

Abstract

The objective of research on this project to develop pig crossbreed that fit under environmental highlands conditions that low food quality. An agricultural waste material, local banana has a energy source and low quality protein source. The production of pig was less. Low number of litter size. The carcass is high fat. That has to develop varieties that are suited to the environmental conditions pararel with farming systems that use agricultural waste or banana trees are suitable for growing pigs. The program is to develop native pigs to be mother line cross with meishan to produce the crossbred. For G1 crossbred (meishan x native), The first litter was born 10 piglets, the average birth weight was 1.04 kg and average weaning weight 6.57 kg. An average teat was 15.8. The growth rate of F1 crossbred higher than native pig. There was no loss before weaning. Then G1 crossbred (native x meishan), the first litter was born 11 piglets. The average birth weight 0.81 kg per piglet, weaning weight average 4.05 kg per piglet an average of teat 14.5. Found that traditional mothers weigh less than Meishan mother. The weight of Meishan sows higher than native sow to feeding piglets and give higher birth weight and weaning weight. Mother behaviors show in meishan and native, take care the piglet very well. The pure line of Native pig collected from village on highland farm to screening the appropriated production and high immune. A total of 30 gilts were recorded in the production and growth rate. The data from the first year, the crossbred between native species and Meishan improved the number of teat and growth rate.

For the first year, crossing between native line and Meishan line need to develop native line to a greater number of litter size. The G1 is higher number of teat and better growth rates than native line. But the color is not black all body. And also have to test the productivity and growth continued in the second year to provide information on the characteristics of the actual yield of crossbred Meishan with native pig.