

Fatty acids profile of back and kidney fat in compensatory fattening of pigs

S u m m a r y

The influence of feeding restriction and realimentation as well as linseed oil supplement during 2nd phase of two-phase fattening on fatty acid profile of back and kidney fat was investigated. The experiment was carried out on 56 fatteners. In pigs fed more intensively in the 1st phase of fattening (23-60 kg of body weight), than those offered a restricted diet (lower by 25%), higher SFA and MUFA as well as PUFA content both in back and kidney fat were found. After realimentation in the 2nd phase of fattening (60-102 kg of body weight) the differences still remained, though they were negligible. A supplement of 4% linseed oil to the feed in the 2nd phase of fattening increased PUFA share as well as SFA and MUFA share in the fatty acids profile of back and kidney fat decreased. The PUFA content of kidney fat was higher than of back fat by about 20% irrespective of body weight. Along with increasing body weight the share of saturated fatty acids in the profile of fatty acids was also rising.