

Abstract

The objective of this project for improvement of crossbred pig (Native) for raising on highland area. Selection and maintenance of native and Meishan for producing high effective crossbred. This project brought meishan pure line from Nakornratchasima about 4 pigs for breeding. Breeding 4 pigs M01, M02, 1220 and P2018. The entire piglet was black except 4 foot. M01 gave born alive 6 piglets, average birth weight at 0.91 kg. and weight on weaning 30 day at 7.22 kg. Then, M02 gave born alive 8 piglets, average birth weight at 1.29 kg and weight on weaning 30 day at 7.22 kg. For number 1220 gave born alive 5 piglets and number 2018 gave born alive 7 piglets and average birth weight at 0.81 kg. For pure native, breeding of native pig was 4 pairs etc. 0406, 0503, 0706 และ 0702. Number 406 gave born alive 7 piglets, average birth weight at 0.81 kg and weight on weaning 30 day at 4.56 kg. The entire piglet was black skin and hair 4 piglets but 3 piglets found white in part of leg and belly. Number 0503 gave born alive 6 piglets, average birth weight at 0.75 kg and weight on weaning 30 day at 4.98 kg. Number 0706 gave born alive 5 piglets, average birth weight at 0.71 kg and weight on weaning 30 day at 5.04 kg. Number 0702 gave born alive 4 piglets, weight on weaning 30 day at 4.41 kg.

On performance testing of purebred pigs and crossbred under highland condition for studying adaptation of the pigs. Selected 4 meishane, 3 native for 3 farmers in Mon-ngo royal project, T. soguy A.Maeteang Chiang Mai. For Mr.DongKam farm, Native and Meishan have average growth rate 393 and 540 g/day in 73 days. But Mr.Tavee farm, Meishan have average growth rate 329 g/day in 73 days. Because of the low feed quality . For Mr.Pramon farm, Meishan have average growth rate 658 g/day in 73 days. In this farm have high growth rate that come from the good quality of feed. That was supplement with the waste from pumpin. This two pure breed have efficiency to raise on the high land area under the term of low quality of the feed. Only the carcasses, Farmer do not appreciated very much.

For the performance testing on crossbred (MeishanxNative), On site at Mon-ngo royal project, T. soguy A.maeteang, Chiang Mai. At Mr.Tavee farm, Crossbred 3 pigs were raised. Result show growth rate 214 g/day in 103 days and low feed quality. For Mr. Pramon farm, 3 crossbred pig have average growth rate 473 g/day in 103 days. This crossbred breed have efficiency to raise on the high land area under the term of low quality of the feed.

For the performance testing on crossbred (MeishanxNativexDuroc) at Wat-chan royalproject, A.Kanlayaviwatthana, Chiang Mai. Total crossbred pigs 8 pigs, raised 4 pigs on the concrete floor. Crossbred pigs have average growth rate 274 g/day in 140 days. pig feed was concentrate feed around 1.0-1.5 kg/pig/day. And Ms.Boontip farm raised 4 pigs under deep pit condition. They have average growth rate 329 g/day in 140 day and good

health. Other attitude at Huay-pao, T. Mae na di, A. Chang dao, Chaing mai. For Mr.Udon farm raised 4 pigs under deep pit system. They have average growth rate 339 g/day in 126 days. And feed was low quality etc. banana stem, plants and concentrate 200 g/pig/day. That was carry protein 3.2 % gross energy 937 cal/g. For Mr.Sukum farm raised 4 crossbred pigs under deep pit system. Average growth rate was 381 g/day in 126 days. Then the carcasses of crossbred have good and high carcass weight 63.55 % from live weight, less back fat (2.06-2.37 cm) and red meat much more than pure breed and two line crossbred. For farmer was appreciated in quality of crossbred carcass (MeishanxNativexDuroc).

