

**Target Countries :**

**Course No. :** 201984698-J002

**No. :** 201984698

**Sector :** Agricultural Development/Other Agricultural Development

**Sub-Sector :**

**Language :** English

**Outline**

This training program aims to enhance soil diagnosis ability by conducting soil survey and soil sampling in the field, as well as by analyzing the soil from physical, chemical and biological aspects. Participants also learn knowledge and skills of farm management for sustainable agricultural production, with fertilizer application based on soil diagnosis and evaluation of composts and its effective use.

Objective/Outcome	Target Organization / Group	
<p><b>【Objective】</b>                      Soil survey, soil diagnosis (physical, chemical and biological) and soil improvement for farm management are shared in the target organizations.</p> <p><b>【Outcome】</b>                      1. To be able to explain the natural and man-caused conditions influencing soil formation and productivity                      2. To be able to explain the concepts and methods of soil diagnosis to achieve the quality and yield improvement of agricultural products                      3. To be able to explain proper farm management for sustainable agriculture, with fertilizer application and usage of organic matter for sustainable agriculture                      4. To make activity plan with knowledge and skills acquired in Japan</p>	<p><b>【Target Organization】</b>                      Agriculture related organization which is implementing / will implement soil analysis and diagnosis.</p> <p><b>【Target Group】</b>                      1. Be engaged in soil analysis, soil diagnosis or extension work based on soil diagnosis                      2. Have more than 3 years' experience in the fields of soil analysis and technical guidance of cultivation to farmers                      3. Not be a doctor's degree holder in the relevant field                      4. Preferably less than fifty years</p>	
<p><b>Contents</b></p> <p>In order to achieve sustainable agriculture without depending on high-cost machineries or equipment, the program consists of lectures, practices, and field visits to equip participants with basic knowledge and skills on soil diagnosis and improvement.</p> <p>[Preliminary Phase]                      Submission of report on the current state and the issues regarding soil diagnosis and Subjects interested on this program</p> <p>[Core Phase]                      Lectures, practices, site visits and discussions are scheduled on the subject as follows:                      1. Agriculture in Tokachi and in the world                      2. Soil survey, Soil analysis (including the introduction of non-destructive analysis), Application of soil diagnosis, Introduction of soil analysis with airborne imagery                      3. Effective use of compost and soil improvement materials, efforts for soil improvement in Japan                      4. Linkage of crop cultivation or control technique                      5. Discussion and making activity plan in order to solve the problems faced</p> <p>[Finalization Phase]                      1. Sharing of the knowledge and skills acquired in Japan</p>	<p><b>Course Period</b></p>	<p>2019/5~2019/7</p>
	<p><b>Department in Charge</b></p>	<p>Rural Development Department</p>
	<p><b>JICA Center</b></p>	<p>JICA Hokkaido (Obihiro)</p>
	<p><b>Cooperation Period</b></p>	<p>2018~2020</p>
<p><b>Implementing Partner</b></p>	<p>The Earth Cafe, Obihiro University of Agriculture and Veterinary Medicine</p>	
<p><b>Remarks and Website</b></p>		