ABSTRACT

Raising of papaya nursery is quite difficult due to low temperature in winter season. Looking to the importance and temperature requirement for nursery raising for proper growth in winter, Papaya (Carica papaya) were selected for experiment under arch shape greenhouse. The total construction cost of 80 m$^2$ arch shape greenhouse was Rs.100000/-/-. Out of total 80 m$^2$ floor area, 55 m$^2$ area is used for plant seedling and 25 m$^2$ areas is left for movement in the greenhouse carrying out agricultural operations. In 55 m$^2$ area of greenhouse, 9700 seedling could be raised with 0.075 x 0.075 m spacing in 20 pits. Suitability of the economics of greenhouse, four economic indicators such as net present worth, internal rate of return, benefit cost ratio and pay back period were calculated for papaya nursery.

Key words: Net present worth, Internal rate of return, Benefit cost ratio and pay back period.