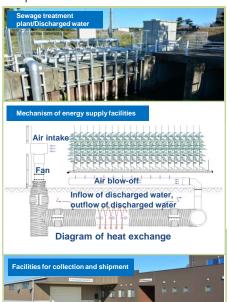
Aichi Prefecture (Toyohashi City)





- Realization of stable production of cherry tomato yield up to 21t/10a with air-conditioning and environmental control in root area.
- Reduce fossil fuel usage by more than 30% with utilizing heat energy from discharged water out of from sewage treatment plants.



Members

Facilities at base

Technological

demonstration





Facilities for cultivation

Names of consortium and its members

Name Consortium of the Next-Generation type of Greenhouse Horticulture in Aichi Toyohashi

Inochio Mirai Inc. / Inochio Tsunagu Inc. / IDEARU·ATORE Co., Ltd. / Aspen Food Planning Co., Ltd. / Kawamura Shoji Corporation / Inochio Agri Inc. / SCIENCE CREATE Co., Ltd. / JA Toyohashi / JA Aichi-Keizairen / Toyohashi University of Technology / Aichi Prefecture / Toyohashi City

Crops Area Yield (goal)

Cherry tomatoes 3.6ha 726t (21t/10a)

Category Overview of project

(1) greenhouse (2) heat and electricity cogeneration system from boiler equipped with power source using fuel via waste (3) facilities for production of seedlings (4) facilities for collection and shipment

(1) Demonstration of high-quality and high-yield cultivation by compound environmental control (vapor-pressure deficit control by mist, supply of carbon dioxide, root zone environmental control, etc.)

(2) Demonstration of warming technology utilizing heat energy from discharged water

Other programs

Establishment of regional brands and fostering of future horticulture farms by accepting training for successors of agriculture and new entrants into agriculture



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Hyogo Prefecture (Kasai City)

Tomatoes



tomatoes



biomass

- Establishment of new agricultural business models with by introducing system of integrated environmental control ,etc.
- To realize year-round, stable, high yield and 4 fixed (fixed time, quantity, quality, price) production.
- Local production for local consumption of energy with local woody biomass.



Names of consortium and its members

Name Consortium of the Next-Generation type of Greenhouse Horticulture in Hyogo

Hyogo Next Farm Co., Ltd. / Saladbowl Co., Ltd. / Higashibaba Farm Co., Ltd. /Jardin Co., Ltd. / Kansai Super Market Ltd. / Kobe University /JA Hyogomirai / Kasai City / Taka Town / Hyogo Midori Public Corporation /Hyogo Prefecture

Crops	Area	Yield (goal)
Tomatoes	1.8ha	630t(35t/10a)
Cherry tomatoes	1.8ha	360t(20t/10a)

Category Overview of project

Facilities at base

Members

(1) greenhouses, (2) wooden biomass boiler, (3) facilities for production of seedlings, (4) facilities for collection and shipment

Technological demonstration

(1) Integrated environmental control technology (application of CO2, water supply control, etc.)

(2) Application of CO2 using combustion gas utilizing an LPG boiler

Other programs

(1) Nurturing of human resources with fulltime employment to learn know-how for facilities management (advanced cultivation technology, labor control, etc.)

(2) Popularization and education of year-round cultivation technology utilizing integrated environmental control technology, etc.

long-term cultivation









Over the counter sales

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Kochi Prefecture (Shimanto Town)





Tomatoes

- Reduce fossil fuel consumption with introducing large-sized woody biomass boiler using sawdust.
- Cooperate with the adjoining training center of prospective farmers to extent the results of the base to farmers.



Names of consortium and its members

Name Consortium of the Next-Generation type of Greenhouse Horticulture in Kochi

> Shimanto Mihara Farm Co., Ltd. / Best Grow Co., Ltd. / Shimanto Tomato Co., Ltd. / Shimanto Blue sky Farm Co., Ltd. / Akatsuki Industrial Co., Ltd. / Shimantocho Forestry Association /JA Shimanto / Kochi Prefectural Federation of Horticultural Cooperative Associations / Faculty of Agriculture, Kochi University / Kochi University of Technology / Shimanto Town / Kochi Prefecture

Crops	Area	Yield (goal)	
Tomatoes	4.3ha	1,651t (38.4t/10a)	
Category	Overview of project		

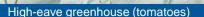
(1) greenhouses, (2) wooden biomass boiler, (3) facilities for production of seedlings, (4) facilities for collection and shipment Facilities at base

Technological demonstration

Members

- (1) Demonstration of high-quality, high-yield technology by compound environmental control (CO2 generation device, fine mist device, etc.)
- (2) Demonstration of cultivation for reduction of production costs by utilization of aerial work platform and nutriculture cultivation device, etc.
- Other programs
- (1) Leaning of technologies through technological and management seminars, etc. (2) Stable shipments and sales matching needs among actual users, etc.







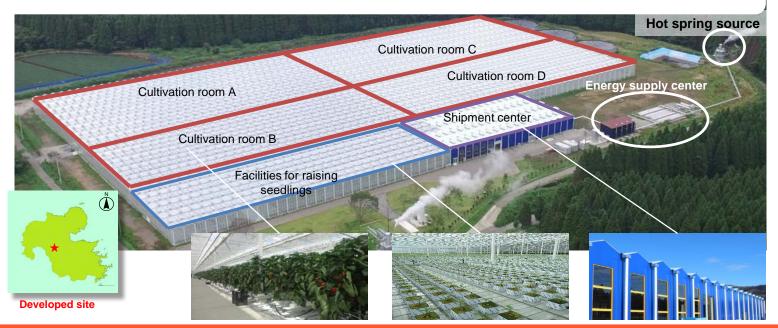
Oita Prefecture (Kokonoe Town)



peppers



- Practice of large-scale Greenhouse farming utilizing heat from hot spring as a regional energy.
- To supply domestic paprika stably in year-round with advanced environmental control technology.



Names of consortium and its members

Name Consortium of the Next-Generation type of Greenhouse Horticulture in Oita

Members

base

Takahiko Agro-Business Co., Ltd. / TAKAFUJI Co., Ltd. / Kokonoe Town / Oita Prefecture / Shinsankyo Foods Distribution Center Co., Ltd. / Co-op oita / JA kusukokonoe

Crops Area Yield (goal) Red/yellow Paprika 2.4ha 393t (16.3t/10a)

Overview of project Category

Facilities at (1) greenhouse (2) hot spring heat supply center (supply of geothermal water via heat exchanger) (3) facilities for production of seedlings, (4) facilities for collection and shipment

Technological (1) Advanced environmental control system (2) mist cooling (3) carbon dioxide application technology, etc. demonstration

Other programs Development and expansion of sales routes and development of products to secure contract sales, etc.



Utilization of geothermal energy



Venlo greenhouse



Cultivation of red/yellow bell peppers

Miyazaki Prefecture (Kunitomi Town)



Cucumber

Green pepper

Wooden biomass

 To construct cultivation management system with high productivity utilizing advanced ICT technology. Extend to the region as a model for large-scale intensive farming by cooperating with JA's training system of prospective farmers.



Names of consortium and its members

Name Consortium of the Next-Generation type of Greenhouse Horticulture in Miyazaki

Members

Facilities at base

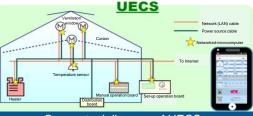
Kyushu Olympia Kogyo / Suncool System / Fujitsu / JA Miyazaki Chuou /JA Farm Miyazaki Chuou / JA Miyazaki Chuou-Kai / JA Miyazaki Keizairen /Miyazaki Prefecture / Miyazaki City / Kunitomi Town / Miyazaki Agriculture Public Corporation

Crop	os	Area	Yield (goal)	
Green po	epper	2.3ha	345t (15t/10a)	
Cucumber		1.8ha	450t (25t/10a)	
Category		Overview of project		

(1) greenhouses, (2) wooden biomass boiler, (3) facilities for production of seedling, (4) facilities for collection and shipment

Introduction and demonstration of "integrated greenhouse horticulture production support system," centered on a ubiquitous Technological environmental control system and combining (1) advanced high-yield cultivation technology, (2) cost reduction technology making effective use of a wooden biomass heater, etc. and (3) advanced production management system incorporating cultivation demonstration management records and growth data.

Practice of environmental protection-oriented agriculture such as cultivation to utilize natural predators to cut use of agricultural Other programs chemicals



Conceptual diagram of UECS



State of cucumber and green bell pepper production



Use of base as training venue

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