There are three main dairy lamb rearing systems. These are: artificial rearing, lamb rearing by ewe, and lamb rearing by ewe while the ewe is also milked. A large amount of milk is lost when lambs remain with ewes; there is a potential loss of profit, so some systems avoid this. A research project will compare lamb growth rates, nutrition, morbidity, and mortality between systems. High growth rates are the target; allowing earlier weaning and cost minimisation, especially in artificial rearing systems. The literature reaches conflicting conclusions about which system has highest growth rate. Therefore research will be carried out to compare systems within New Zealand.