Properties and aromatic profile of dry-fermented sausages produced from Krškopolje pigs reared under organic and conventional rearing regime

M. Škrlep, M. Čandek-Potokar, U. Tomažin, N. Batorek Lukač and M. Flores

Supplementary Table S1 Composition of feed mixtures1 and performance of pigs raised in organic (ECO) and conventional (CON) production system

|  |  |  |
| --- | --- | --- |
|  | ECO | CON |
| Ingredients (%) |  |  |
| Barley | 76.4 | 74.5 |
| Soybean cake | 8.3 | 6.0 |
| Sunflower cake | 10.0 | 8.0 |
| Wheat feed flour | / | 5.4 |
| Molasses (sugarcane) | 3.0 | 3.0 |
| Calcium carbonate | 1.1 | 0.96 |
| Salt | 0.34 | 0.34 |
| Monocalcium phosphate | 0.69 | 0.24 |
| Vitamin and trace mineral mixture | / | 0.50 |
| Amino acid supplement | / | 0.87 |
| Lignosulphonate | / | 0.25 |
| Mineral supplement (Fe, Cu, Zn, Mn, Se) | 0.07 | / |
| Vitamin A | 0.001 | / |
| Vitamin E | 0.10 | / |
| Chemical composition |  |  |
| Dry matter (DM; g/kg) | 876 | 880 |
| Crude ash (g/kg DM) | 53 | 49 |
| Crude protein (g/kg DM) | 147 | 154 |
| Crude fat (g/kg DM) | 34 | 31 |
| Crude fibre (g/kg DM) | 73 | 69 |
| Nitrogen-free extract (g/kg DM) | 693 | 697 |
| Metabolisable energy (MJ/kg DM) | 14.2 | 14.4 |
| Pig performance traits2 |  |  |
| Initial live weight, kg | 66.4 ± 8.9 | 69.4 ± 11.8 |
| Final live weight, kg | 124.3 ± 12.2 | 120.4 ± 15.8 |
| Feed disappearance, kg/pig/day | 3.37 | 3.38 |
| Daily gain, g/day | 792 ± 104 | 700 ± 151. |
| Back fat thickness at last rib, mm | 37 ± 7 | 37 ± 4 |

1Daily feed allowance was limited to 3.5 kg/pig for both treatments, actually registered feed disappearance of the concentrate was 3.37 and 3.38 kg/pig/day for ECO and CON group, respectively. Pigs in organic rearing system received alfalfa hay on *ad libitum* basis.

2The values are reported as means±standard deviation. Statistical analysis showed no significant differences (P<0.05) among the treatments (data not shown).