

Table 4.4. Recommended contents of compounded feeds for the different age groups of common carp (*Cyprinus carpio*)

Contents	Unit	for Fingerling	for Grower	for Table fish	for Brood fish
		Minimum requirement			
Dry matter	%	88	88	88	88
Crude protein	%	39	36	30	32
Digestible protein	%	37	33	27	29
Crude fat	%	8	7	7	7
Crude fibre	%	max. 2	max. 4	max. 5	max. 5
Crude ash	%	max. 10	max. 11	max. 12	max. 12
Starch	%	-	-	-	-
Metabolisable energy	MJ/kg	13	12	11	11.5
Lysine	%	2.4	2.1	1.8	2
Methionine + cysteine	%	1.5	1.3	1.1	1.2
• from which methionine	%	1.2	1	0.9	0.9
Ca	%	0.5	0.5	0.5	0.5
P	%	1.2	1.1	1	1.1
• from which utilizable	%	0.9	0.8	0.7	0.8
Na	%	-	-	-	-
Mg	%	0.17	0.15	0.15	0.15
Total Cl	%	max 1.2	max. 1.2	max. 1.2	max. 1.2
Total (n-3) fatty acid	%	1.1	1	1	1.1
Total (n-6) fatty acid	%	1.1	1	1	1.1
EPA /20:5 (n-3)	%	0.35	0.3	0.3	0.35
DHA /22:6 (n-3)	%	0.3	0.25	0.2	0.35
A-vitamin	IU/kg	3,000	2,500	2,500	2,500
D ₃ -vitamin	IU/kg	3,000	2,000	2,000	2,000
E-vitamin	mg/kg	90	60	60	60
K ₃ -vitamin	mg/kg	36	24	24	40
B ₁ -vitamin	mg/kg	2	2	2	2
B ₂ -vitamin	mg/kg	4.5	3	3	3
Ca-pantethonate	mg/kg	40	40	30	30
B ₆ -vitamin	mg/kg	5	5	5	5
B ₁₂ -vitamin	mg/kg	0.01	0.01	0.01	0.01
Biotin	mg/kg	0.2	0.2	0.2	0.2
Niacin	mg/kg	15	10	10	10
Choline	mg/kg	1,200	1,000	750	750
Folic acid	mg/kg	3	3	2	2
C-vitamin	mg/kg	100	80	50	50
Fe	mg/kg	15	10	5	15
I	mg/kg	0.9	0.6	0.3	1
Co	mg/kg	0.45	0.35	0.15	0.3
Cu	mg/kg	4.5	3	1.5	4
Mn	mg/kg	45	30	15	45
Se	mg/kg	0.45	0.3	0.15	0.5
Zn	mg/kg	24	16	8	25

Source: Csengeri and Majoros 2004