

Paradorn Tepparnich 2008: Information Technology Factors Affecting the Operation of Agricultural Technology Transfer and Service Centers, in Changwat Pathum Thani. Master of Science (Agricultural Extension and Communication), Major Field: Agricultural Extension, Department of Agricultural Extension and Communication. Thesis Advisor: Associate Professor Pichai Tongdeelert, Ph.D. 138 pages.

The objectives of this research were to define the socio - economic of the committee members, information technology factors, technology transfer factors and the relationship between information technology and technology transfer factors to the operation of agricultural technology transfer and service center in changwat Pathumthani. Data were collected from 129 committee members by questionnaire. Statistical analysis included percentage and arithmetic mean. Chi-square was employed to test hypotheses.

The result revealed that average age of the committee members was 48 years old. Most of them obtained primary-secondary education . The important information technology factors affecting to operation were information technology equipments, communication channel, environment, transferring methods and their knowledge. To the part of problems, lack of budget, lack of information technology equipments and inappropriate location of the centers.

The results of hypotheses testing illustrated that there were relationships between 1) level of committee members knowledge factor and technology transfer plan management, technology transfer report, farmers record management. 2) technology transfer method factor and technology transfer operation, technology transfer report, forecasting and warning. 3) information technology environment factor and technology transfer report, farmers record management. 4) communication channel factor and technology transfer plan management, technology transfer operation, technology transfer report, farmers record management and forecasting and warning at .05 significant level.

P. Tepparnich.
Student's signature

P. Tongdeelert. 25/05/2008.
Thesis Advisor's signature