A total of 133 observations on mean daily mass gains from 19 calves reared on either whole milk (control) or preserved colostrum (treatment) were estimated. The control group had a total of 104 observations computed, while the treatment group had a total of 29 observations. There was no significant difference in the overall mean daily mass gains between the treatment and control groups which were 0.2257 and 0.3607 kg, respectively (P < 0.1). Partial budgeting analysis estimated that with an annual calf crop of 80 calves, the use of preserved colostrum would result in a direct saving of an estimated US$1,800 per year for the farm.