

Amonrat Pumnumkem 2007: Farmer's Adoption on Safety Vegetable Cultivation in The Royal Highland Agricultural Development Phukad Phumieng Phusoidao. Master of Science (Agricultural Extension), Major Field: Agricultural Extension, Department of Agricultural Extension and Communication. Thesis Advisor: Associate Professor Chatcharee Naritoom, Ph.D. 162 pages.

The objectives of this research were 1) socio – economic characteristics of farmer are 2) their knowledge on safety vegetable. 3) Socio – economic characteristics of farmer's relating to the adoption on safety vegetable cultivation in the royal highland agricultural Development phukad phumieng phusoidao. 4) Farmer's problem and suggestion . Populations were 76 farmers under royal highland agricultural Development phukad phumieng phusoidao. Interview was employed to gather in information. Statistics included percentage and chi – square for testing hypotheses.

The study revealed that a majority of the farmers were female. The farmers were 40.6 years old in average, educational level were Grade 6, the average of members per household were 4 person. They had 3 farm family labors. A majority of them have experienced in safety vegetable cultivation were 1.2 years in their own land. Their average land holding was 15 rais. The agricultural of land holding for production were 4.9 rais. The average of in comes were 45,786.9 baht per year average of expenditure were 32,252.8 baht per year. The dangers of insecticide 90.8% and to know about the dangers of insecticide from agricultural officer. Farmers were persuaded from agricultural officer to be a members for farmer group, the farmers' derived information on safety vegetable cultivation from agricultural officer, sold the products to private the royal highland agricultural development phukad phumieng phusoidao. The farmers adopted in safe vegetable production at moderate level and the most serious problems were high cost of production factors.

The hypothes testing illustrated the age , level of education , experiences on safety vegetable , in come , farm family labor , land holding for production , overwhelmed by insecticides related to their adoption on safety vegetable .

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