



새기술 지식농업

NEW TECHNOLOGY INTELLIGENT AGRICULTURE

# 세계를 잇는 경기농업

GYEONGGI AGRICULTURE WORLDWIDE

# Contents

목차

인사말 • 04

임무 • 06

연혁 • 07

## 경쟁력 있는 품목을 육성·보급

세계화에 알맞은 최고품질 신품종 육성·보급 • 10  
경기미 신품종 육성 및 생산비 절감기술 개발·보급 • 12  
소득작목 생산기술 개발·보급 • 14

## 최고 농업기술을 개발·보급

도시농업 활성화 및 식물공장 상용화 기술개발·보급 • 18  
친환경 생물자원 산업화 및 방제시스템 구축 • 19  
기후변화 대응 농업기술 개발 • 20  
경기지역 특산물 고부가 산업화 • 21

## 활기찬 농촌 및 전문인력을 육성

농촌자원을 활용한 6차산업 육성 • 24  
농업인 실용 맞춤형 교육 및 학습단체 육성 • 26  
농촌지도 기반시설 확충 및 현장 컨설팅 지원 • 27

Greetings • 04

Mission • 06

History • 07

## Production & dissemination of competitive agricultural varieties

Production & dissemination of new, competitive, top-quality agricultural varieties • 10  
Production of new Gyeonggi rice varieties & dissemination of production cost-reducing techniques • 12  
Development & dissemination of profitable crop-producing techniques • 14

## Development & dissemination of top-quality agricultural techniques

Activation of Urban Agriculture, Development and Propagation of Commercialized Plant Factory • 18  
Industrialization of eco-friendly biological resources and establishment of pest prevention system • 19  
Development of agricultural techniques for responding to climate change • 20  
Industrialization of Gyeonggi region's special crops by value-adding process • 21

## Promotion of lively farming area & fostering of professionals

Development of the 6th industry using agricultural resources • 24  
Promotion of farmer-oriented educational organizations • 26  
Expansion of agricultural infrastructure & onsite consulting • 27

# Greetings

인사말

경기도농업기술원은 세계화 개방화에 대응하여 경기농업이 고부가가치를 창출하는 생명산업으로 발돋움할 수 있도록 농업인들이 필요로 하는 새로운 기술을 연구개발하여 보급하고 있습니다.

세계속의 경기농업과 농업인들의 현장애로기술을 해결하기 위하여 벼, 과수, 화훼, 발작물, 버섯, 선인장의 시험 연구사업으로 새로운 품종과 친환경농업 등 재배기술을 연구 개발하여 신속히 보급하는데 최선을 다하고 있습니다.

또한 우량종자 보급과 농업인에게 영농기술 및 농기계 교육을 통해 전문인력을 육성하는 한편, 농촌자원을 활용한 6차산업을 육성하고 있습니다.

한국농업의 중심 경기농업, 누구나 찾고 싶어하는 농촌으로 발전시켜 나갈 것을 다짐드리며, 이 자료가 경기도의 농촌진흥사업을 이해하는데 도움이 되기를 바랍니다.

경기도농업기술원장





The Gyeonggi-do Agricultural Research & Extension Services develops and disseminates new techniques that are essential to farmers so as to promote Gyeonggi farming as a life industry that creates high value added in response to globalization and opening of doors.

It strives to develop and disseminate cultivation techniques such as development of new agricultural varieties and eco-friendly farming based on experiments on rice, fruits, flowers, farm products, mushrooms, and cactus to promote Gyeonggi farming and resolve onsite difficulties experienced by farmers.

It disseminates high-quality seeds and cultivates professionals through its education system on farming techniques and agricultural machinery. It also promotes a sixth industry that utilizes agricultural resources.

Gyeonggi farming is at the center of Korea's agricultural industry. We will do our best to promote Gyeonggi farming as one that everyone wishes to experience. Finally, we hope that the data provided here contribute to understanding the agriculture of Gyeonggi-do.

President of Gyeonggi-do Agricultural Research & Extension Services

# Mission

임무

---

## 신품종 육종 및 지역전략작목 연구개발

Breeding of new plants & development  
of strategic plants of Gyeonggi-do

---

## 영농현장 농업기술 및 우량종자 생산 보급

Dissemination of farming techniques  
and high-quality seeds



---

## 고부가 농산업화 및 저탄소 녹색성장 기술 확산

Expansion of high value-added  
agroindustry and dissemination of  
low-carbon, green growth techniques

---

## 농업인에 대한 새기술교육 및 지역농업개발

Education on new techniques &  
promotion of the regional agricultural industry

---

## 농업인 학습단체와 전문농업인력 육성

Cultivation of educational organizations &  
professional farm labor



# History

연혁

## 1917-1998 경기농업의 시작

- 1917 경기도종묘장 발족 Launched the Gyeonggi-do Seed Farm
- 1932 경기도농사시험장으로 개칭 Renamed Gyeonggi-do Agricultural Experiment Station
- 1949 경기도농사기술원으로 개칭 Renamed Gyeonggi-do Agricultural Technology Institute
- 1957 경기도농사원으로 개편 Reorganized as Gyeonggi-do Agricultural Institute
- 1962 경기도농촌진흥원으로 개편 Reorganized as Gyeonggi-do Rural Development Administration
- 1992 광주버섯시험장 신설 Founded the Gwangju Mushroom Experiment Station
- 1994 연천율무시험장 신설 Founded the Yeoncheon Adlay Experiment Station
- 1994 고양선인장시험장 신설 Founded the Goyang Cactus Experiment Station
- 1998 경기도농업기술원으로 개칭 Renamed as Gyeonggi-do Agricultural Research and Extension Services

## 2001-2014 경기농업의 변화

- 2001 국립종자관리소 평택지소를 경기도농업기술원 종자보급소로 편입 Incorporated the Pyeongtaek Branch of Korea Seed & Variety Service as Seed Station
- 2004 북부농업시험장을 제2농업연구소로 개칭 Renamed Northern Agricultural Experiment Station as 2nd Agricultural Research Institute
- 2004 광주버섯시험장을 버섯연구소로 개칭 Renamed the Gwangju Mushroom Experiment Station as Mushroom Research Institute
- 2004 고양선인장시험장을 선인장연구소로 개칭 Renamed the Goyang Cactus Experiment Station as Cactus Research Institute
- 2007 종자관리소, 종자보급소 통합 Merged the Seed Management Office & Seed Station
- 2009 제2농업연구소를 소득자원연구소로 개칭 Renamed the 2nd Agricultural Research Institute as Profit Resource Research Institute
- 2014 선인장연구소를 선인장다육식물연구소로 개칭 Renamed the Cactus Research Institute as Cactus & Succulent Research Institute





# 경쟁력 있는 품목을 육성·보급합니다

Production & dissemination of  
competitive agricultural varieties





**세계화에 알맞은 최고품질 신품종 육성·보급**

Production & dissemination of new, competitive, top-quality agricultural varieties



**경기미 신품종 육성 및 생산비 절감기술 개발·보급**

Production of new Gyeonggi rice varieties & dissemination of production cost-reducing techniques



**소득작목 생산기술 개발·보급**

Development & dissemination of profitable crop-producing techniques



# 세계화에 알맞은 최고품질 신품종 육성·보급

Production & distribution of new, competitive, top-quality agricultural varieties

생산비 절감과 세계시장 확대 보급을 위하여  
고품질의 다수성 신품종 개발에 주력한다

We develop numerous high-quality agricultural varieties to reduce production cost and expand our international distribution.



- ① 신품종 흑타리 버섯 육종 Breeding of oyster mushroom "Heuktari"
- ② 칼란코에 신품종 육성 연구 Research on developing new Kalanchoe varieties
- ③ 학교운동장용 잔디연구 Research on turfgrass for school grounds
- ④ 국화신품종 육성 평가회 Evaluation on The Newly Developed Chrysanthemum Varieties





# 경기미 신품종 육성 및 생산비 절감기술 개발·보급

Production of new Gyeonggi rice varieties & dissemination of production cost-reducing techniques

경기미 차별화를 위한 고품질 및 가공용 품종을 육성 상품화하고,  
쌀 품질 향상과 생산비 절감기술 보급으로 경기미 경쟁력을 강화한다

We commercialize a high-quality Gyeonggi rice variety for distinction and strengthened its competitiveness  
by improving the rice quality and disseminating production cost-reducing techniques



- ① 쌀생산비 절감을 위한 직파재배 Direct seeding to reduce the rice production cost
- ② 고품질 우량종자 생산·공급 Production & distribution of high-quality seeds
- ③ 쌀생산 가공·상품화 Processing & commercialization of rice
- ④ 고품질 쌀 품종육성 Breeding of high-quality rice variety





# 소득작목 생산기술 개발·보급

Development & dissemination of profitable crop-producing techniques

농축산물 생산 종합기술 보급으로 안전성과 품질을 높여,  
지역특성에 맞는 특화작목 육성으로 6차 산업화를 촉진시킨다

We promote the 6th industrialization by cultivating regional specialty crops through the improvement of safety and quality by disseminating agro and livestock production techniques



- ① 인삼생산 기술 개발 Development of ginseng-producing techniques
- ② 국내육성 조사료 무인헬기 이용 파종 Sowing of seeds using unmanned drone helicopters
- ③ 선인장 페스티벌 Cactus Festival
- ④ 최고 과일생산단지 지도 Guidance of the top fruit production complex







# 최고의 농업기술을 개발·보급합니다

Development & dissemination of top-quality  
agricultural techniques



- **도시농업 활성화 및 식물공장 상용화 기술개발·보급**  
Activation of Urban Agriculture, Development and Propagation of Commercialized Plant Factory
- **친환경 생물자원 산업화 및 방제시스템 구축**  
Industrialization of eco-friendly biological resources  
Establishment of pest prevention system
- **기후변화 대응 농업기술 개발**  
Development of agricultural techniques for responding to climate change
- **경기지역 특산물 고부가 산업화**  
Industrialization of Gyeonggi region's special crops by value-adding process



# 도시농업 활성화 및 식물공장 상용화 기술개발·보급

Activation of Urban Agriculture, Development and Propagation of Commercialized Plant Factory

도시농업 활성화 전략 및 응용기술 개발로 도시농업을 확산하고,  
IT 기술을 활용한 식물공장 시스템 기술 개발에 의한  
세계시장 확대 보급에 집중하고 있다

Diffusion of urban agriculture by establishment of strategy for its activation and development of applied technology, and focus on propagation of plant factory to world market through development and adaptation of IT technology



- 1
- 2
- 3

- ① 도심공간 활용 도시농업기술 개발 Development of Urban Agricultural Technology Utilizing Urban Space
- ② 식물공장 상용화 Commercialization of Plant Factory
- ③ 국제 마스터가드너 컨퍼런스 개최 The 2014 International Master Gardener Conference



# 친환경 생물자원 산업화 및 방제시스템 구축

Industrialization of eco-friendly biological resources and establishment of pest prevention system

천적, 미생물 등을 활용한 친환경 농업을 활성화하고 농작물 병해충 발생을 정밀 예찰하여 신속한 방제 시스템을 구축한다

We promote eco-friendly farming that uses natural enemies and microorganisms.  
We also strive to establish a quick response system.



- 1
- 2
- 3

- ① 농작물 병해충 현장 진단 Field diagnosis of crop disease and pest
- ② 토양 정밀분석 시비처방 Fertilization based on soil analysis
- ③ 친환경 농업이용 유용미생물 생산 공급 Distribution of effective microorganisms for eco-friendly farming



# 기후변화 대응 농업기술 개발

Development of agricultural techniques for responding to climate change

기후변화에 대응한 농작물의 안정적 재배기술을 개발하고  
화학비료와 온실가스 저감형 저탄소 비료를 개발한다

We develop stable cultivation techniques to respond to climate change as well as low-carbon fertilizers that reduce the use of chemical fertilizers and greenhouse gas.

NAVER Google

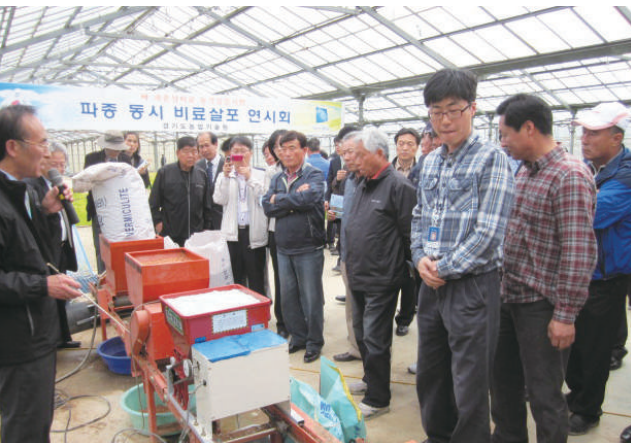
경기도 농업기상과 병해충발생 예보

검색

① 과수동상해예측시스템 [http://www.epilove.com/n\\_page1\\_1.php](http://www.epilove.com/n_page1_1.php)  
Fruit-freezing & frost-estimating system

② ③ ④

- ② 벼파종상 비료 Controlled release fertilizer applied on seedling tray in rice
- ③ 밭토양 온실가스 저감연구 Research on greenhouse gas reduction on upland soil
- ④ 논토양 온실가스 저감연구 Research on greenhouse gas reduction on paddy soil



# 경기지역 특산물 고부가 산업화

Industrialization of Gyeonggi region's special crops by value-adding process

경기특산물 이용 가공식품 개발과 새로운 소득원인  
곤충산업을 육성 보급한다

We develop processed food using Gyeonggi-do specialties and  
promote the newly profitable insect industry.



① 밥알없는 아미노산 고함유 식혜 Sikhye (sweet rice drink) with high amino acid content and no rice

- ②
- ③
- ④

- ② 천년초로 만든 쌀 가공빵 Processed rice bread made from eastern prickly pear
- ③ 멸종위기종 복원 왕은점표범나비 Restoration of the endangered Argynnisseripae
- ④ 쌀을 원료로 한 다양한 전통주 Various traditional alcoholic beverages made from rice



○  
활기찬 농촌 및  
전문인력을 육성합니다

Promotion of lively farming area &  
fostering of professionals





**농촌자원을 활용한 6차산업 육성**

Development of the 6th industry using agricultural resources



**농업인 실용 맞춤 교육 및 학습단체 육성**

Promotion of farmer-oriented educational organizations



**농촌지도 기반시설 확충 및 현장 컨설팅 지원**

Expansion of agricultural infrastructure & onsite consulting

# 농촌자원을 활용한 6차산업 육성

Development of the 6th industry using agricultural resources

생산·가공·외식·관광산업을 연계한 농업·농촌의 6차 산업화를 추진하며,  
국민식생활 개선 및 농업인 농식품 가공기술 경쟁력을 강화한다

We promote the 6th industrialization in connection with manufacturing, processing, food service, and tourism industry.  
We also improve the dietary life of our nation and strengthen the competitiveness of agrifood processing technology.



- ① 향토음식 자원화 Promotion of local dishes
- ② 농업작업환경개선 Improvement of agricultural environment
- ③ 농촌체험 Promotion of Green Village
- ④ 전통 식문화 교육 프로그램 운영 Operation of programs on traditional food culture







# 농업인 실용 맞춤형 교육 및 학습단체 육성

Promotion of farmer-oriented educational organizations

현장 적용 수요자 중심의 맞춤형 교육으로 농업인 역량을 강화하고 품목별 전문기술과 경영능력을 겸비한 농업전문 경영인을 육성한다

We strengthen the capability of farmers and cultivate specialists boasting of professional techniques and management skills based on our customized consumer-oriented education programs.



- 1
- 2
- 3

- 1 농업기계교육 Education on agricultural machines
- 2 4H육성 Cultivation of 4-H
- 3 귀농·귀촌 영농기술교육 Promotion of farming techniques for return farmers



# 농촌지도 기반시설 확충 및 현장 컨설팅 지원

Expansion of agricultural infrastructure & onsite consulting

시군별 특성화 품목에 예산, 기술교육을 집중 지원하여 소득증대에 힘쓰며, 컨설팅과 코칭을 통한 경영전략으로 강소농을 육성한다

We strive to increase profit by providing financial support and disseminating techniques on specialty products and cultivate farmers through consultations and coaching.



- 1
- 2
- 3

- ① 농업과학교육관 운영 Operation of the Agricultural Science Center
- ② 현장기술지원단 운영 Operation of Onsite Tech Supporters
- ③ 농업정보 신속제공 Provision of information on farming



함께 만드는 미래  
**NEXT>**경기 농업기술원



- 445-784 경기도 화성시 병점중앙로 283-33  
283-33, Byeongjeomjungang-ro, Hwaseong-si,  
Gyeonggi-do, Korea
- Tel. 031-229-6114  
+82-31-229-6114
- Fax. 031-229-5961  
+82-31-229-5961
- <http://www.nongup.gg.go.kr>