

Table 4 Feed formulation of the different experimental diets

Ingredients	D ₁	D ₂	D ₃	D ₄	D ₅	D ₆	D ₇	D ₈	D ₉
Soybean meal	23.74	17.81	11.87	5.93	0.00	17.72	11.81	5.91	0.00
BDM	0.00	5.93	11.87	17.81	23.74	-	-	-	-
SDM	-	-	-	-	-	5.91	11.81	17.72	23.62
Fish meal	11.87	11.87	11.87	11.87	11.87	11.87	11.87	11.87	11.81
Groundnut cake	35.61	35.61	35.61	35.61	35.61	35.61	35.61	35.61	35.61
Maize	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39
Wheat bran	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39
Palm oil	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Salt	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Pre-mix	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DL-Methionine	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
L-Lysine	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Klinofeed	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Chromic oxide (Cr ₂ O ₃)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Proximate composition of diets (% DM basis)									
Crude protein	38.02	35.54	35.49	36.33	37.98	35.56	37.55	38.00	36.35
Ash	14.95	15.81	16.32	15.92	16.81	15.34	15.95	16.40	16.86
Moisture	11.45	10.12	10.50	10.46	11.52	10.54	9.36	10.03	9.21
Ether extract	12.59	10.06	11.54	10.83	10.49	10.11	11.55	10.53	10.02
Crude fibre	6.98	7.01	7.04	6.96	6.85	7.05	6.94	6.88	6.89
NFE	16.01	21.46	19.11	19.50	16.35	21.40	18.65	18.16	20.67

Note: D₁: 100% SBM (Control diet); D₂: 75% SBM, 25% BDM; D₃: 50% SBM, and BDM; D₄: 25% SBM, 75% BDM; D₅: 100% BDM; D₆: 75% SBM, 25% SDM; D₇: 50% SBM, and SDM; D₈: 25% SBM, 75% SDM; D₉: 100% SLP; SBM: Soybean meal; BDM: Blanched duckweed meal; SDM: Sun-dried duckweed meal; NFE: Nitrogen free extract