

**THE SPREAD OF GOOD AGRICULTURAL PRACTICE (GLOBAL G.A.P.)
AND ITS EDUCATIONAL USE IN JAPAN**

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ABSTRACT

In the world, sustainable agriculture is necessary to answer food demand due to future population increase. There is GAP as a concrete idea for that. Also in Japan, it is useful as a tool for sustainable agricultural production, but besides that, producers introducing GAP are increasing for agricultural exports and safe food supply. This paper introduces case examples of Japan's GAP (GLOBAL GAP) introduction and summarize the effect and the approach of Tokyo University of Agriculture on its farm, and discusses about the spread of GAP in the future.

INTRODUCTION

As it is well known, the world's population is increasing explosively and is said to be 9.6 billion in 2050(UN DESA). It is estimated that it is necessary to increase food production by 70% compared with the present to meet the food demand of this growing population (FAO). Agriculture, forestry, and fishery produce this food and raw materials, but this paper focuses on only agriculture to clarify the discussion.

Looked out over the world, there are many areas where agricultural water is depleted in the process of developing agricultural production to meet food demand. In 2030, it is also predicted that over 50% of the world's population will fall into water and food shortages (Antequera, 2015).

On the other hand, looking back to Japan, the situation differs significantly from overseas. Although there is abundant water, however, due to the aging of farmers and the severity of agricultural work, the Japanese agricultural sector has been tapering uneasily such as few young people are will to work in the agricultural sector.

To satisfy the increasing demand for food, it is necessary to develop economically, socially and environmentally sustainable agricultural production around the world, and various efforts are being made. One particular approach is GAP (Good Agricultural Practice). This article focus on GAP,