Table

## Dietary protein requirements of some finfish and shellfish species for their optimum growth

Species		otein requirement dry weight of food)
Cyprinus carpio (spawn, fry and fingerlings)	Casein	45
C. carpio fingerlings	Fish meal	54
C. carpio juvenile	Casein	31-38
Labeo rohita fry	Casein	45
L. rohita fry	Fish meal and groundnut oilcake	40
L. rohita fingerlings	Casein and groundnut oilcake	30
Catla catla fry	Casein gelatin	47
C. catla fingerlings	Casein gelatin	40
Cirrhinus mrigala fry and fingerlings	Fish meal and groundnut oilcake	40
Tor khudree fingerlings		40
T. putitora		45
Ctenopharyngodon idella	Leaf protein concentrate	36
C. idella fry	Casein	42
Macrobrachium rosenbergii	Fish meal, groundnut oilcake, soybean m	eal 35
Channa striatus fry	Fish meal, groundnut oilcake	55
Anabas testudineus	Carcass waste and groundnut oilcake	40
Clarias batrachus fingerlings	Casein gelatin	40
Chanos chanos fry and juvenile	Casein	39-40
Tilapia aures fingerlings	Fish/soybean meal	36
T. aures fingerlings	Casein/albumin	34-56
T. niloticus fry	Fish meal	35
Oreochromis mossambicus fingerlings	Fish meal	42
Lates calcarifer juvenile		50
L. calcarifer grow-out		40-45
Salmo trutta fario fry		48-53
Oncorhynchus spp.		35-55
Penaeus mondon		40
Fenneropenaeus (P.) indicus		43
P. merguiensis		42-52

Feed	Fry		Fingerlings and growers	
	Ingredients	Composition (%)	Ingredients	Composition (%)
1	Azolla powder Soybean meal Groundnut oilcake	60.0 19.0 13.9	Rice-bran Groundnut oilcake Roasted soybean meal	35.0 25.0 25.0
	Sesame oilcake Rice-bran Vitamin mineral mix	4.0 2.0 1.0	Fish meal Vegetable oil Fish oil	7.0 5.0 2.0
	Attractant (seeds of Trigonella and Murra	0.1 ya)	Vitamin-mineral premix	1.0
2	Groundnut oilcake Soybean meal Rice-bran Fish meal Vitamin mineral mix	26.0 23.0 33.0 16.0 2.0	Groundnut oilcake Soybean meal Rice bran Meat-cum-bone meal Vitamin-mineral premix	28.0 20.0 30.0 20.0 2.0
3	Groundnut oilcake Soybean meal Rice-bran Meat meal Vitamin mineral mix	28.0 20.0 30.0 20.0 2.0	Soybean meal Groundnut oilcake Mustard oilcake Rice-bran Vitamin-mineral premix	7.0 30.0 35.0 26.0 2.0
4			Groundnut oilcake Soybean meal Fish meal Rice-bran Vitamin-mineral premix Vegetable oil	40.0 20.0 8.0 30.0 1.5 0.5
5			Fermented silkworm pupae Rice-bran Groundnut oilcake Groundnut oil Binder mix (tapioca flour, maida and	6.7 19.3 62.0 5.0 5.0
			rice flour in 6 : 3 : 1 ratio Vitamin-mineral premix	2.0

Source: Hand book of Fisheries and Aquaculture, ICAR, New Delhi)