

光洋生物有机肥 KOYO ECO-FERTILIZER

富华农有机叶面肥 ORGAMIN ORGANIC FOLIAR LIQUID FERTILIZER

Koyo Bio-Tech Lab

Recycling ∞ Eco-Friendly ∞ Sustainable Development

KOYO'S MISSION

“With utilization of biotechnology, our goals aim to develop a sustainable ecosystem by recycling organic wastes and agriculture residues for the production of organic fertilizer.”

“To help farmers to increase yields and improve quality of produce.”

Koyo's Background

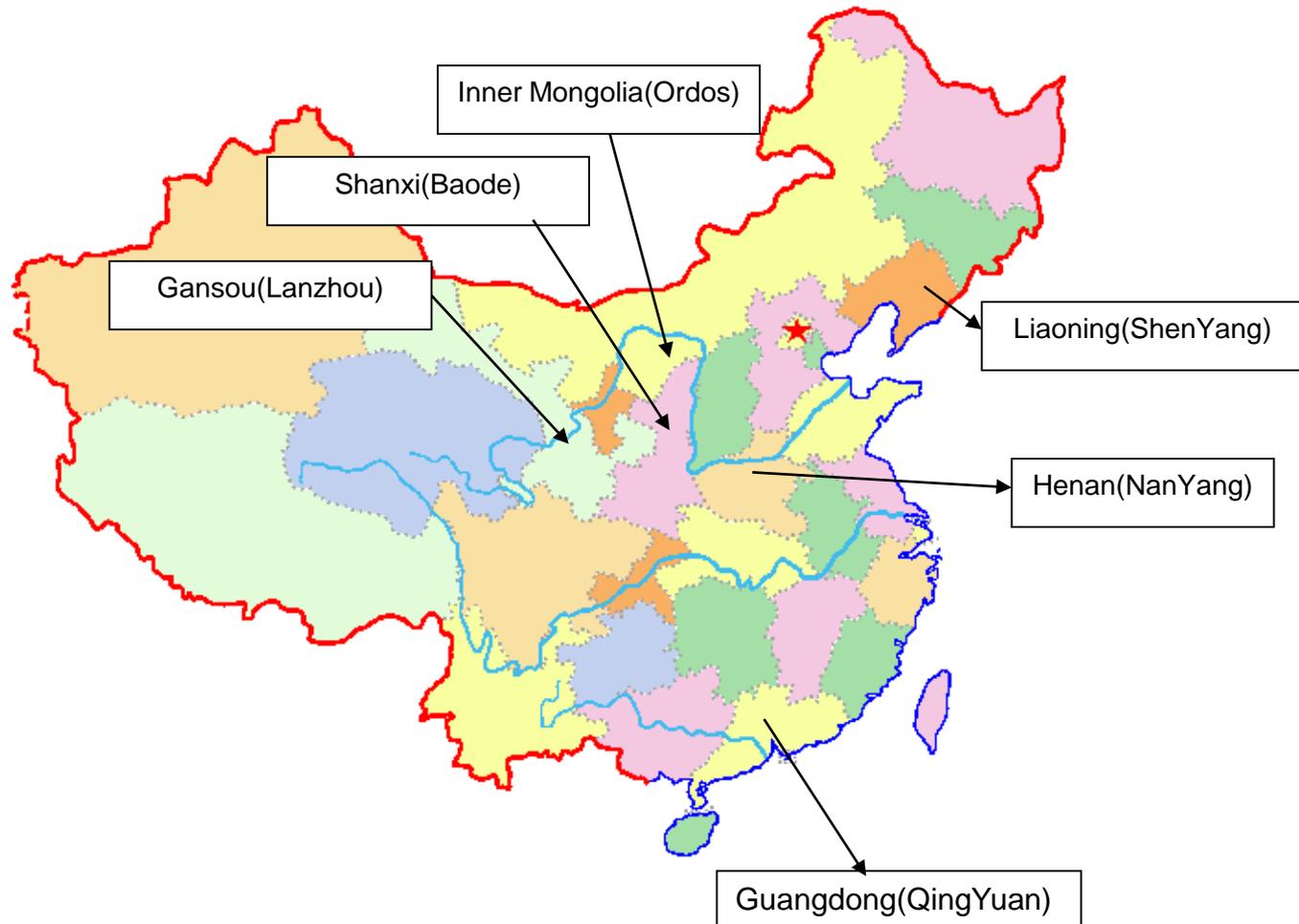
- Koyo has solid experiences of waste management: recycling poultry manure, green manure, crop residues, sewage sludge and etc for producing organic fertilizer. With utilization of specially-selected yeasts and enzymes, Koyo has successfully developed a series of patented “Multi-Functional” Eco-Fertilizer (powder-form and liquid-form).

Eco Fertilizer : Koyo Eco-Fertilizer (powder and liquid form with specially-selected yeasts and enzyme)

Foliar Fertilizer: ORGAMIN Organic Foliar Liquid Fertilizer (We are the sole agent and distributor in China. Imported from Brazil. Produced by Tropical Technical Agricola Ltda)

- Since 2006, we have already participated in various recycling projects in China including Guangdong, Henan, Gansu, Shanxi, Liaoning, Inner Mongolia and etc. The total production capacity of composting centers is about 100,000-200,000 tons per year. The bio-organic fertilizers are sold and distributed under different brands. Also, we have also being established a network of distribution for marketing ORGAMIN Organic Foliar Liquid Fertilizer in various regions.

Composting Centers in China



Gansu Province (Lanzhou area) Composting Center



This composting center is about 7-8 hectare and total investment is around 20 million. The whole center is divided by 3 parts(the main office building, indoor composting area and processing area, tipping floor). The first stage of construction is completed in April 2013. This recycling center is to collect and recycle the poultry feces(cow and pig), sludge and agricultural wastes such as vegetables residuals by composting. With the addition of micro-organisms and enzymes, the organic waste are decomposed into humus-like end product which gives to a multi-functional eco-fertilizer.

Gansu Province (Lanzhou area) Composting Center



Lanzhou composting center : including the office building, workers dormitory, tipping floor, indoor composting area, post-treatment area, packing area, warehouse, laboratory, greenhouse for trial crops and etc.

Gansu Province (Lanzhou area) Composting Center



The indoor composting plants, office building and staffs dormitories.

Gansu Province (Lanzhou area) Composting Center



The office building, workers dormitory and laboratory

Gansu Province (Lanzhou area) Composting Center



The tipping floor, indoor composting area, post-treatment area, packing area, warehouse and etc.

Gansu Province (Lanzhou area) Composting Center



Tipping floor: vegetable residues, cow manures and pig manures.

Gansu Province (Lanzhou area) Composting Center



Indoor composting area and compost turners

Gansu Province (Lanzhou area) Composting Center



Mixer and raw material receiving area



Post treatment equipments: crusher, siever and conveyor belts

Gansu Province (Lanzhou area) Composting Center



Finished product :
Eco-Fertilizer in powder form



Packaging : 40 kg per bag



Greenhouse : trial crops

ORGAMIN is produced in Brazil and the quality of ORGAMIN is complied with the EU and USA organic standard.



ORGAMIN has been sold worldwide (USA, Korea, Japan, Taiwan, Brazil, Philippines etc) for the last 20 years.



Packaging for China market
100ml & 1000ml

China, Hong Kong – Cherry Tomato



After using Koyo Eco-Fertilizer and Orgamin, the growth of cheery tomatoes is significant in term of yields and quality of cheery tomatoes. The color is bright and shape of cheery tomatoes is uniformed. Also, productivity is increased by the number of cheery tomatoes.

China, Guangdong Province – Eggplant



Application : Koyo Eco-Fertilizer 450 kg per 1000m² and Orgamin 1:500 dilution ,spray 4 times. Result: increase yield and improve quality of eggplant.

China, Guangdong Province - Banana



After the application of Koyo Eco-Fertilizer and Orgamin, the flowers of Banana trees bloom.



China, Guangdong Province - Banana



**After the application of Koyo Eco-Fertilizer and Orgamin,
the banana trees flourish in term of the productivity.
It proves that Koyo Eco-Fertilizer and Orgamin is able to increase yield by 15-20%**

China, Guangxi - Cassava



After the application of Koyo Eco-Fertilizer and Orgamin, the cassavas are large and thick that in turn increase the weight greatly. Also, the shape of cassavas are uniformed. Oh the other hand, the cassava of non-treated area is small and thin.

China, Guangxi Province– Water Melon



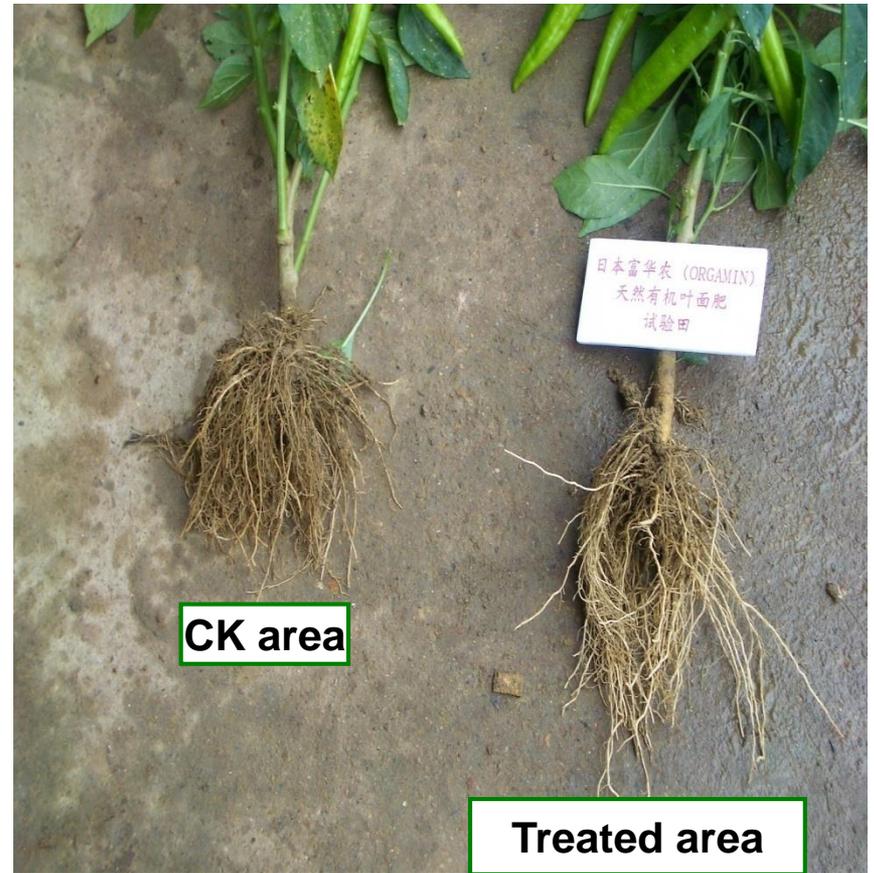
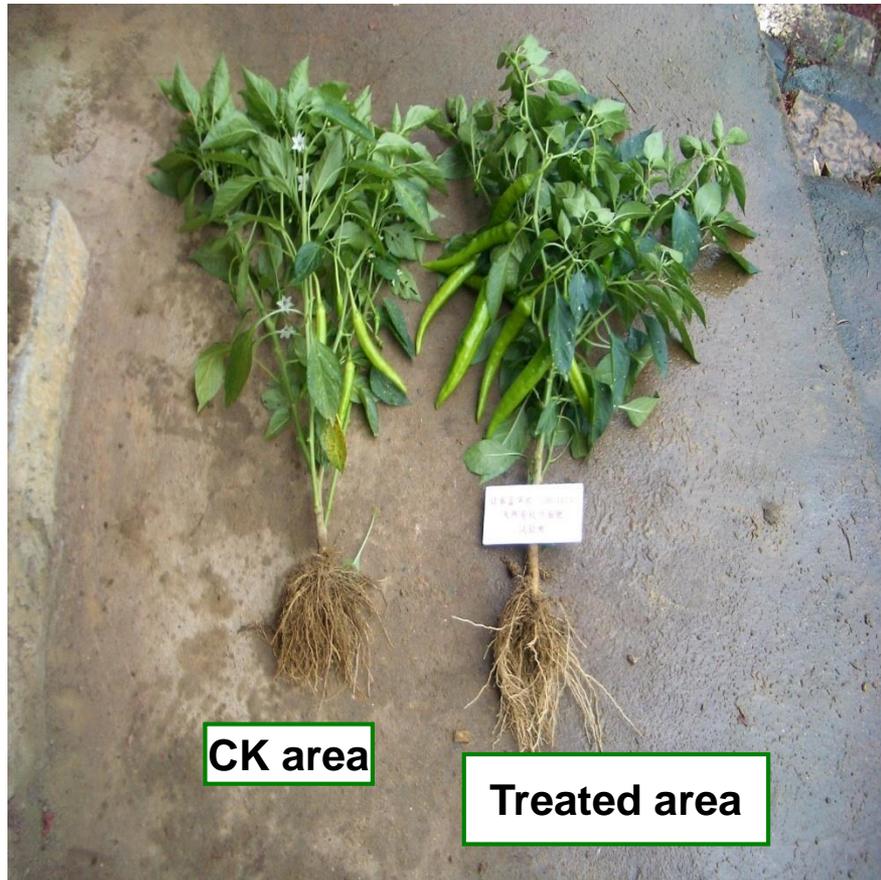
After the application of Koyo Eco-Fertilizer and Orgamin, water melon is large with high sugar content. Also, it has strong resistance to the diseases.

China, Gaungxi Province- Chili



After the application of Koyo Eco-Fertilizer and Orgamin, chilies are large and green. The productivity of each plant is increased in term of the number of chilies.

China, Guangxi Province- Chili



After the application of Koyo Eco-Fertilizer and Orgamin, the growth of roots is significant. The roots of treated area are long and thick. This implies the chilies have a better absorption of nutrients and water in the soil.

China, Guangxi Province- Eucalyptus

Treated
area



CK area



After using koyo eco-fertilizer and Orgamin, the trees are growing more faster than non-treated area. It shows that Orgamin is able to stimulate the growth of trees. The peeling of barks(treated area) shows the trees keep growing with thicker trunk. It can promote an early harvest than non-treated area.

China, Jiangxi - Orange



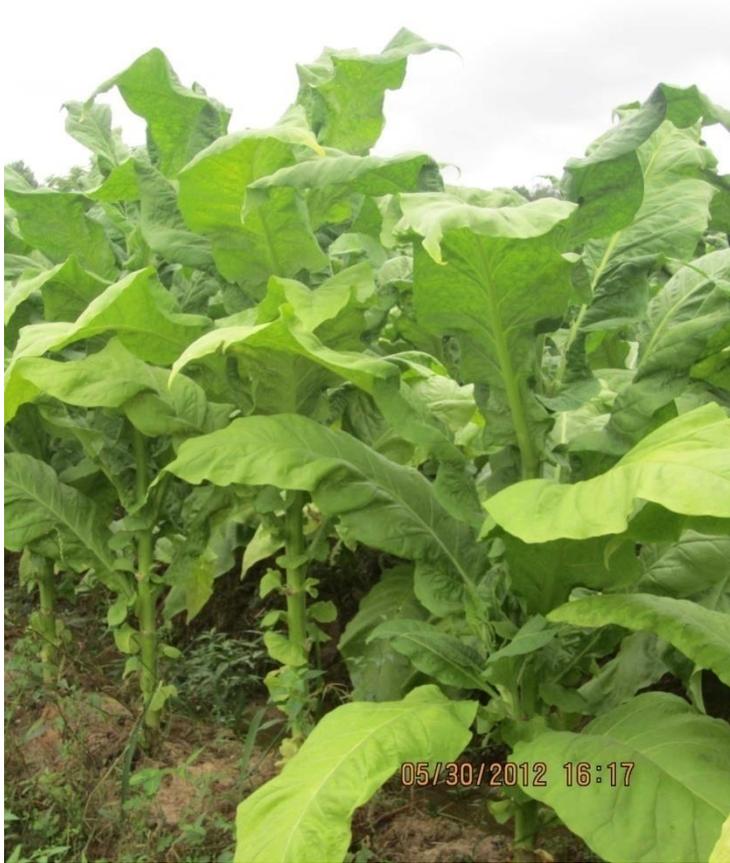
After using koyo eco-fertilizer and Orgamin, the growth of orange trees is significant in term of yields and quality of oranges. The color is nice and the shape is uniformed. Also, productivity is increased in term of the number of oranges.

China, Jiangxi - Orange



After using koyo eco-fertilizer and Orgamin, the sugar content is higher with better taste.

China, Jiangxi - Tobacco



After using Koyo Eco-fertilizer, and Orgamin, the tobacco leaves is large and thick. The yield is high.

China, Jiangxi - Radish



After using Koyo Eco-fertilizer, and Orgamin, the radish is large and heavy. It tastes fresh and crunchy.

China, Xinjiang Province - Cotton



After spraying Orgamin, the growth of cotton is significant in term of yields and improve quality of cotton. Also, the cotton has strong resistance to the pest and disease such as red spider mite and etc.

China, Xinjiang Province - Cotton



In the treated area(Orgamin), the roots system grow rigorously. It helps to absorb water and nutrients which give a higher productivity and high quality of cotton.

China, Xinjiang Province - Melon



In Tulufan area of Xinjiang Province, it has been famous for growing melon for many years. However, due to the prolonged use of chemical fertilizer, the soil and the quality of melon becomes poor. Also, the productivity is low in term of yields and income. In order to save the melon business, the local government has introduced Koyo Eco-Fertilizer and Orgamin foliar fertilizer to the local farmers. After the application, there is a great improvement in term of productivity and quality of melon. The growth of melon is significant in term of yields. The shape of melon is uniformed with nice pattern.

China, Hainan Province - Rambutan



After using Koyo Eco-Fertilizer, the growth of rambutan tree is significant in term of shortening the growing period from 4 years to 2 years. This imply that the 2-years tree is able to give fruits. This gives competitive edge of reducing the cost of production by early harvest.



China, Hainan Province - Rambutan



After using ORGAMIN, the productivity is increased by 50% in the year of 2006 with the increase of the number of fruits. Also, ORGAMIN is able to strengthen the resistance to diseases and to extreme condition such as high temperature and drought as well as improve the quality of rambutan in term of color, size and sugar content.

China, Hainan Province - Mango



Treated Area



CK Area

In the treated area(Koyo Eco-Fertilizer + Orgamin), the increase of productivity is significant in term of the number of mango compared to that of CK area.

China, Hainan Province - Mango



Treated area



Treated area



CK Area

In treated area(Koyo Eco-Fertilizer + Orgamin), mango is large without any dark spot. On the other hand, the mangos of CK area show there are dark spots on the skin which greatly affect the market value of mango.

China, Hunan Province - Cauliflower



Spray Orgamin 2 times : nursery and before transplant. It has already showed the growth of cauliflower in Orgamin-treated area is faster with larger leaves.

China, Hunan Province- Cucumber



**Orgamin-Treated
area**

**Spray Orgamin 2 times.
After the application of
Orgamin, the plants
flourish in Orgamin-
treated area with larger
leaves and grow faster
than the non-treated
area.**



CK area

China, Hunan Province - Potatoes



After the application of Orgamin, the plants have strong resistance to diseases. In non-treated area, the plants are died because of the roll-leaf disease.

China, Sichuan Province - Capsicum



In Orgamin-treated area, the plants flourish with larger capsicum. In non-treated area, the plants are stunted in term of growth.

China, Sichuan - Prune



After using Koyo Eco-Fertilizer and Orgamin, the growth of prune trees is significant in term of yields and quality of prune. The color is nice and the shape is uniformed. Also, productivity is increased by the number of prunes.

China, Sichuan - Grape



In Orgamin-treated area, the growth of vine is significant in term of number of grape. Also, the grape of Orgamin-treated area is much larger with bright color.



China, Sichuan - Pear



After using Orgamin, the growth of pear trees is significant in term of yields and quality of pear. The color is nice and the shape of pear is uniformed. Also, productivity is increased in term of the number of pears.

China, Shaanxi Province - Apple

After using Koyo Eco-Fertilizer and Orgamin, the growth of apple trees is significant in term of yields and quality of apples. The shape of apples is uniformed. Also, productivity is increased by the number of apples.



China, Shaanxi Province - Tomato



Application : Koyo Eco-Fertilizer 220 kg per 1000m² and Orgamin 1:500 dilution ,spray 4 times. Result: increase yield and improve quality of tomato.



China, Zhejiang Province - Asparagus

Since 2011, the number of greenhouse growing asparagus has been increasing. It is about 200 hectare in Changxin area. After using Koyo eco-fertilizer(375kgs/1000m² and Orgamin(spray 4-5 times), the growth of asparagus is significant. In the CK area, the growth of asparagus is stunted with shorter and weaker young asparagus.



Treated area
(Koyo Eco-Fertilizer + Orgamin)

CK area
(chemical fertilizer)

Promotion Activities – China, Hainan Province



We have liaised with the Hainan Tropical Crop Research Center to launch a workshop with local farmers so as to introduce the concept of organic produce and the know-how of growing tropical crops with Koyo Eco-Fertilizer and ORGAMIN.

Promotion Activities – China, Hainan Province



In 2005, we are liaised with the Ecological and Environmental Institution of Hainan Province to launch a meeting with local farmers so as to introduce the concept of organic produce and the know-how of growing tropical crops with Koyo Eco-Fertilizer and ORGAMIN.

Promotion Activities – China, Anhui



Anhui area is famous for growing black tea. In order to improve the growth of black tea, Anhui Tea Committee invited our experts to attend the conference. We urges the tea-growers to reduce the dosage of chemical fertilizer as it will affect the quality of tea badly.

Also, the application of eco-fertilizer is able to improve the soil condition such as organic matters and trace elements etc. as well as the physiology of the tea plant.

To help farmers to increase productivity and income with Koyo Eco-Fertilizer and ORGAMIN



A photograph of a tea plantation on a hillside. The tea bushes are arranged in neat, curved rows that follow the contours of the land. The plants are a vibrant green color. In the background, there are more hills and some trees. A person is visible in the distance, working in the tea field. The overall scene is peaceful and scenic.

Biotechnology helps to keep our environment clean and green as well as enhances human health and well-being.

Koyo Bio-Tech Lab