The objective of this study was to examine the in vitam and post mortem feeding effects in “Nero Siciliano” fattening pigs fed on different diets.

**OBJECTIVE**

The individual weight was recorded and the ADG calculated every month. After slaughtering (90 days), the thickness of the back-fat was measured and the yield was calculated. From loin a sample cut was isolated and dissected into the major tissues. Moreover on Longissimus lumborum muscle (Ll) were determined:

- At 45 minutes and at 24 hours post-mortem, pH1 and pHu
- chemical composition
- weight loss
- shear force
- colour parameters L*, a* and b*

The obtained data were subjected to the GLM procedure of SAS (2001).

**RESULTS**

The type of diet used during fattening does influence partially the in vitam and post mortem performances of “Nero Siciliano” pigs.

**MATERIAL & METHODS**

24 “Nero Siciliano” pigs were used. Animals were assigned to two groups called Acorn (A) and Barley (B), consisting of 12 animals each. Animals of group A were kept in a wooded area of 12 hectares, and fed with acorn during the fattening period (90 days). Animals of group B were reared within an open-air system in the same rural region and fed with germinated barley on a basis of 2.5 kg/pig/d.

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Acknowledgments: Research financed by Ministry of the University and Research (PRIN 2005 - Prof. A. Zumbo) and University of Messina fund (PRA 2005 - Prof. A. Zumbo)