

Abstract

The improvement of crossbred pig (Native) for raising on highland area. This project was continue from the first year that was got the cross bred (F1) from Meishan x Native. This cross bred will be high litter size and highland environmental tolerant etc. lack of feed. This condition might be test for the crossbred for improve the high productivity from the cross bred. Feed for pig on the highland was the waste from agriculture filed or banana stem. For F1 crossbred (meishan x native), the gilt from Line 3 (M50%, N50%) crossed with boar from line 4 (M50%, N50%) (No. 3204, 3202, 3210). Total born alive from 3 sows was low around 3-5 piglet per sow. Birth weight around 0.88-0.89 kg., weaning weight at 30 days approximately 5.32-6.69 kg. For gilts from line 4 (N50%, M50%) crossed with boar from line 3 (N50%, M50%) (2104, 2108, 2111). Total born alive was approximate 8-9 piglet per sow. Birth weight around 0.77-1.02 kg. and weaning weight at 30 days approximately 5.58-6.57 kg. All piglets were black. For F2 crossbred (meishan x native) cross with Duroc to produced 3 line cross bred. The gilt from line 3 (M50%, N50%) crossed with Duroc (No. 3108, 3104, 3210, 3308). Total born alive from 3108 was 9 piglets. Birth weight 1.10 kg, weaning weight at 30 days 6.71 kg. Average daily gain during weaning periods was 175.45 g/day and after weaning to 76 days old was 240.39 g/day.

For pure line, Native pig produced pure line. Sow no. 502 farrowed 6 piglets, 4 females and 2 male. Weaning weight was 4.14 kg. Average daily gain was 110.6 g/day during weaning period. Sow no. 402 was farrowed 4 piglets, 1 female and 3 male. Average birth weight was 0.74 kg. And sow no. 404 farrowed 6 piglets, 3 female and 3 male. Average birth weight was 0.66 kg. For Meishan pure line was produce by no. 1220. Total born alive 6 of male, birth weight 1.18 kg and average daily gain was 216.33 g/day during weaning period.

On test F1 cross bred pig (meishan x native) under highland raising system, 4 farms was test for efficiency for cross bred. The first farm was mr. chon saokum that 4 pigs on test in this farm. Second farm was mr.Udon karawong. This farm was 4 pigs on test. For third farm was mr.sukum kudlong. This farm was the same number as before. Three farms were established in Mae na district, Chang dao, Chaing mai. The other farm was established on the mountain in Hang dong district, Chaing mai. This farm was 16 pigs on test. The result were found from 4 farms that cross bred (meishan x native) adjust themselves with low quality of feed on the highland system