

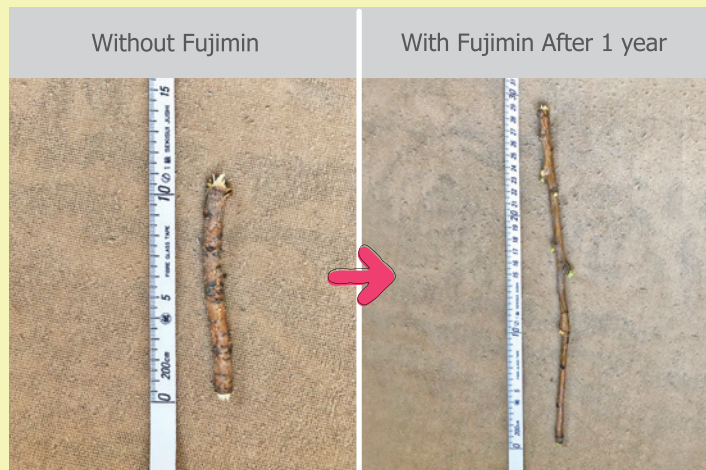
*Concentrated Fulvic Acid
Plant Activator*
Fujimin[®]



JAPAN CONSERVATION ENGINEERS & CO., LTD.

Agriculture

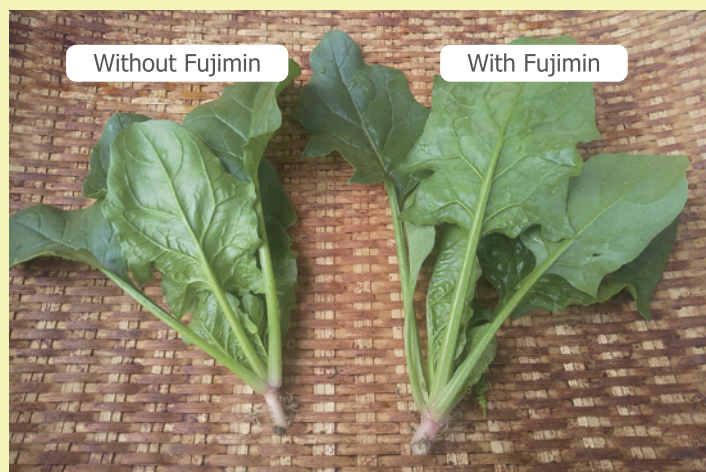
Fujimin was firstly sprayed on the soil within the root area of the peach tree which has a branch growth rate of approx. 13cm per year. The branches grew by more than 30cm one year later and more than 45cm two years later. Making the branches grow faster and larger brings more fruits and more yield.



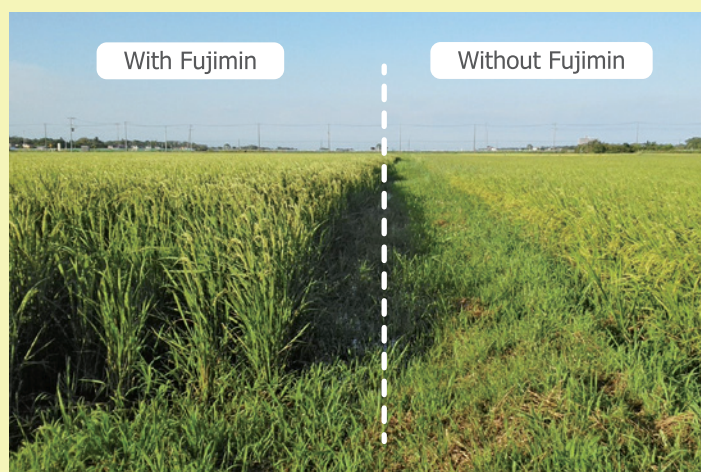
In response to the poorly growing lime trees due to the soil environment deterioration caused by poor management of the farmland, Fujimin was sprayed on the soil within the root area of the lime trees. As the result, a large difference in growth between with Fujimin and without Fujimin was recognized. More stable growth was brought by Fujimin, resulting in more increased yield of the lime.



When Fujimin was sprayed on the farmland where spinach was grown using organic farming methods, the stems and roots of the sprayed areas became thicker and the leaves grew larger than those of the unsprayed areas. The chelating effect of fulvic acid made it possible to harvest high quality spinach even in farmland with no agricultural chemicals and little fertilizer.




Fujimin was applied to paddy fields damaged by the tsunami to desalinate them, resulting in an increase in yield from 60 kg per ten ares following the tsunami to 540 kg after application and a taste appraisal score of over 80.





Fujimin was sprayed on a mulberry field that was thought to have poor growth due to accumulation of fertilizer in the soil, which would delay the harvest time. As a result, photosynthesis was activated and the fertilizer components in the soil were absorbed more efficiently, and the farmland was restored to a healthy state within a month after the application, just in time for the harvest.

Without Fujimin




With Fujimin





Photosynthesis before application: 0.42

Photosynthesis after application: 0.72



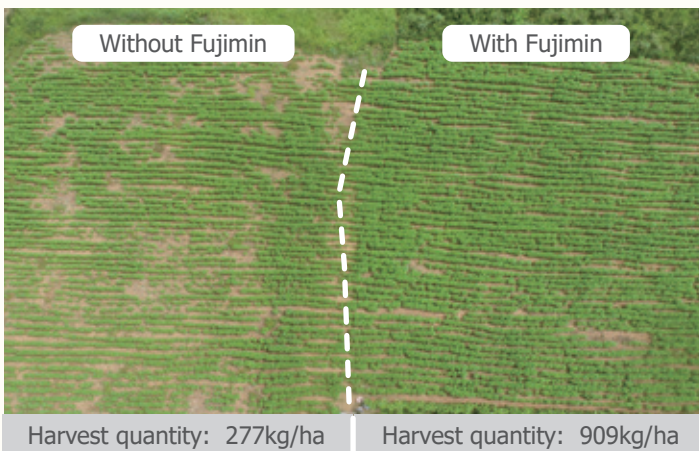
Overseas Use

Republic of Paraguay

When tomato plants were sprayed with Fujimin, the plants that were sprayed grew faster than those that were not sprayed, and it was possible to harvest more tomatoes that were darker in color and more mature. With faster growth, the number of harvests per year increased and the yield increased.



We verified the effect of Fujimin in sesame plantations. In the area where Fujimin was sprayed, the stems and roots became thicker and longer than in the area where it was not sprayed, and the number of fruiting clusters increased. As a result, the yield increased about three times compared to the unsprayed area.



People's Republic of China

In China, where strong salt accumulation areas had become infertile due to high pH and EC (electrical conductivity) values, Fujimin was applied for desalination and to improve the soil for growing corn. In recognition of this achievement, Fujimin was used to desalinate the land created in the coastal disaster prevention forest damaged by the tsunami of the Great East Japan Earthquake.



Green pepper plantations were sprayed with Fujimin, the green pepper in the sprayed areas became larger in size and thicker in flesh than those in unsprayed areas, and the individual weight increased. In addition, it was possible to ensure consistent quality with darker color and less variation in size.



Business development utilizing JICA projects

The project was selected as a JICA "Small and Medium Enterprises and SDGs Business Support Project - Project for Dissemination, Demonstration, and Business Development". In the Republic of Paraguay, crop yields are decreasing due to the deterioration of the soil environment caused by continuous crop failure and heavy fertilizer use. This project aims to improve the soil environment in Paraguay by using Fujimin, which will lead to improved crop quality and increased yields, thereby contributing to the improvement of the livelihoods of poor farmers and the correction of social disparities.

■ Major Awards Received by Fujimin

2019 Awarded the 28th Grand Prize for the Global Environment Award Minister of Agriculture, Forestry and Fisheries Award

2020 Awarded the 2020 Climate Change Action Award by the Minister of the Environment



Awarded the 28th Annual Global Environment Awards since 1992

Recipient of the Minister of Agriculture, Forestry and Fisheries Award

■ Product Specifications

Organic JAS : JASOM-160101

Fujimin patent : 5354633rd and 6322689th

HS code : 3824.99



Fujimin 1L



Fujimin 10L

■ Organic JAS

Organic JAS is the standard for organic agricultural products, which is one of the Japanese Agricultural Standards (JAS). The Organic JAS mark is allowed to be affixed on agricultural products after the accreditation by a certification body. Because Fujimin is not synthesized with chemicals, it can be used not only by organic farmers but also by farmers using conventional farming methods. When organic JAS materials are used for crops as prescribed, the crops can be recognized as organic JAS agricultural products.



JASOM-160101

■ About STePP

Fujimin has been registered in the Sustainable Technology Promotion Platform (STePP) managed by the United Nations Industrial Development Organization (UNIDO) ITPO Tokyo Office. The judgement of registration is based not only on technical aspects, such as applicability for developing and emerging countries, superiority to competitive technologies, or sustainability, but also on the business stance of the company concerned. Therefore, it is proved that this technology has been recognized as a superior technology for sustainable development in developing and emerging countries.



■ Contributions to the SDGs using Fujimin

Many regions around the world are in need of soil improvement due to adverse environments. Salt accumulation alone affects one-fourth of the world's agricultural land. Fujimin has been shown to improve soil on land with salt accumulation, so further overseas application is expected. In order to contribute to the Sustainable Development Goals (SDGs), we will continue deploying technologies using Fujimin both in Japan and overseas to help achieve the following five goals.



JCE JAPAN CONSERVATION ENGINEERS & CO., LTD.

3-18-5, Toranomon, Minato, Tokyo, 105-0001

Tel: 03-3432-3567

Fax: 03-3432-3576

Email: green@jce.co.jp

Web: <https://www.jce.co.jp/en/>



Company website



Official YouTube

July 31, 2021