

Country Presentation

The People's Republic of China

Institute of Agricultural Economics and Development
Chinese Academy of Agricultural Sciences

Xiangdong Hu

9.5.2010

Basic Geographical Situation of China



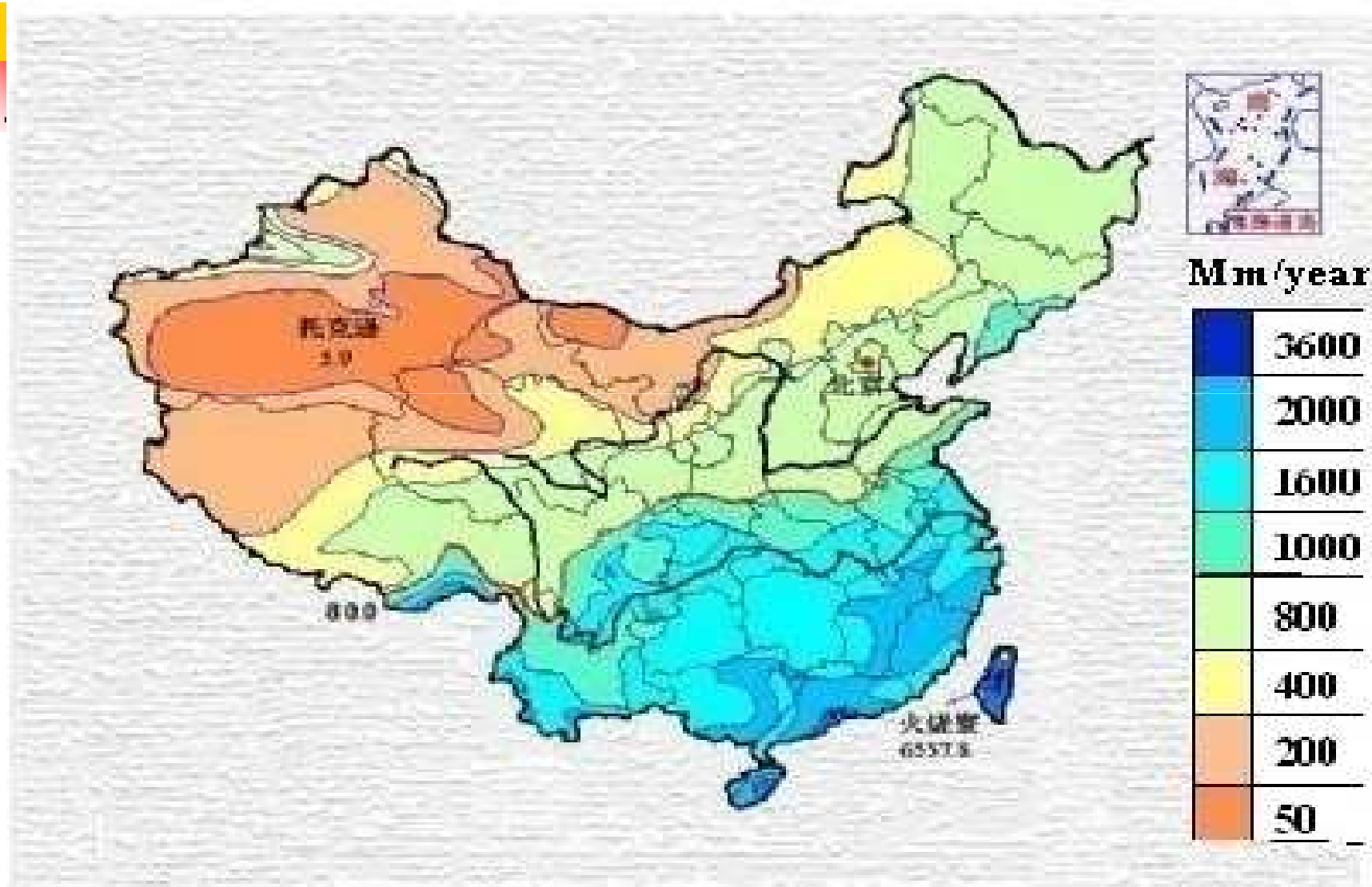
Source: <http://uemap.com>

Yangtze River

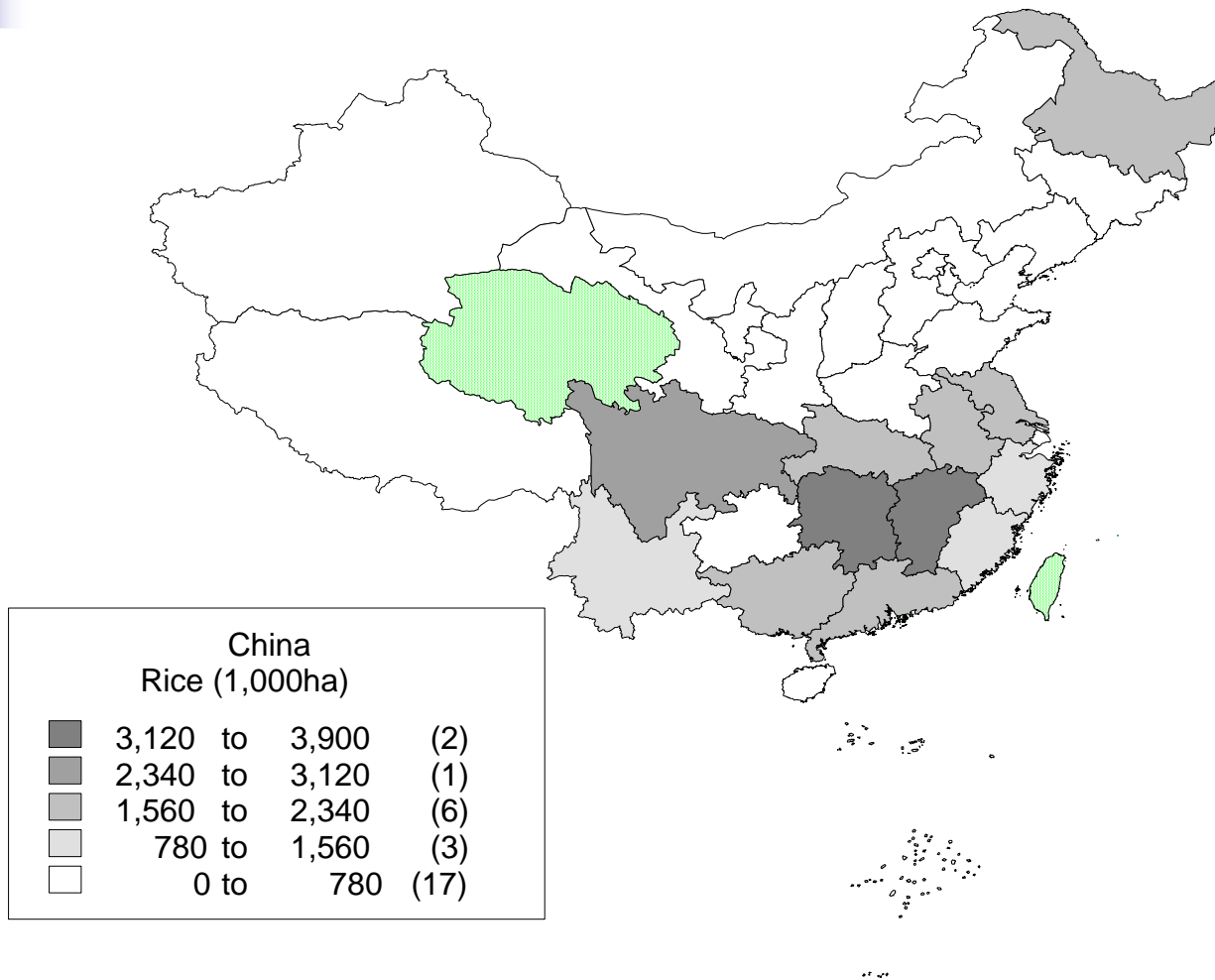
Northeast Black Soil

Yellow River

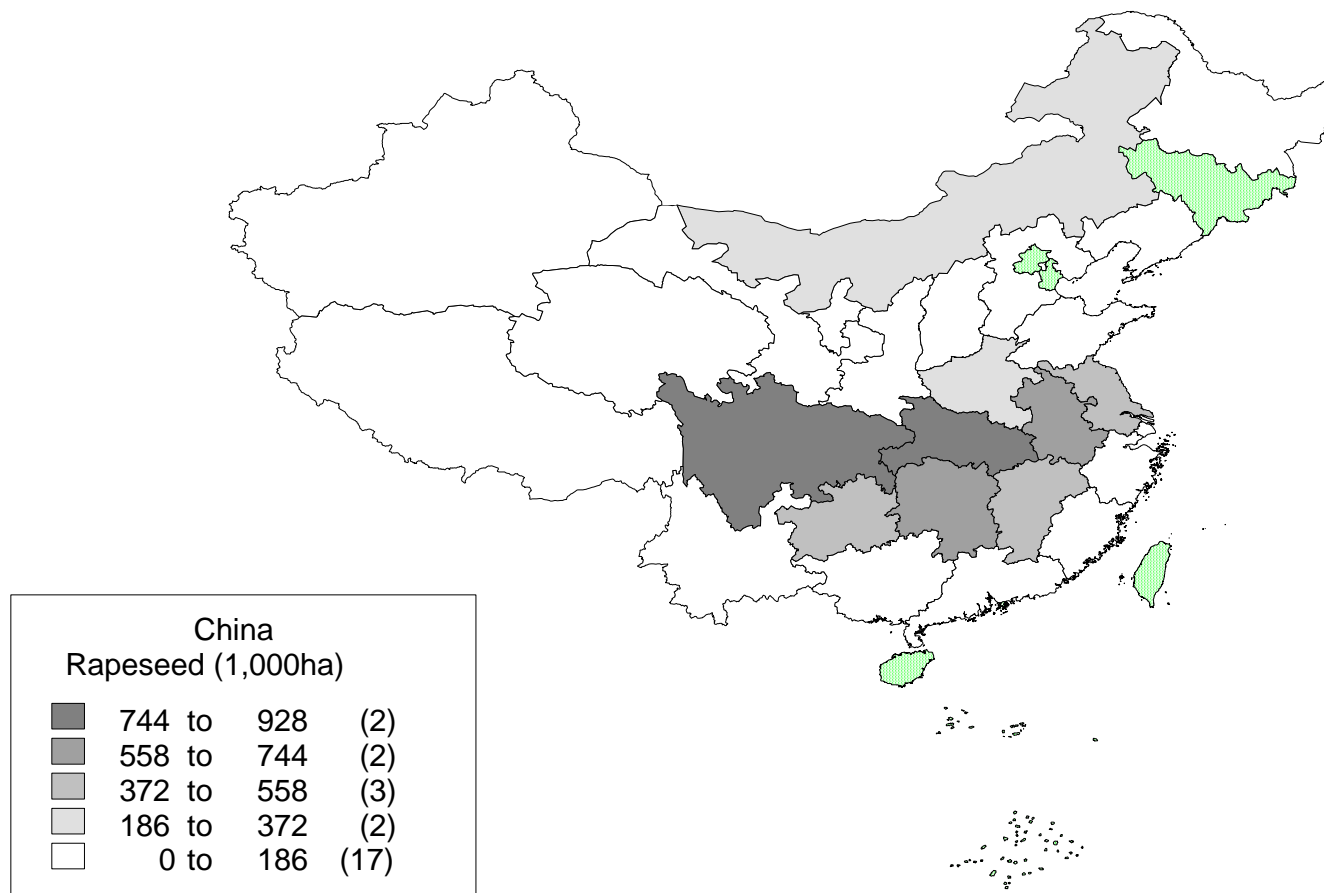
Rainfall Distribution of China



Sown Areas of main Farm Crops-Rice

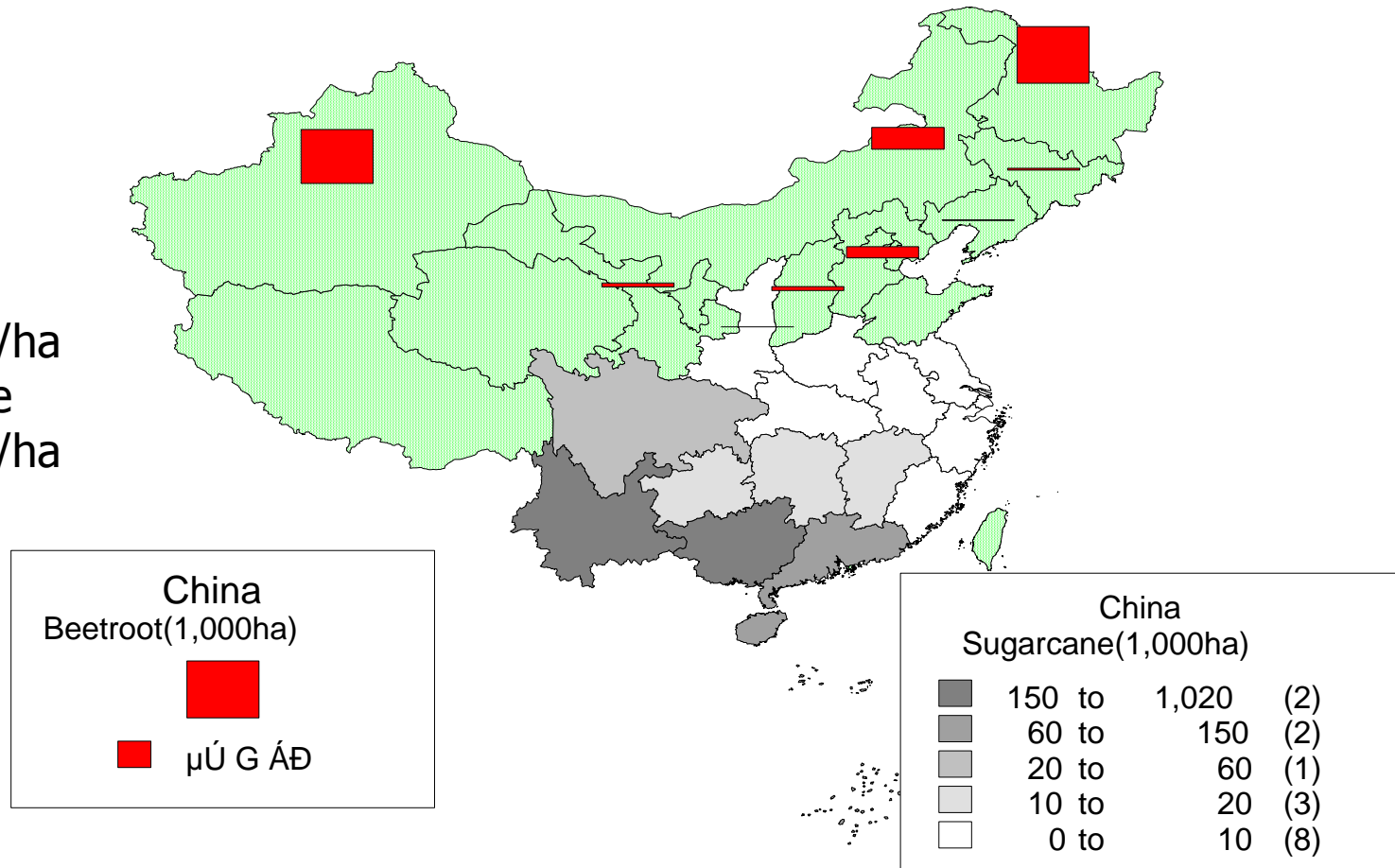


Sown Areas of main Farm Crops-Rapeseed



Sown Areas of Beetroot & Sugarcane

Beetroot
41.36 ton/ha
Sugarcane
71.23 ton/ha

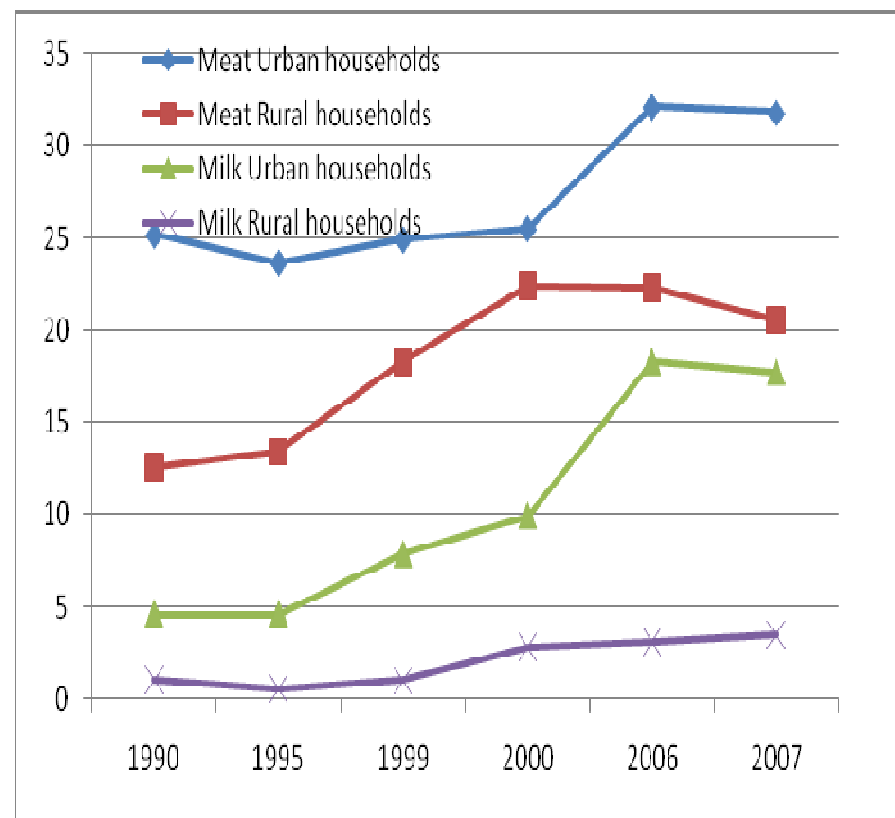
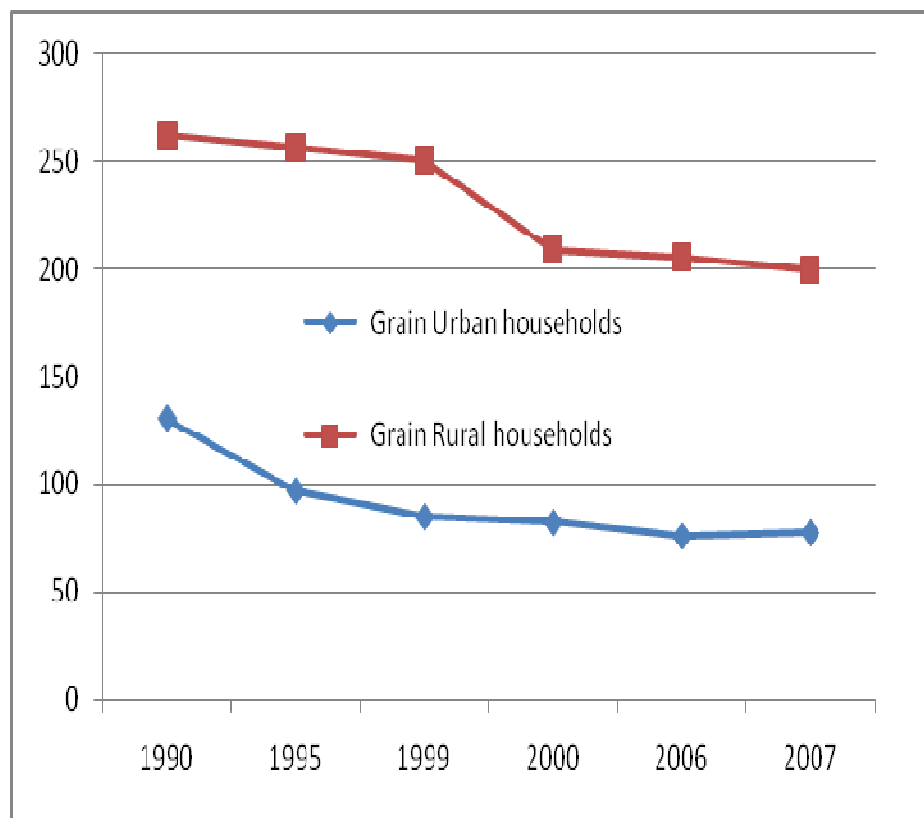


Basics about China – numbers & figures

China	% of World
1,3 billion inhabitants	20
960million ha land area	7
143 million ha arable land	10
0,11 ha per capita arable land	50
181 million ton rice production	29
97 million ton wheat production	15
139million ton corn production	20
16 million ton soybean production	8
186 million ton legume production	26
14 million ton peanut production	40
13 million ton rapeseed production	28

FAO data

Per Capita Annual Consumption of Major Commodities of Urban and Rural Households



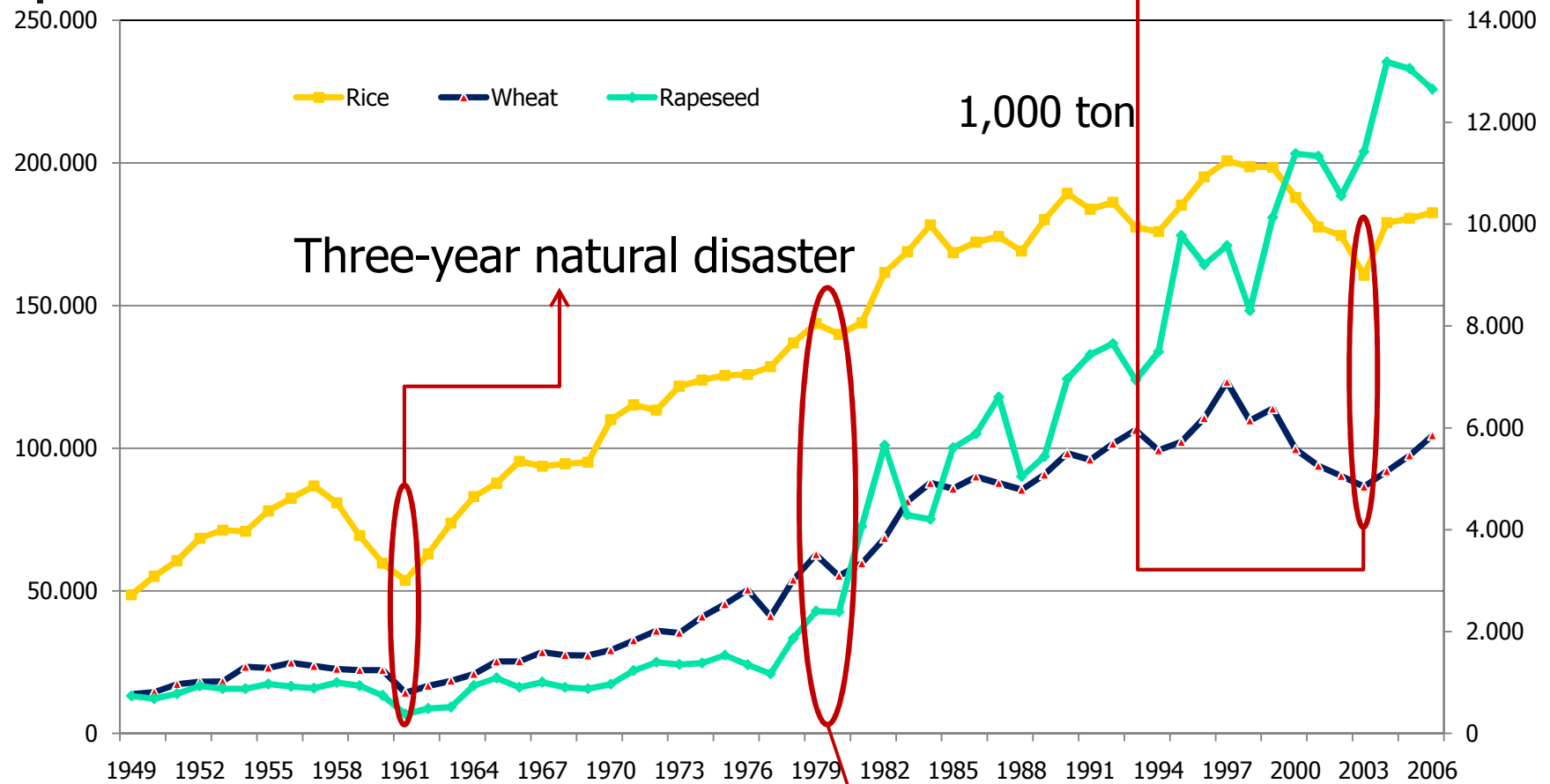


Chinese rural labors situation

The total rural labor (million)	531
Of which 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's agriculture - production

Reducing or remitting agricultural taxes

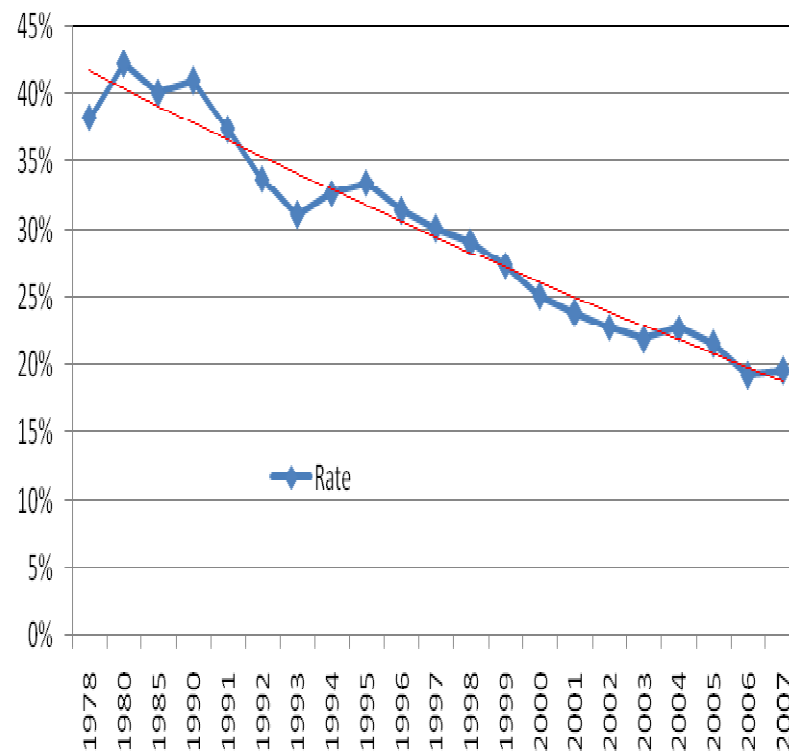
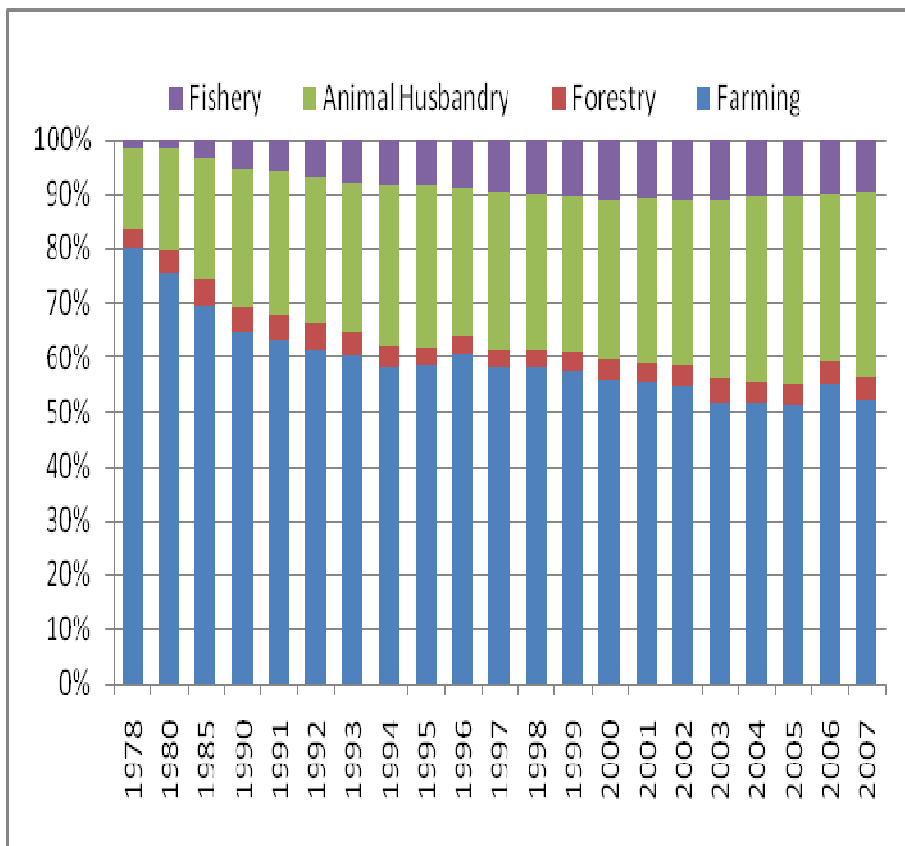


USDA Data

Household Responsibility system

China's agriculture

Rate=gross value of Fishery, Animal husbandry, Forestry and Farming/GDP





Type of farms

- Family Farms
- State Farms

Type of farms - family farms



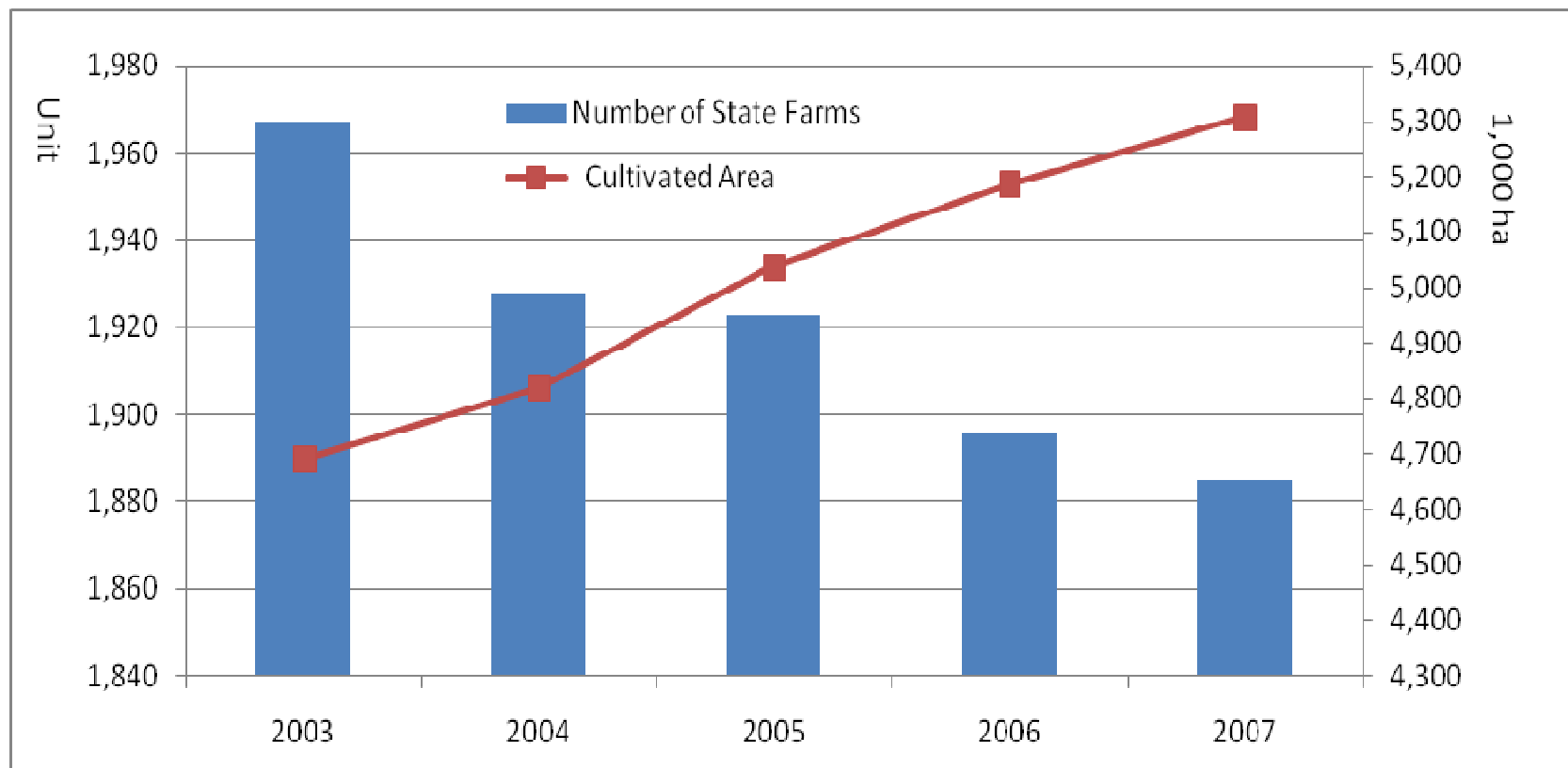
- 252.2 million family farms
- 0.55 ha per family farm
- Decentralized management
- Household Responsibility System

Type of farms - State farms



- About 1,885 state farms
- 3.3 million staff and workers
- Average: 2,816 ha cultivated area
- 1,751 workers
- State property & make decision
- Reforms

Type of farms - State farms





Typical Farm

- Totally different farm in different region
- Different forms of organization (family farm and state farm)
- Machinery: from mini-tractors to modern large machinery



Typical Farm – CN0400YAR

Size	0.4 ha
Labor	3
Total Income	2,600 USD/year
Agricultural Income	700 USD/year
Crop Rotation	rice- wheat or rapeseed & cotton-rapeseed
Yield (ton/ha)	rice 6.5; wheat 4.4; rapeseeds 1.8
Tillage system	rice: irrigated and plough; others: plough
Machinery	rent machine



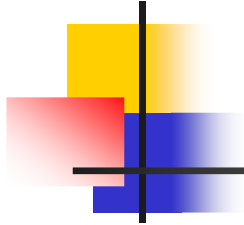
Typical Farm – CN0800YER

Size	0.8 ha
Labor	4
Total Income	about 2,300 USD/year
Agricultural Income	about 1,300 USD/year
Crop Rotation	wheat-corn
Yield (ton/ha)	wheat:4; corn:4.5
Tillage System	all plough
Machinery	rent machine



Typical Farm – CN1200NBS

Size	1.2 ha
Labor	4
Total Income	about 2,600 USD/year
Agricultural Income	about 1,700 USD/year
Crop rotation	corn-soybean-rice one-year maturity
Yield (ton/ha)	soybean 2.2, rice 9, corn 6
Tillage system	all plough
Machinery	rent machine



Thank you for your attention!

E-mail: xdhu20021@yahoo.com.cn

Office telephone number: +86-10-82106717

Mob: +86-13811614436

Thank you for the support

Dr. Jimin Wang CAAS

Dr. Yelto Zimmer vTI

Dr. Pu Hua CAAS



Arable Farming - Yangtze River

Farm 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



Arable Farming - Yellow River

Farm 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. Soil erosion
Precipitation& Average temperature	400-750 mm/year; 8-14°C



Arable Farming - Northeast Black Soil

Farm 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