

# # C623577 : MAJOR STATISTICS

KEY WORD: STRATIFIED RANDOM SAMPLING / CROP / SURVEY

KRITTIYA IAMSUDHA : A COMPARISON ON THE CROP SURVEY DESIGNS IN  
CHIANGMAI PROVINCE : THESIS ADVISOR : PROF.SORRACHAI  
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The objective of this study is to find the optimum design for crop survey in Chiangmai. In this study, we compare Stratified One-Stage Sampling, which is using in the Office of Agricultural Economics with Stratified Two-Stage Sampling, which the researcher expect to be the best design in this study.

By considering under the following conditions the number of villages used for both designs and the error of the estimates for the propose design is not higher than the error of the estimate using in the present time.

By comparing the coefficient of variation of the two designs under the condition mentioned before , The optimum design for crop survey was Stratified two-stage Sampling with sample of 37 % of total farm household.

ภาควิชา.....STATISTICS.....

สาขาวิชา.....STATISTICS.....

ปีการศึกษา.....2539.....

ลายมือชื่อนิสิต.....*กฤติยา อามสุธา*.....

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