This study was conducted to investigate the effect of pruning for seed production in *Pinus densiflora* seed orchard. The test site was located in Anmyun-do, Chungnam province, which was established in 1977. From 1988 to 1995, the 1st pruning was executed in this test site. In 2001, the 2nd pruning was executed with several pruning methods such as top pruning, top + branch pruning, top + branch pruning + branch trimming. After 2nd pruning, the growth characteristics of pruned trees had been examined for five years. The number of female flower was largely decreased in 1st and 2nd year after pruning, which was due to the diminishment of number of branch containing flower bud by pruning. In 3rd and 4th years after pruning, however, the number of female flower and seed production were increased than that of non-pruned trees. Cone survival rate and seed quality of pruned trees were similar or higher than that of non-pruned trees. Overall, it was suggested that the top + branch pruning + branch trimming was superior to others in *Pinus densiflora*. 