

Table 5.5. Average apparent digestibility coefficients (ADC of ingested nutrients) and digestible energy (kcal/kg)

of various feeds and feed ingredients<sup>1</sup>

Feed	Crude protein	Carbohydrate	Crude fat	Crude fibre	Dry matter	Gross energy
Alfalfa meal	95.0	81.0	95.0	50.0		
Algae (average)	65.8					
• <i>Ancistrodesmus</i> (dried)	85.6					
• <i>Euglena</i> spp.	63.5					
• <i>Oocystis</i> spp.	57.1					
• <i>Scenedesmus</i> spp.	72.4					
• <i>Spirulina maxima</i>	87.1					
Alginic acid		53.0				
Amino acids (average)	82.9					
arginine	89.6					
cystine	73.6					
histidine	82.7					
isoleucine	86.5					
leucine	87.2					
lysine	90.9					
methionine	88.2					
phenylalanine	87.2					
tyrosine	79.2					
tryptophan	62.0					
valine	84.1					
Bacteria – methanophilic	95.5					
Barley feed	66.0	51.0	86.0	51.0		
Barley – grain	79.7	74.0		31.3	57.7	
Blood meal – whale	84.7					
Casein	98.3					
Cassava		95.5				
Castor bean oil meal	91.0	81.0				
Corn – grain	88.0	84.3	79.0	38.0		
Corn gluten meal	91.2					
Cotton seed oil meal	77.0	39.4	87.0	67.0	46.0	
Duckweed ( <i>Lemna</i> sp.)	80.0					
Egg – yolk	95.3					
Fishmeal (average)	90.3					
• brown (Peru)	79.9					
• herring	80.3					
• whitefish	95.0					
Gelatine	96.8					
Lupin						
• bitter	97.5	80.5	86.5	78.0		
• sweet	96.0	80.7	91.0	81.5		
Pea	71.8	60.0		40.8	44.3	
Peanut oil meal	92.1	73.9	90.5	57.2	62.4	
Phalaris – seed	88.0	67.0		42.0		
Pond fauna (average)					85.8	
• chironomids					89.0	
• Cladocera					72.9	
• Copepoda					84.3	
Rice meal	89.5	90.0	91.5	91.5		
Rye – grain	72.8	67.5			80.9	
Safflower oil meal	90.0	42.0		25.0		
Silkworm pupa meal	63.9					
Soybean oil meal (defatted)	78.1	83.5	86.0	52.5	44.1	53.6
Soybean protein (pure)	84.7					
Starch						
• potato – alpha		85.0				
• potato – beta		5.54				
Sunflower oil meal	76.6	26.7	86.4	46.5	46.1	
Tobacco – seed	92.0	71.0		71.0		
Wheat bran	92.0	76.5	78.5	68.0		
Wheat germ	93.6					
Wheat - grain	85.8			51.3		
Xylan		66.0				
Yeast – petroleum	90.9					
Compounded feed	87.2	73.7	82.8	60.6	88.2	91.6

<sup>1</sup>Source: Hepher (1988).