

Jirawat Klomklorm 2007: An Economic Analysis of Maize Production in Amphoe Kabinburi Changwat Prachinburi , 2005/06 Crop Year. Master of Science (Agricultural Economics), Major Field: Agricultural Economic, Department of Agricultural and Resource Economics. Thesis Advisor: Assistant Professor Nongnuch Angyurekul, M.B.A. 113 pages.

The objectives of this study were to study the production, cost and return of maize production and economic efficiency of input. This study can be used as a guideline to maximize the profit from maize production.

The result of Cobb-Douglas production function revealed that factors significantly affecting the maize were cash expense for the chemical and expenditure on labor. To maximize profit the farmers should increase the level of using the chemical and decrease expenditure on labor. Considering cost and the return of growing maize, it was found the average yield and the average price of the farmers were higher than of the break event point. The cost and return analysis revealed that farmers in the 1-15 farm size got a net profit of 226.54 bath per rai, in the 16-40 farm size group got a net profit of 327.20 bath per rai. The cost and return analysis revealed that farmers in the 41 farm size group got a net profit of 248.99 bath per rai.

As much consideration on analysis results, attention should be paid on the policy recommendation such as supporting policy and knowledge transference to farmers and developing water sources . These will be recommended for supporting and promoting maize around the country.