

中国著名科研院所

**A Guide to
Major Sci-Tech
Institutions of
China**

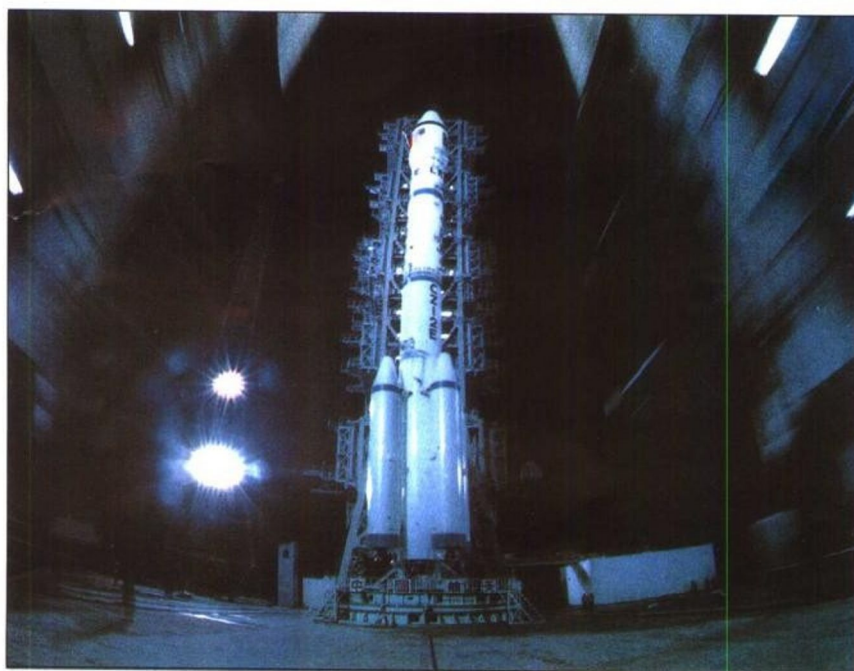
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《中國著名科研院所》叢書編輯委員會

中國著名科研院所

A Guide to Major Sci-Tech Institutions of China



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A Guide to Major Sci-Tech Institutions of China

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任何國家和民族都有權利用世界科學技術的成就為自己的人民造福……

*Every country or nation has the right to utilize the achievements of
the world's science and technology for the benefits of its people ...*

中国著名科研院所

宋健

The title of the book in Chinese is written by Mr. Song Jian,
State Councilor and Chairman of SSTC, P.R.C.

本書書名由中華人民共和國國務委員、國家科委主任宋健題簽

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農、林、牧、漁

Agriculture. Forestry. Animal Husbandry and Fishery

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The Agricultural Research Institute of Qiandongnan Autonomous Prefecture of the Miao Nationality and Dong Nationality of Guizhou Province(ARIQG)	Kaili City, Guizhou Province	556000	(86-855)23842
Jiangxi Province's Ganzhou Animal Husbandry Research Institute	Tankou Town, Nankang County, Jiangxi Province	341401	(86-7089)22909



“京花1號”小麥
Wheat “Jinghua 1”

北京市農林科學院

北京市農林科學院始建於1958年，隸屬北京市政府，現任院長董克勤。

它位於北京西郊板井村，西倚北京西山，東臨京密運河，環境優雅，交通便利。

全院現設有作物研究所、北京蔬菜研究中心、林業果樹研究所、畜牧獸醫研究所、植物保護和農業環境保護研究所、土壤肥料研究所、農業綜合發展研究所、北京市植物細胞工程實驗室、農業科技情報所和北京市農林牧科技開發中心等10個單位。現有職工1386人，其中高級研究人員162人，中級研究人員286人。全院佔地面積118公頃，包括試驗地72公頃；科研、辦公和生活用房13.3萬平方米；固定資產8803萬元；萬元以上儀器設備360臺件。它已建成一批在國內具有先進水平的植物細胞工程、營養生理、種子檢測、計算機應用等實驗室或中心以及現代化玻璃溫室和中試車間。

該院面向北京和國內外大市場，實行科研、開發一體化，形成了科研立項、成果驗收、成果轉化開發的良性循環。它根據市場需求確定研究內容和目標，每年進行100多項課題研究，其中攻關、重點課題佔60%以上。它開展作物、蔬菜、林果新品種選育和高產優質栽培技術，植物營養生

理，植物保護，土壤改良，合理施肥，農業環境保護，採後精加工等方面的研究；畜、禽、蜜蜂新品種選育，飼料營養與標準，飼料工藝和畜禽疫苗綜合防治技術的研究；農業發展戰略，生物技術和計算機在農業上應用的研究。同時，它大力加強科技示範推廣和科技開發工作，通過示範基地、中試車間、區域綜合開發、科研生產聯合體、自辦經濟實體、技術轉讓、技術諮詢和技術服務等形式，把科學技術、科研成果轉化為生產力。

自1975年以來，該院共取得500多項科研成果，其中獲國家級科研成果獎20項，部、市級科研成果獎197項。一些研究項目取得了突破性進

展，已達到國際先進水平。

該院與全國各省、市、自治區農業科研單位建立了廣泛的聯繫，同時積極開展國際農業科技交流與合作，先後與美國、日本、英國等20多個國家和地區的農業科研、教學、生產部門建立了合作關係，並開展了多項協作研究和學術交流活動。

“京欣1號”西瓜
Watermelon “Jingxin 1”





油桃新品系

New nectarine strains

Beijing Academy of Agriculture and Forestry Sciences

Beijing Academy of Agriculture and Forestry Sciences, founded in 1958, is under the leadership of Beijing Municipal Government.

Under the academy there are ten subordinate organizations: Institute of Crop Sciences, Beijing Vegetable Research Centre, Institute of Forestry and Pomology, Institute of Animal Husbandry and Veterinary Sciences, Institute of Plant and Environment Protection, Institute of Soil and Fertilizer Sciences, Institute of Integrated Development of Agriculture, Institute of Information on Science and Technology of Agriculture, Beijing Plant Cell Bioengineering Laboratory, Beijing Development Centre of Agriculture-Forestry-Animal Husbandry Sciences and Technology. The academy now has a staff of 1,386, including 162 research fellows and associate research fellows, and 286 intermediate research personnel. The academy occupies an area of 118 hectares, including 72 hectares of experimentation fields. Today it has a fixed assets worth 88.03 million Yuan, including 360 instruments and other equipment individually valued at 10,000 Yuan or higher. In addition, the academy has established a series of laboratories and centres

for different specialities with various research capabilities.

The academy is geared to the needs of the Beijing market and markets both at home and abroad. It sets the objectives and tasks of the scientific research projects according to the market requirements. The academy undertakes more than 100 research projects each year, of which 60 percent are key projects. The research work covers a wide range of subjects. The academy also carries out the research into new breeds of domestic animals, poultry and bees, feed nutrition and quality control, feeding techniques and

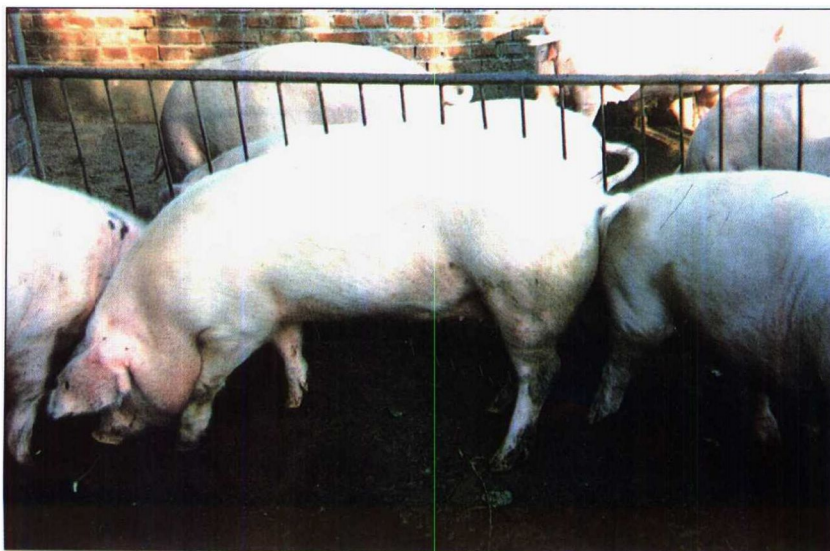
comprehensive prevention and control of epidemic diseases. It is also undertaking research on strategies for agricultural development and the application of biological technology and computers in agriculture. At the same time, it plans to effectively popularize exemplary scientific and technological achievements and open up new areas in scientific and technological research.

Since 1975, 500 scientific research projects have achieved fruition in the academy: 20 of them received state scientific and technological awards and additional 197 received scientific research awards given by ministries or municipalities.

The academy has established friendly relations with agros-scientific research and production departments in more than 20 countries and regions throughout the world, including the United States, Britain, Japan, Canada, Australia and Korea. It has been active in developing agricultural scientific and technological exchanges and cooperation with other countries and in sponsoring and participating in many cooperative research projects and academic exchange activities.

商品瘦肉猪

Lean meat type commercial pig



天津市農業科學院

天津市農業科學院建于1979年，隸屬天津市政府。該院下設蔬菜研究所、黃瓜研究所、農作物研究所、林業果樹研究所、畜牧獸醫研究所、土壤肥料研究所、植物保護研究所、農業區劃研究所、中心實驗室、情報資料室，分別從事蔬菜、黃瓜、農作物、林業、果樹、畜牧獸醫、土壤肥料、植物保護、農業區劃、科技情報等方面的研究，而且設有中心實驗室和技術開發實業公司。天津市農業生物技術研究中心也設在院內。全院現有職工700餘人，科技人員450人，其中高級專業技術人員110人。該院在遺傳育種、作物栽培、果蔬保鮮加工和生物技術應用研究領域具有優勢。

建院以來，該院共取得150項科研新成果，育成64個農作物新品種。“津研”、“津雜”號黃瓜系列新品種，天津大白菜新品種“津青9號”，小站稻新品種“津稻1187”等成果分獲國家發明獎和市科技進步獎；“馬鈴薯脫毒微型種薯生產技術”獲國家專利；該院開發的果品加工新產品“中國果茶”屬國內首創。

該院堅持科技為經濟建設服務的方向。該院開發的黃瓜、菜花、水稻良種、馬鈴薯微型種薯和果品加工技術已在全國推廣應用，並取得了顯著的社會和經濟效益。

用高壓液相色譜儀檢測農作物中的氨基酸
Detection of amino acid in crops with a high pressure liquid chromatography

Tianjin Academy of Agricultural Sciences

Tianjin Academy of Agricultural Sciences was set up in 1979, which is subordinate to Tianjin government.

The Academy has the following research Institutes: Cucumber, Vegetables, Crops, Forestry and Pomiculture, Animal and Veterinary, Soil and Fertilizer, Plant Protection, Agricultural Regional Planning, Sciences and Technology Information, and Central Laboratory and Technology Company. The Agricultural Biological Research Center of Tianjin is also in the Academy. It has more than 700 staff workers, including 450 scientific personnel, among whom, 110 are senior researchers. The Academy has the strong technical abilities and qualified personnel in the fields of genetic breeding, crop cultivation, fruits and vegetable freshening and processing and the utilization of biotechnology.

Since its founding, the Academy has obtained 150 research achievements, and bred 64 new crops varieties. The new varieties are: Jinyan, Jinza cucumber varieties; Tianjin new Chinese Cabbage variety of Jinqing No 9, Xiaozhan rice new varieties such as Jindao 1187. These varieties have won the state invention prizes and the S & T progress prizes awarded by the municipal government. Minipotato Virus-free and Production Tech-

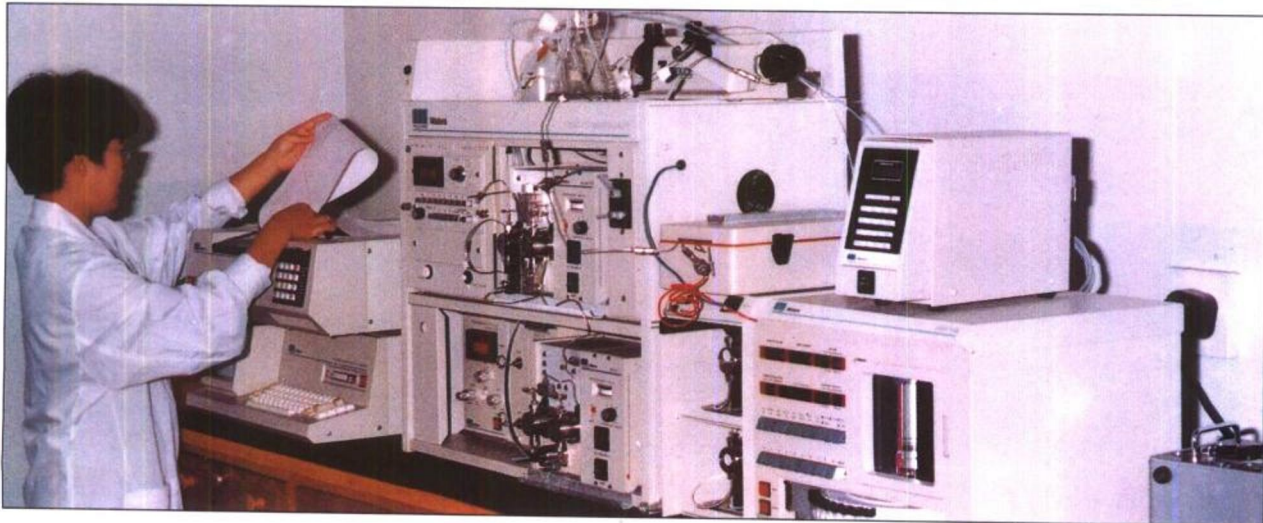


黃瓜育種新成果

New achievements of cucumber breeding

nique has won the state patents. It is the first one to produce the China Nectar, which is the new product made from fruits.

The Academy persists in supplying services for economic construction. The good varieties of cucumber, cauliflower, rice, minipotato and fruit processing techniques developed by the academy have extended throughout the country, and have brought about great social and economic benefits.



吉林省農業科學院

吉林省農業科學院建于1913年，科技力量雄厚，專業比較齊全，是一個綜合性農業科研單位。

全院現有職工1200人，其中科技人員514人，科技人員中研究員12人，副研究員115人。近年來4人被評為國家級有突出貢獻的專家。全院試驗地面積400公頃，萬元以上儀器設備60臺(件)，圖書資料20萬冊。

該院隸屬於吉林省人民政府。院下共設14個研究所和5個經營機構。

該院成立以來，在玉米、大豆、水稻、雜糧的育種栽培，生物防治技術，牛胚胎移植、分割技術，農機具研製，寒地果樹新品種選育的研究方面取得重要成果，為吉林省農業生產和農村經濟發展做出了重要貢獻。近十年來，它共取得科技成果230項，其中獲國家發明獎、科技進步獎、科學獎的成果32項，國家部、委和省政府成果獎166項，已為社會創造經濟效益1億元以上的成果有10項。該院研製的大豆冰淇淋獲尤里卡金獎，已轉讓給300多個廠家投產經營。目前，它又研製了花生、玉米冰淇淋，大豆乳酸奶，大豆油腳提取磷脂，林蛙卵精“青春霜”、人參保鮮，食用菌，干草、飼料配方與飼料生產，輻射藥物等一批新工藝新產品。該院竭誠歡迎海內外科研、生產、教學、企業同仁，各界人士賜教合作交流與經營。

用牛胚胎移植法生產的黑白花牛犢

A denmark calf with white and black was calved from a local yellow accepted cow



育成的吉林20-27大豆新品種占省大豆種植面積40%-60%以上

The new varieties of soybean named 20-27 developed by this Institute have covered 40%-60% soybean growing land in Jilin Province

Jilin Academy of Agricultural Sciences

Jilin Academy of Agricultural Sciences is a large agricultural research institution with a strong scientific and technical base and long history, founded in 1913. After 80 year's building and development, the academy has become a large sized comprehensive agricultural institution with multiple disciplines and a strong scientific and technical force. It is the most important agricultural research institution in Jilin Province. The academy has 1,200 people including 514 professional and technical staff, of whom 12 professors and 115 associate professors. There are 400 ha. experimental land, 60 pieces of instruments in which every value is over 10,000 Yuan and 200,000 books and magazines.

The academy has acquired many important achievements on the following items: breeding and

cultivation of corn, soybean, rice and other crops, biological control technology, cattle embryo transfer and dissection, research and making on agricultural tools, breeding and selection on new fruit varieties in cold area. In recent decade, the academy has obtained 230 items of achievements, which include 32 items of achievements of National Invention Award, Scientific and Technical Progress Award, and Science Award; and 166 items of achievements awarded by ministries and Provincial Government. Among them, 10 items of achievements have produced great economic benefits of over 100 million yuan. The soybean Ice Cream that gained Eureka Golden Medal is warmly welcomed by customers. The patent of soybean ice cream has been transferred to more than 300 factories. Now, many new products have come into the world such as peanut ice cream, corn ice cream, soy-yoghurt, drawing phosphatide from soybean oil feet, Youth Cosmetics from frog egg, fresh Ginseng, edible bacteria, hay, feed formula and production and radiating medicines.

Jilin Academy of Agricultural Sciences warmly welcome all colleagues in scientific research, teaching and enterprises at home and abroad to cooperate and exchange.



用胚離體培養法在試管中育成的
熟期僅56天的特早熟桃—春蕾

The most early maturing peach
"Spring Bud" cultivated by em-
bryo in vitro cultivation technique
with a mature period of 56d

上海市農業科學院

上海市農業科學院是上海市政府
領導的地方性科研機構，創建
于1960年

該院主要進行以糧油、蔬菜水
果、畜禽、花卉為重點的應用技術研
究和開發，相應開展農業生物技術、
農業環保和農用電子技術的研究。

該院下設作物育種栽培研究所、
土壤肥料研究所、植物保護研究所、
園藝研究所、食用菌研究所、畜牧獸
醫研究所、科技情報研究所和生物技
術研究中心、農業測試中心、飼料質
量監督檢驗站。現有職工1600多人，
其中科技人員660餘人，具有高級技
術職務的150餘人。

該院共取得223項科研成果，其
中達到國際先進水平和國際水平的
有28項，居國內先進水平的有140項，
獲獎的159項，其中獲國家發明獎4
項，國家科技進步獎6項，農業部科技
進步獎5項，上海市科技進步獎63項。
主要成果有：雜交梗稻寒優"1027"，
用軟X射綫誘變育種育成紫香糯
861、香梗831，150自交系育成和高產
優質玉米新品種選育，低芥酸油菜新
品種申優青，甘藍型核不育雜交油
菜，應用胚培養技術育成特早熟
桃"春蕾"及"春花"，青花菜新品種上
海一號育成，原生質體融合技術和無
性繁殖技術在香菇育種上的應用，編
碼FMDV免疫活性肽基因的表達及
其免疫原性測定研究，優質黃羽肉雞
選育，赤霉菌毒素(DON)應用於小麥
赤病細胞工程的病理生理基礎與
方法程序，細胞微載體技術。

該院在農業環境監測、數據電腦
貯存與檢索、及基因工程、細胞工程
和發酵工程等生物技術方面，均有較
大進展或突破。

Shanghai Academy of Agriculture Sciences

Shanghai Academy of Agricul-
ture Sciences, a local scientific
research institute under Shanghai
Municipal Government, was es-
tablished in 1960.

The academy is mainly en-
gaged in the applied technology
research and development on food,
oil, vegetables, fruits, animals,
fowls and flowers. The agricultural
biotechnology, the agricultural
environment protection technol-
ogy and the agricultural electronic
technology are exploited relevantly.

The academy has 7 research
institutes: Crop Breeding and Cul-
tivation, Horticulture, Edible Fu-

ngi, Soil and Fertilizer, Plant
Protection, Animal Husbandry
and Veterinary, and Scientific and
Technological Information. It also
has a testing centre, a biotechnol-
ogical research centre and a
feed quality monitor station. The
total staff members of the acade-
my counts up to more than 1,600,
including 660 research workers, of
whom more than 150 are senior
research workers.

Since 1986, 223 achievements
have been identified, among which

28 come up to advanced world stan-
dards or world standards, 140
come up to advanced domestic
standards, 159 were awarded
prizes, of which 4 were awarded
state invention prizes, 74 won
national or ministerial S & T
progress prizes. Major achieve-
ments include "hybrid japonica
variety Hanyou 1027", "Purple
Fragrant Glutinous Rice 861" and
"Fragrant Japonica Rice 831" bred
by soft x-ray induction of muta-
tion "150 Self-bred line", selec-
tion of new corn variety with high
yield and super quality, "Shen-
youqin", a new rapeseed variety
with low content of erucic acid,
genic sterile Brassica Rapus,
"Spring Bud" and "Spring Flo-
wer", two most early maturing
peach varieties bred with embryo
cultivation technology, "Shanghai
No.1", a new variety of Brassica
oleracea L. var. italica, the ap-
plication of plasma fusion tech-
nology and vegetative propagation

應用香菇原生質體融合技術選出
的香融1號和二株工程菌株

Two new strains of Shiitake mush-
room selected by protoplast fusion
technology



technology to the breeding of
Lentinus edodes, etc.

江蘇省農業科學院

江蘇省農業科學院是一個歷史悠
久、研究力量雄厚、科研設施比
較完善的綜合性農業科研單位。它位
于南京市東郊風景區的孝陵衛鎮。其
前身是創建于1932年的原中央農業
實驗所。1950年，原中央農業實驗所
與原中央畜牧獸醫實驗所、原中央林



世界上第一株棉花原生質體再生株于1989年8月誕生
The first regenerated cotton protoplast in the world was obtained in August, 1989

業實驗所和原棉產改進處等單位合並，建成華東農業科學研究所，1958年改名為中國農業科學院江蘇分院，1970年改稱江蘇省農科所，1977年開始啟用現名。

該院設有12個專業研究所和1個英語培訓中心，並與有關市共同領導9個農區農科所和6個市蔬菜研究所。此外，還設有農業部農業生物學實驗室、農業系統與信息研究中心、雜草研究中心等研究機構。

主要任務是：針對國家和江蘇農牧業生產中重大科學技術問題，開展應用研究和開發研究，同時進行應用基礎研究。主要承擔國家、部、省重大農牧業科研攻關項目及其他有關單位的橫向委托研究；負責全省農牧業科學研究的管理和協調工作；開展國際科技合作研究；培訓農業科技人才，招收碩士研究生。

院部占地120公頃，其中試驗地80公頃，科研和辦公用房9萬平方米；9個農區所共占地676公頃，其中試驗地222公頃，科研和辦公用房17萬平方米。院內部分儀器設備達到較先進的水平。

院部現有職工1200人，其中科技人員近800人，具有高級專業技術職務的185人；9個農區所現有職工1400人，其中科技人員700多人，具有高級專業技術職務的101人。全院有80多名科研人員兼任國際、國內學術機構的重要職務。

1950~1991年，全院共取得科技成果738項，其中受到國家、部、省表彰獎勵的有256項。有些成果達到國

際或國內先進水平，大部分成果已應用于生產，發揮了較好的社會經濟效益。

1978年以來，先後有60多個國家的政府首腦、專家學者萬餘人次來院訪問、講學與合作研究；同時選派科研人員出國考察、合作研究、攻讀博士、碩士學位計300多人次；還與國際農業研究機構及美國、英國、日本、加拿大、澳大利亞等國的23個單位建立了合作研究關係。

Jiangsu Academy of Agricultural Sciences

Located in the eastern suburbs of Nanjing, Jiangsu Academy of Agricultural Sciences (JAAS) is a comprehensive agricultural institution with sound expertise and research facilities. It was first founded in 1932 and named the National Agricultural Research Institute (NARI) then. In 1950, NARI was reorganized into the East China Institute of Agricultural Science (ECIAS) through incorporation with the former National Animal Husbandry Research Institute, National Forestry Research Institute and the Cotton Improvement Bureau. ECIAS was renamed the Jiangsu Affiliate of the Chinese Academy of Agricultural Sciences in 1958 and was renamed the Jiangsu Institute of Agricultural Sciences again in 1970. It has taken the present name since 1977.

JAAS consists of 12 institutes and an English training center. In addition, there are 9 regional agricultural institutes and 6 vegetable research institutes under the dual leadership of JAAS and their respective municipalities. And the Agricultural Biology Laboratory of the Ministry of Agriculture, the Research Center of Agricultural System and Information and the Weed Research Center are in the Academy.

The major missions of JAAS are:

- to conduct applied and developmental research and applied basic research on scientific and technological problems vital

to agricultural and animal production in Jiangsu Province;

- to undertake national and ministerial priority programs and the research assigned or entrusted by other institutions concerned;

- to take charge of the management and coordination of the agricultural research activities throughout the province;

- to conduct training courses in agricultural science and technology and enroll in service post-graduates for MS in several disciplines with other colleges and universities.

JAAS has a staff of 1,200, excluding those in the regional institutes. Among them, 185 are senior researchers. The regional institutes have a staff of 1,400 altogether, of whom 101 are senior researchers. There are 80 scientists holding concurrent posts in national or international academic organizations.

The headquarters of JAAS covers an area of 120 ha, including 80 ha of experimental farm and 90,000 m² of buildings for research and administration. The 9 regional institutes cover an area of 676 hectares, including 222 ha of experimental farms and 170,000 m² of buildings for research and administration.

From 1950 to 1991, JAAS has made 738 research achievements, of which 256 items have been awarded prizes by the state, the Ministry of Agriculture and the provincial government respectively.

JAAS pays attention to the international academic exchange and cooperative researches. Since 1978, it has received more than 10,000 government heads, specialists and scholars from over 60 countries and sent more than 300 persons abroad for investigation, cooperative research and advanced studies. It has set up relationships in cooperative research or academic exchanges with 142 agricultural organizations, universities or experimental farms in the USA, UK, Japan, Canada, Australia, etc.