

Ampika Chamjai 2014: Participation in Implementation on Rice Seed Production of Community Rice Center Members in Pathum Thani Province. Master of Science (Agricultural Extension), Major Field: Agricultural Extension, Department of Agricultural Extension and Communication. Thesis Advisor: Assistant Professor Panamas Treewannakul, Ph.D. 120 pages.

This research was conducted to study the basic personal factor, socio-economic factor, exposure to agricultural information, participation in rice seed production implementation of Community Rice Center members and the relationship between the basic personal factor, socio-economic factor, exposure to agricultural information and participation in rice seed production implementation of Community Rice Center members. Data were collected from 125 farmers in Pathum Thani province by using an interview schedule. Data were analyzed and presented by percentages and arithmetic mean. The hypotheses were tested by using Chi-square at 0.05 level of significance.

The surveyed results showed that of farmers were males (65.6 percent). The average age of farmers was 49.3 years old and the highest educational level was primary education (65.6 percent). The average term in settlement was 39.8 years. The average household member was 4 persons. Almost half of farmers held land rented from others (40.0 percent). The average income of them was 495,828 Baht/year and average expenditure was 227,800 Baht/year. The average of experience in rice production was 28.3 years. Most of them were social group membership (84.8 percent) but having no social positions (81.6 percent).

Most farmers participated in rice seed production implementation of Community Rice Center members in the group decision making, the group implementation, the group benefits, and the group evaluation except for participation in the group benefits, most farmers did not participate in selling rice seed (55.2 percent).

Hypothesis testing revealed that factors relating to the participation in rice seed production implementation of Community Rice Center members were: 1) period of settlement, farm holding area, income, experience in rice production, social group membership, and exposure to agricultural information related to the group decision making, 2) farm holding area, holding social positions, and exposure to agricultural information related to the group implementation, 3) farm holding area, social group membership, holding social positions, and exposure to agricultural information related to the group benefits, and 4) education level, period of settlement, farm holding area, experience in rice production, holding social positions, and exposure to agricultural information related to the group evaluation.

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Thesis Advisor's signature