



Graduate School of Chinese Academy of Agricultural Sciences







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**070601**

**M**

Meteorological resources and climate change



Meteorological disasters and mitigation

Greenhouse gas emissions and mitigation







**071003**

physiology

Animal nutritional physiology and growth

physiology

Animal propagation physiology and milking











**071005**

**M**

utilization Agricultural microbial resources and

Environmental microbiology

Agricultural microbial engineering

engineering

Microbial metabolism and enzyme







**071010**

**B**

**M**

**B**

Genomics and proteomics

Plant molecular biology and genetic

engineering

engineering

Animal molecular biology and gene

gene engineering

Microbial molecular biology and









**071011**

**B**











**0710 1**

**B**

Bioinformation integration and modeling

Biomolecule interaction and regulatory

network









**0713 1**

**W**

Agricultural environmental ecology

Management of agroecosystem









**0713 2**

**A**

**E**

**E**

Agricultural eco-engineering

Protected agriculture environment engineering

## Ecological engineering for pollution control











in agricultural sector

Greenhouse gas emissions and mitigation







**0713 4**

**A**

**D**

Agro-resources management

Agro-regional development

## Agro-regional planning









**082801**

**A**

**M**

**E**

equipment

Engineering technology of agricultural

application technology

Equipment for plant protection and pesticide

resources utilization

Engineering technology of agricultural

engineering

Agricultural mechanical management







**082802**

**A - E**

utilization

Crop water physiology and efficient water

Water-saving irrigation

agriculture

Water resource and environment for

Drainage theory and new technology









**082803**

**A**

**B**

**8**

Biogas engineering

Biomass energy engineering

New energy development and evaluation









**083001**

**E**

Environmental pollution and remediation

Environmental monitoring and assessment

Environmental planning and management









**083002**

**E**

**E**

Treatment technology for rural wastes

protected agriculture

Environment control technology for

environment

Information technology for resource and











Food quality and safety

Food biotechnology and fermentation

engineering







**083202**

**C**

,

**E**

Cereal chemistry and engineering

Oil chemistry and engineering

Protein chemistry and engineering





SAS





**083203**

**A**

storage

Theory and technology of agro-products

processing

Theory and technology of agro-products

processing

Theory and technology of animal products











**0832 1**

**A**

**E**

food processing

Technology and equipment for traditional

crops processing

Technology and equipment for special







**090101**

**C C**

Crop cultivation

Crop physiology and ecology

Farming system and agroecology









**090102**

**C G B**

and genetics Theory and methodology of crop breeding

heterosis Mechanisms and utilization of crop

Molecular breeding

Seed science









**0901 1**

**C G**

cultivated crops

Genetic diversity, origin and evolution of

resources

Conservation biology of crop germplasm

Germplasm evaluation and enhancement

Gene discovery and functional validation







**0901 2**

**A -**

**F**

Agro-food quality and safety

technology

Agro-product standard and testing

processing and storage

Safety Control for agro-product









**0901 3**

**M**

Medicinal plant resources

Medicinal plant breeding

Medicinal plant cultivation

Evaluation and Utilization of Chinese

Medicinal Materials







**0901 4**

**A -**

Cereal and oil processing

Fruit and vegetable processing

Livestock & Poultry products processing



## Special agro-products processing







**0901 5**

**A**

**M**

**E**

and machinery

Interactive mechanism among crop, soil

Information  
acquisition of crop growth environment and engineering technology of disease,  
pest and weed control

machinery and conservation tillage technology

Crop field operation

design and intelligent control technology

Agricultural equipment digital









**090201**

Fruit tree germplasm resources

Fruit tree genetics and breeding

fruit trees

Physiology and management technology of

Storage and quality control of fruits







# 090202

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1937

12

1930

1936

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90

Vegetable germplasm resources

Vegetable genetics and breeding

vegetable cultivation



**3**

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**090203**

Tea germplasm and breeding

Tea cultivation physiology and ecology

Tea processing and quality control









**0902 1**

**H**

breeding of ornamental plant

Germplasm resources, genetics and

plant

Cultivation and physiology of ornamental

ornamental plant

Postharvest physiology and technique of

Landscape ecology and architecture design









**090301**

Soil fertility improvement and amelioration

Soil resource and management

Soil ecology and remediation









**090302**

Plant nutrient biology

Nutrient cycling

Nutrient management

Fertilizer technology









**0903 1**

**A**

**E**

Soil water and nutrient management

Dry-land farming







**090322**

**A**

Quantitative remote sensing for agriculture

Remote sensing for agriculture condition

Remote sensing for agricultural resources

Remote sensing for agricultural disaster

Spatial information for agriculture









**0903 3**

**A**

**E**

environment

Monitoring and evaluation on agricultural

environment

Pollution and remediation of agricultural

Agricultural waste treatment and utilization







**090401**



Genetics of plant disease resistance

Quarantine and control of plant diseases

SAS





**090402**

**A**

**E**

**C**

Insect toxicology

Insect behavioral biology

Pest control









**090403**

Pesticide chemistry and natural substances

Pesticide toxicology

Pesticide application

Pesticide residue and environment

toxicology







**0904 1**

Weed biology and ecology

Mechanisms of weed infestation

Weed management

Seminar









**0904 2**

**I B**

Invasive mechanism of exotic species

Prevention and management of invasive

species

## Quarantine of invasive species











of GMO

Risk management and communication







**0904 4**

**B**

**C**

Biological control of insect pests

ol











**090501**

**A G , B**

Animal germplasm resources

DNA

Animal genetics and breeding

DNA RNA

Animal reproduction

Animal gene and cell engineering

DNA







**090502**

**A**

**F**



## Mono-gastric nutrition and feed science







**090504**

**A**

**, H , .**

Rearing of special animals

Disease and pest control of special

animals

Products processing and

utilization, safety evaluation of special animals



















**090601**

**B**

Veterinary pharmacology and toxicology

Veterinary pathology and physiology

Veterinary pathogenic organisms

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**090602**

infectious diseases

Etiology and epidemiology for Animal

biology

Veterinary microbiology and molecular

immunology

Animal vaccinology and molecular

health

Zoonosis and veterinary public

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**090603**

**C**

Veterinary medicine

Veterinary clinical diagnostics

Veterinary surgery

Veterinary obstetrics

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15

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**0906 1**

**C**

medicine Basic theory of traditional Chinese veterinary

veterinary medicine Acupuncture and moxibustion of traditional Chinese

veterinary medicine Diagnostics and therapeutics of traditional Chinese

Traditional Chinese veterinary materia medica

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**0906 2**

Pharmaceutical chemistry

veterinary drug safety evaluator

Veterinary pharmaceutical and

-

## Natural medicinal chemistry

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**090705**

**C**

germplasm resources

The protection and breeding of wildlife



Wildlife nutrition and feed science

Wildlife disease prevention and control

Wildlife cultivation, genetics  
and breeding, disease and pest control

Wildlife product processing







**0909 1**

**C**

**G**

Grassland resources

Grassland ecology

Grassland disaster

Utilization and conservation of grassland









**0909 2**

**F G , B**

Forage germplasm resources

Forage genetics and breeding

Forage seed science







**0909 3**

Forage cultivation and management

Forage processing and storage

Forage ecology and physiology

Forage utilization and conversion









**1201**

**M**

**E**

Multimedia technology application in

agriculture









**120301**

**A E & M**

Agricultural economic theory and policy

Food safety and development

Rural finance and insurance

Regional development and poverty alleviation







**1203 1**

**A**

**E**

**E**

Agricultural resources management

Rural energy economics

Climate change and low-carbon agriculture

STATA







**1203 2**

**I**

**A**

International trade theory and policy

Agricultural market and circulation

Agricultural trade and environment

Foreign agricultural economy

Seminar

3.0

2.0

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3.0

2.0

3.0

2.0

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**1203 3**

**A - E**



Agricultural science and technology policy

Technical innovation and management

Evaluation on the development of modern

agriculture







**1203 4**

**A**

**I**

**M**

Information resources management

## Information organization and utilization

Digital I









**1203 5**

**I E**

Crop economy

Animal economy

Industrial organization and supply chain

management

management

Corporate governance and financial







**1203 6**

**A**

**I**

**A**

Food safety analysis

Agricultural risk analysis

Agricultural market information analysis

## Agricultural monitoring and early-warning









**120502**

**I**

Information resources management

Competitive intelligence

Digital library









**99J1**

**I**

**D**

**A**

Animal informatics

production management

Digital technology of agricultural





