

Table 7. Suggested fertilization guide for different types of carp culture ponds

Type of pond/Stocking density	Type of fertilizer	Rate of application	Frequency
Nursery pond Stocking density: 3-5 million /ha Duration: 2 weeks	Organic manure Raw cow dung or Poultry manure	Single dose 5,000 to 10,000 kg/ha or 2,000 to 4,000 kg/ha Split dose 2/3rd of the total dose and 1/3rd of the dose	Applied in one installment (15 days before stocking of spawn) Applied 15 days prior to stocking Applied 7 days after stocking
	Organic + inorganic manure Groundnut oil cake, raw cow dung, and single super phosphate (SSP)	700 kg/ha, 200 kg/ha, and 50 kg/ha	Half of the amount is made into thick paste and applied 2-3 days prior to stocking and remainder applied in 2 to 3 equal doses
Rearing pond Stocking density: 0.2-0.3 million /ha Duration: 2 to 3 months	Organic manure Raw cow dung or Poultry manure or Biogas slurry	5,000 to 10,000 kg/ha or 2,000 to 4,000 kg/ha or 35,000 - 40,000 kg/ha	1/3rd of the dose is applied 8-10 days before stocking of fry and the rest in equal proportions at 15-day intervals.
Growout pond Stocking density: 5-10 thousand /ha Duration: 10-12 months Recommended dose of fertilizer based on nutrient status of ponds			
Low production pond	Organic manure Raw cow dung or Poultry manure Inorganic manure Urea (contains - 46% N) SSP (contains - 16% P)	20,000kg/ha or 8,000kg/ha 322 kg (= 150 kg N)/ha 470 kg (=75 kg P)/ha	Of the total amount of organic manures, 1/3rd of the dose is applied two weeks before stocking and the rest is applied in equal splits at two weekly intervals
Medium production pond	Organic manure Raw cow dung or Poultry manure Inorganic manure Urea SSP	15,000kg/ha or 6,000kg/ha 218 kg (= 100 kg N)/ha 310 kg (=50 kg P)/ha	The inorganic fertilizers are applied (two weeks before stocking of fingerlings) alone or in combination with the organic manures
High production pond	Organic manure Raw cow dung or Poultry manure Inorganic manure Urea SSP Non-conventional materials Azolla Biogass slurry	10,000kg/ha or 4,000kg/ha 104 kg (= 50 kg N)/ha 155 kg (=25 kg P)/ha 40,000 kg/ha 30,000 - 40,000 kg/ha	Doses of non-conventional materials are recommended for medium production ponds only. To increased or decreased for low and high production ponds