

Intercropping system concerned agricultural sustainability based on natural resources management

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Abstract

Agriculture is one of the basic developments for sustainable goal. Many production systems are focused on higher crops yield. Thus, chemical fertilizer and pesticide are widely used for this proposes as known as the green revolution. However, harmful on being used those chemical agents are effects on living thing and environment. To be sustainable in agriculture for human life and environment, better change the production system by managing eco-agriculture landscapes for both production and conservation. Agro-forestry, permaculture, inter- or mixed cropping systems has been a traditional practice for a long time for farmers to plant an average of a dozen species of plants on plots no larger than one-tenth of a hectare. Intercropping system helps conserved and improved soil fertility, more effective potential for pest, diseases and weed reduction. This system also had more effective use of water, nutrient uptake, enhance crop productivity. It supports biodiversity and become the rule of balance agriculture based on natural resources management.

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