Table 7. Feed formulations (ingredient composition) and proximate composition of commonly used pellet feeds for different life stages of milkfish in semi-intensive and intensive farming systems*

Ingredient/proximate composition (% dry matter)	Life stages/size class					
	Larvae (1)	Larvae (1)	Fry/fingerling/grower (2)	Fry/fingerling/grower (3)	Fry/fingerling/grower (4)	Broodstock (5)
Ingredient composition (%)						
Fish meal	33.0	33.0	6.0	5.0	11.0	20.0
Soybean meal (defatted)	18.0	18.0	35.0	35.0	30.8	43.0
Rice bran			17.9	16.0	49.2	26.9
Copra meal			13.0	13.0		
Wheat pollard			15.0	15.0		
Meat and bone meal				8.0		
Molasses			4.0			
Squid meal	10.0					
Shrimp meal (*Acetes sp.*)	12.0	24.0				
Soybean oil				1.5	2.0	
Cod liver oil	8.0	8.0		1.5	2.0	2.0
Fish oil			4.0			
Vitamin premix**	3.0	3.0	0.1			
Vitamin C						0.1
Mineral premix***						
Dicalcium phosphate	3.0	3.0				4.0
Bread flour (binder)	6.7	4.7				
Wheat flour (binder)			5.0	5.0	5.0	4.0
κ-carageenan (binder)	5.0	5.0				
DL-α-tocopherol	0.0	0.0				
Lecithin	1.0	1.0				
Preservative (BHT)	0.1	0.1				
β-carotene	0.3	0.3				
Proximate composition (%)						
Dry matter						
Crude protein	46.3	46.5	30.8	30.6	26.7	36.0
Crude lipid	11.4	11.5	9.0	8.8	10.9	7.5
Ash	9.4	9.3	9.2	9.0	8.9	
Crude fibre	5.6	5.9	7.6	7.7	8.4	
NFE	27.3	27.1	43.3	43.9	45.1	36.0
Gross energy (kJ/g feed)	20.1	20.2	18.3	18.3	18.4	17.7
Cost (US$/kg)	3.5	2.6	0.3	0.3	0.4	0.5

*All feeds are in dry form; grower feeds are also given to fry and fingerlings
**Refer to Table 10 for details of commonly used vitamin premix
***Refer to Table 11 for details of commonly used mineral premix

Data source: (1) Borlongan et al. (2000); (2) Sumagaysay-Chavoso (unpublished); (3) Sumagaysay and McGlone (2003); (4) Sumagaysay (1998); (5) Emata et al. (2000)