

This Thesis studies the cost and return on investment in lychee growing for Honghuay and Khom cultivars in 1989/1990. The growing areas selected for the study are Chiang Mai and Chiang Rai Province for Honghuay cultivar and Samut Songkhram Province for Khom cultivar. The areas of Honghuay cultivar are divided into two sizes, 5-15 rais and 16-50 rais, while the areas of Khom cultivar are mostly 5-15 rais. The average cost and return per rai per year of each scale area and from year 1-15 are analysed.

The results of the study can be concluded that, for 5-15 rais and 16-50 rais of Honghuay, the average cost per year per rai in the 5th-15th year are between 8,334.25 - 14,974.50 baht and 8,399.57 - 14,774.72 baht, and average revenue per year per rai are between 8,274.00 - 29,610.00 baht and 8,358.00 - 29,253.00 baht. The total net profit per rai are 81,719.70 baht and 82,402.85 baht which are 38.72% and 38.94% of the total income. For the areas of 5-15 rais of Khom, the average cost and revenue per year per rai during the 4th-15th year are between 6,189.41 - 13,622.11 baht and 5,760.00 - 86,700.00 baht and the total net profit per rai are 452,691.04 baht which are 78.76% of the total income.

The results of the analysis showed that in the area of 5-15 rais and 16-50 rais of Honghuay and 5-15 rais of Khom cultivars, the return on investment are 31.15% 30.52% and 185.55% respectively. The pay back period of 13 rais, 30 rais of Honghuay and 5 rais of Khom cultivars are 8 years, 8 years and 5 1/2 years respectively. With the minimum required investment return of 12.5%, 13.0% and 17.5%, the net present value method analysis gives the plus result. They would yield internal rate of return of 22.53% 21.99% and 45.58% respectively.