

Drastic change in rice cropping in Pursat province, Cambodia

Ye Rong Ling¹⁾, Daiki Saito¹⁾, Koki Homma^{1)*}, Satoru Kobayashi²⁾, Kenjiro Yagura³⁾, Hor Sanara⁴⁾,
Kim Soben⁴⁾

¹⁾ *Graduate School of Agricultural Science, Tohoku University, 468-1 Aramaki Aza Aoba, Aobaku, Sendai, Japan*

²⁾ *Faculty of Economics, Hannan University, Japan*

³⁾ *Graduate School of Asian Area Studies, Kyoto University, Japan*

⁴⁾ *Graduate School, Royal University of Agriculture, Cambodia*

Abstract

Rice cropping in Cambodia was commonly classified into 4 types: rainfed rice, irrigated rice, floating rice and recession rice. The cropping type has been selected by farmers depended on water condition in each locations. However, recent technological and social change enforce famers to adapt new management of rice cropping. This study aimed to clarify the change in rice cropping and problems for future. Interviews to farmers has been conducted several times in Pursat province, which is one of the major rice production provinces in Cambodia. The last interview was conducted in March 2017, and focused on change in rice cropping for 10 years. Statistical data was obtained from Provincial Ministry of Agriculture in Pursat. The satellite data (LAI products derived from MODIS) was used to quantify change in cropping pattern. The statistical data shows increase in production and yield of rice, dry season rice and so on.

Keywords: dry season rice, interviews to farmers, rice cropping, satellite data. Small pump.

Corresponding author*

Koki Homma

Graduate School of Agricultural Science, Tohoku University

468-1 Aramaki Aza Aoba, Aoba, Sendai 980-0845, Japan

Tel / Fax: +81-22-757-4083 / 4087

E-mail: koki.homma.d6@tohoku.ac.jp