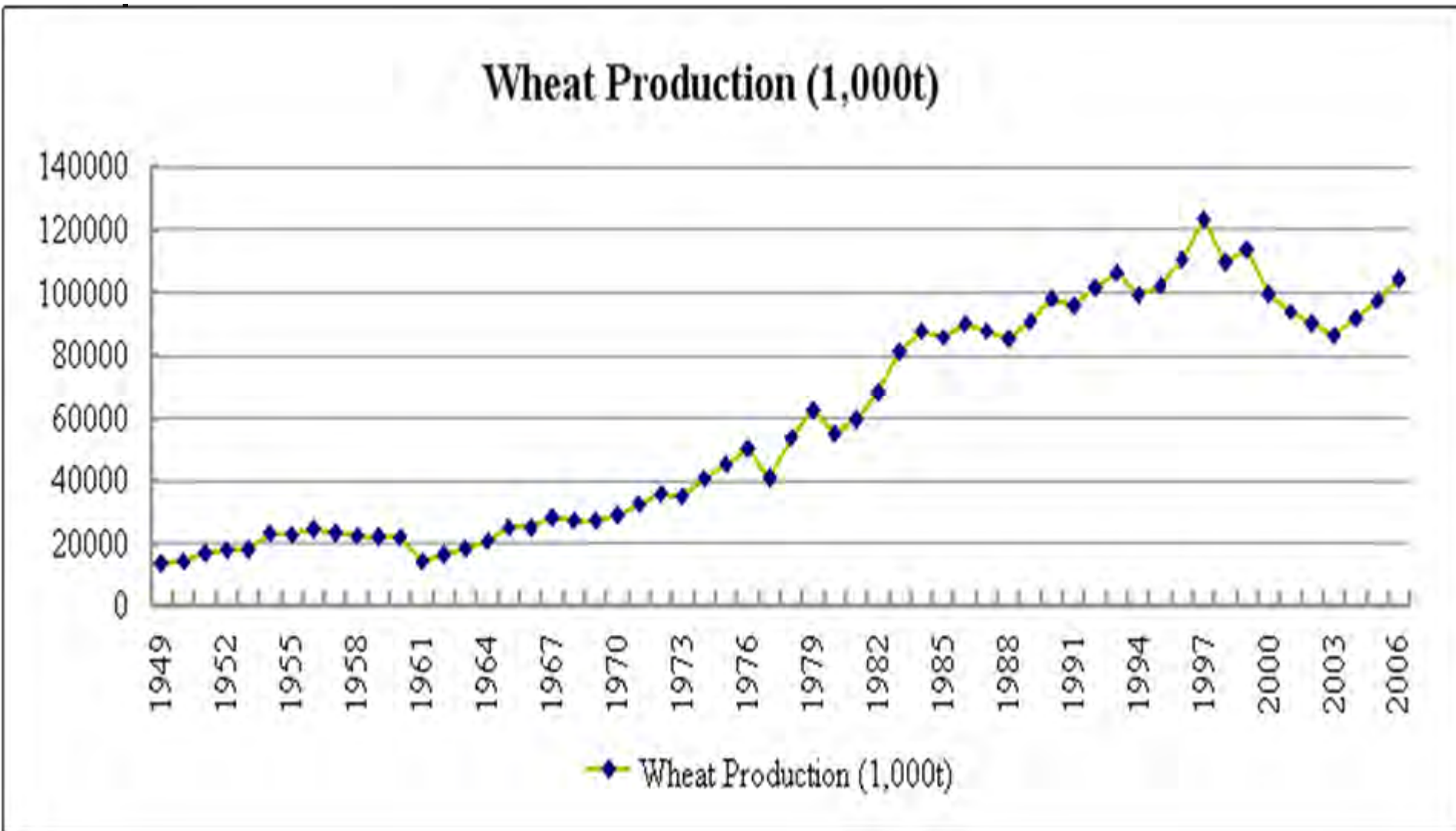
Chinese rural labors situation

The total rural labor (million)	531
Thereof Migrant workers (million)	132
Migrant workers of rural labor (%)	25
Age structure of rural labor (%)	
Under the age of 20	13
21-30 years old	17
31-40 years old	24
41-50 years old	21
51-year-old and above	25
Education of rural labor(%)	
Illiteracy	7
Primary	33
Junior High School	49
High School	10
College and above	1

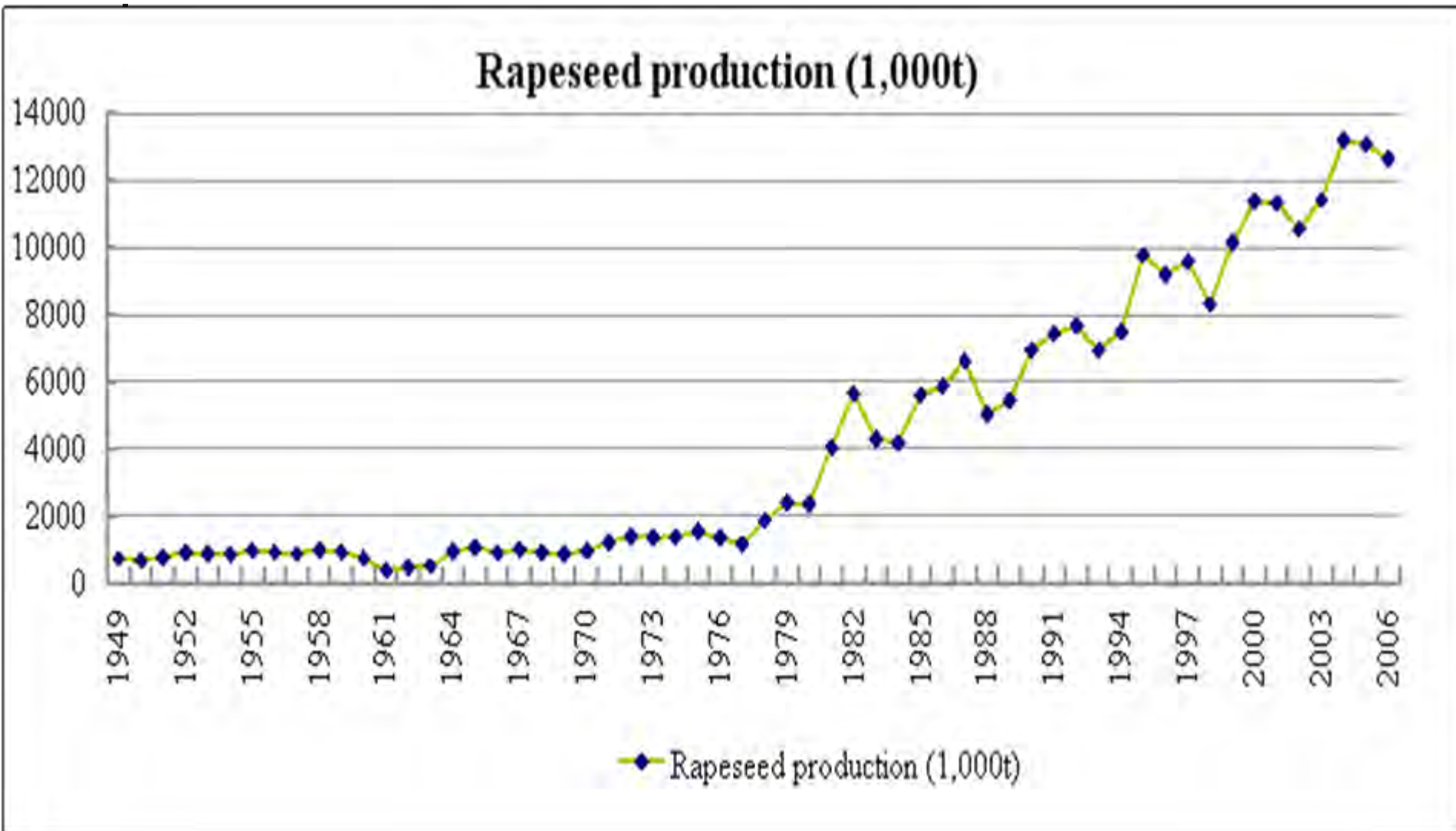
China' agriculture - production



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China' agriculture - production

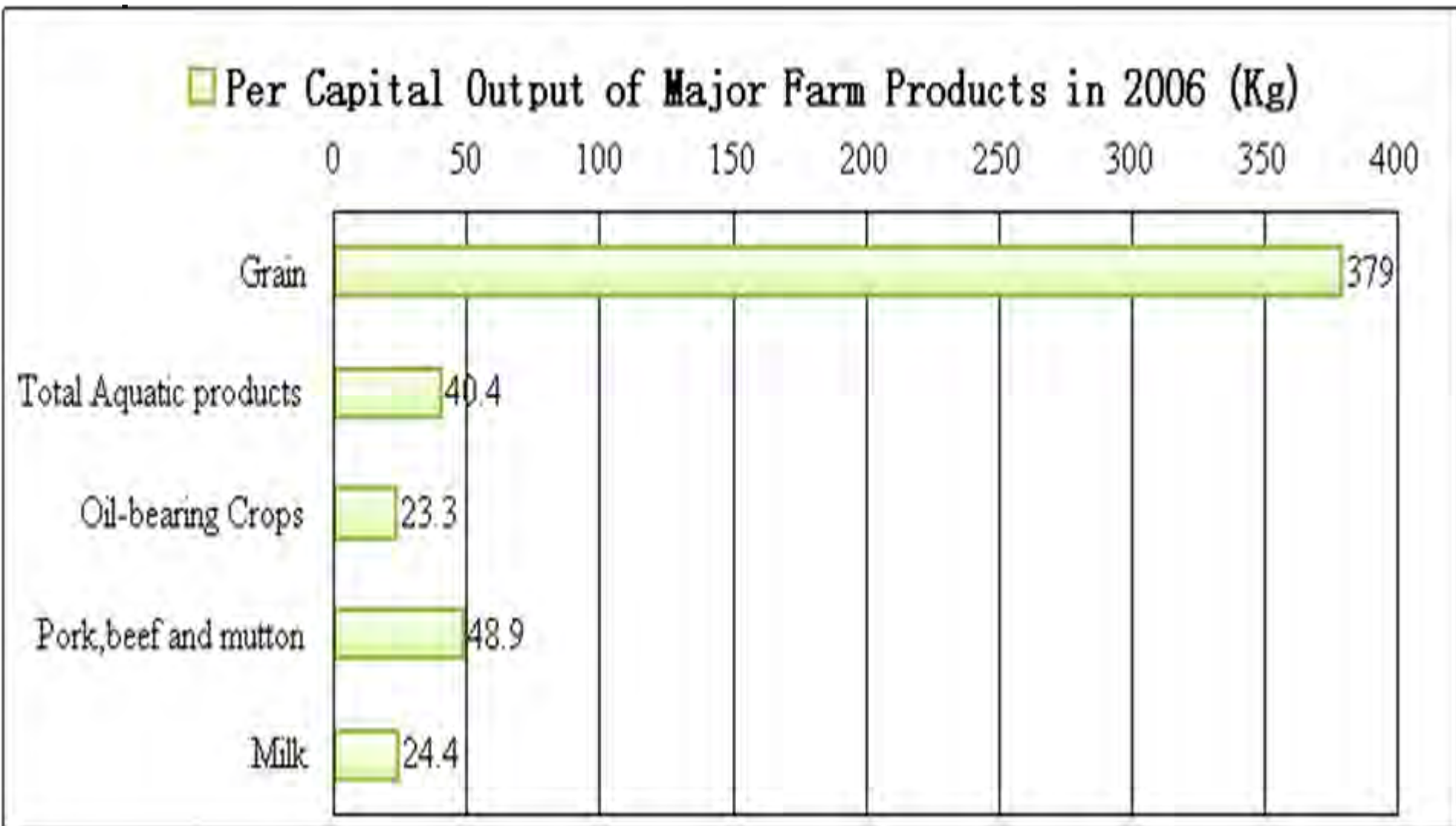




China' agriculture - price

Type	Price (CNY/Kg)	Type	Price (CNY/Kg)
maize	2.5	palm oil	10.4
soybean	6.5	salad oil	12.7
rapeseed oil	13.4	peanut	7.9
glutinous rice	3.8	peanut oil	20.2
rice	3.3	soybean oil	12
flour	2.5		

China' agriculture – Per Capital Output of Major Farm Products





Farmer Types

- Family Farms
- State Farms

Farmer Types - family farms



- 252.2 million family farms
- 0.55 ha per family farm
- Decentralized management
- Contract responsibility institution
- High production enthusiasm

Farmer Types - State farms



- 1896 state farms
- 3.293 million staff and workers
- Cultivated area 5.187 million ha
- Average: 2736 ha, 1737workers
- Larger - scale farming
- State property
- Reforms



Arable Farming District-Based - Yangtze River

Farmer size	0.2-0.6 ha
Main crop	Rice, Cotton, Oil-bearing crops, Wheat, Corn
Rice yield	5.5-7.5 ton/ha
Rapeseeds yield	1.1-2.4ton/ha
Wheat yield	3.3-5.4 ton/ha
Corn yield	3.8-6.5 ton/ha
Most profitable crops	Cotton, Oil-bearing crops
Soil quality	Red Soil , Yellow Brown Soil
Precipitation& Average temperature	1000-1900 mm/year; 10.6-19.9°C
Yield risk	Medium (flood)



Arable Farming District-Based -Yellow River

Farmer size	0.6-1.1 ha
Main crop	Cotton, Oil-bearing crops, Corn, Wheat, Sorghum, Millet
Wheat yield	1.6-5.2 ton/ha
Corn yield	3.7-5.2 ton/ha
Cotton yield	0.5-1.4 ton/ha
Most profitable crops	Cotton, Wheat
Soil quality	Cinnamon Soil, Loess
Precipitation& Average temperature	400-750 mm/year; 8-14°C
Yield risk	High (flood and drought)



Arable Farming District-Based

- Northeast Black Soil

Farmer size	0.8-1.5 ha
Main crop	Corn, Soybean , Rice
Wheat yield	2.8-3.7 ton/ha
Corn yield	4.7-6.5 ton/ha
Soybean yield	1.5-2.6 ton/ha
Rice yield	6.8-7.3 ton/ha
Most profitable crops	Soybean, Rice
Soil quality	Black Soil
Precipitation& Average temperature	800-1000 mm/year,3-6°C
Yield risk	Low



Typical Farm

- Totally different farm in different region
- Different forms of organization (average farm and state farm)
- Size: from 0.1 ha to 1800 ha (state farm)
- Machinery: from mini-tractors to modern large machinery

According to China's own characteristics and SOP, we define China's typical farm.



Typical Farm – CN0400YAR

Size	0.4 ha
Labor	3
Total Net Income	18,000(Yuan)
Agricultural Net Income	5,000(Yuan)
Crop Rotation	Rice-Wheat or oilseed rape
Yield (ton/ha)	Rice 6.5;Wheat 4.4;Rapeseeds 1.8
Tillage system	Rice: Irrigated and Plough; Others: Plough
Machinery	Pumps , Mini-Tractors and Mini-Harvesters



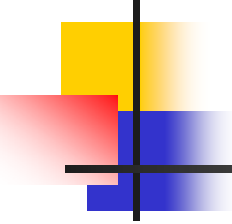
Typical Farm – CN0800YER

Size	0.8 ha
Labor	4
Total Net Income	16,000 Yuan/year
Agricultural Net Income	9,500 Yuan/year
Crop Rotation	Wheat-Corn
Yield (ton/ha)	Wheat:4;Corn:4.5
Tillage System	All Plough
Machinery	Renting Large Tillage equipment



Typical Farm – CN1200NBS

Size	1.2 ha
Labor	4
Total Net Income	18,000Yuan/year
Agricultural Net Income	12,000 Yuan/year
Crop rotation	Corn-fallow- Soybean-fallow-Rice one-year maturity
Yield (ton/ha)	Soybean 2.2, Rice 9, Corn 6
Tillage system	All Plough
Machinery	large tractors, harvesters, heavy tillage



Thank you very much.
Comments welcome!

Thank you for the support

Dr. Yelto Zimmer

Dr. Wang Jimin CAAS

Dr. Pu Hua CAAS