OVERVIEW OF SUNRISE FARM

2015. 01.16

SUMITOMO CHEMICAL
CSR Office
Sumitomo Chemical’s Agricultural Corporations

- **Sunrise Farm Saijo**
  - Founded: August 2011
  - Location: Saijo, Ehime Prefecture
  - Items: Lettuce, Cabbage, Rice
  - Cultivated acreage: 10ha

- **Sumika Farm Oita**
  - Founded: December 2009
  - Location: Oita Prefecture
  - Item: Tomatoes
  - Cultivated acreage: 1ha

- **Sumika Farm Nagano**
  - Founded: May 2009
  - Location: Nagano Prefecture
  - Item: Strawberry
  - Cultivated acreage: 1ha

- **Sumika Farm Yamagata**
  - Founded: September 2011
  - Location: Yamagata Prefecture
  - Items: Tomatoes, Strawberry
  - Cultivated acreage: 0.3ha

- **Sumika Farm Mie**
  - Founded: November 2011
  - Location: Mie Prefecture
  - Item: Japanese honewort
  - Cultivated acreage: 1.5ha

- **Sumika Farm Ibaraki**
  - Founded: July 2013
  - Location: Ibaraki Prefecture
  - Items: Cabbage, etc.
  - Cultivated acreage: 20ha

- **Sunrise Farm Toyota**
  - Founded: February 2013
  - Location: Toyota, Aichi Prefecture
  - Item: Tomatoes
  - Cultivated acreage: 0.8ha
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In Keidanren’s “Future City Model Project”, Sunrise farm Toyota was established in order to play an agriculture part of Toyota Motor Corporation’s project “Toyota Next-generation Energy Mobility City”. Toyota motor corporation made an equity participation in this farm.

- For the purpose of promotion of local agriculture, verifying advanced agriculture, regeneration of the abandoned farmlands, and the creation of local employment, we are trying to grow tomatoes of high-quality & high-yield by using ICT technology for the environmental control.
Facility layout

1. Main greenhouse (56a): Seek commercial sustainability thru efficient operation
2. Research greenhouse (22a): Verify advanced technologies
3. Administration building (office, facilities for selection, sorting & packaging)

⇒ To achieve healthy business performance while fulfilling the goal of staying ahead of conventional farmers
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Environment control through ICT
As a testing ground to verify advanced technology

A Nagoya University-led consortium have taken up a technology verification project delegated by Ministry of Agriculture, Forestry and Fisheries. Sunrise Farm Toyota is helping the consortium by offering tomato testing field.

We also make testing fields available to private companies including Panasonic.
<table>
<thead>
<tr>
<th><strong>Company name</strong></th>
<th>Sunrise farm Saijo Company, Limited</th>
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</thead>
<tbody>
<tr>
<td><strong>Head office</strong></td>
<td>Saijo City, Ehime Prefecture</td>
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<tr>
<td><strong>Cultivated acreage</strong></td>
<td>10ha</td>
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<tr>
<td><strong>Founded</strong></td>
<td>August 10, 2011</td>
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<tr>
<td><strong>Capital</strong></td>
<td>• 100 million yen</td>
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<td>• Shareholder Sumitomo Chemical, JA Saijo, Saijo Industry &amp; Information centre for support, Mitsubishi Heavy Industries, Panasonic</td>
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| **Business summary** | • Established in August 2011, to promote “Saijo Agricultural Innovation City project”, one of “the Future City Model projects”. This farm is composed of JA Saijo, Saijo city and private companies to work closely.  
• Aiming to make new model of agriculture by verifying advanced technologies, such as Live Camera, tractor using GPS technology, freshness-keeping technology and so on. |
| **Crops**        | Lettuce, Cabbage, Rice             |
Manual of Farm Working
Network Camera, Hyper-spectrum Camera

Network Camera

Hyper-spectrum data Analysis

Hyperspectrum Camera
GPS-Tractor
IR Fresher

Prevention of growth of the mold

without IR Fresher

with IR Fresher
Tracability System with Panasonic

- Shipment from Farm
- Store in warehouse
- Packing
- Check
- Shipment

Color Barcode
Tablet

Tracability System with Panasonic
Sumitomo Chemical’s “Total Solution Provider (TSP)”

- Fertilizer
- Seeds
- Irrigation materials
- Agricultural films
- Crop protection chemicals
- Integrated pest management (IPM) materials
- Agricultural product logistics and sales support
- Cultivation guidance
- Residue analysis
- Agricultural managers
  - Agricultural Judicial Person
- Management support systems