

Studies on factors affecting beansprout cultivation, by comparison of materials used in germinating container, seed soaking periods, frequency of watering, using promoting chemical, were conducted at Rajamangala Institute of Technology, Phitsanulok Campus from November 2000 to September 2001. There were 4 experiments in CRD. The first one varied in 3 seed soaking periods :- 2, 4 and 6 hours before planting on stripped fresh banana leaves in 40 liter plastic bin. Six hours seed soaking showed the highest figures and significant difference among treatments in hypocotyl length, weight per 100 sprout and total yield, while soaking only 2 hours showed the lowest ones. The second experiment varied in germinating material :- stripped fresh and dry banana leaves and fresh longan leaves. Fresh longan leaves and stripped dry banana leaves showed greater overall result than fresh banana leaves. The third one experimented to compare 3 watering frequency :- every 2, 4 and 6 hours using stripped fresh banana leaves as germinating material. Every 2 hours watering period gave the highest significant difference in results in all except root length while every 6 hours showed the lowest figures. The last experiment was conducted in order to use 0, 2 and 4 ml of promoting chemical dissolved in 200 ml of water at watering frequency every 2 hours the best concentration was 4 ml/ 200 ml of water which gave the shortest root but the highest figures in 100 sprout weight, hypocotyl diameter and total yield.