

Table 7. Suggested fertilization guide for tilapia farming under different stocking densities

Country/region	Fish size/age	Stocking density (no./ha)	Type of fertilizers	Rate of application (kg/ha/year)	Frequency	Method of application	
Organic							
Panama	Ongrowing		Dried pig manure	24,800			
			Dried poultry manure	18,200			
			Dried cattle/goat manure	36,500			
Rwanda	Spawners		Animal manure	7,800-13,000			
	Fingerlings	50,000	Animal manure	13,000			
	Fingerlings	20,000	Dried poultry manure	14,000			
Thailand	Growout	10,000	Liquid cesspool slurry (dry matter basis)	27,600-45,400	7/week		
Kenya		5,000-20,000	Fresh cow manure	78,000-235,000	1/week	mainly by crib	
			Semi-dry mixture of goat, sheep, poultry or rabbit droppings	1,456-5,928	1/week	broadcasting or crib	
			Fresh pig manure	39,000	1/week	broadcasting or crib	
			Fresh rumen contents	26,000-41,600	1/week	broadcasting	
Inorganic							
Rwanda	Fingerlings		Single superphosphate	480			
			Urea	120-240			
Rwanda	Fingerlings		Single superphosphate	480			
			Ammonium sulphate	240-480			
Zambia	Growout		Double superphosphate	672			
Ivory Coast	Growout		Triple superphosphate	720	2/month	suspended baskets	
Both							
	Spawners		Poultry manure	36,000	1/week		
				16:20:00	1,200	1/week	
	Fingerlings		150,000-230,000	Poultry manure	30,000	1/week	
					16:20:00	3,000	1/week
Thailand	Fingerlings	17,600	Dried poultry manure	3,900	1/week		
			Urea	3,068	1/week	dissolving in water	
			Triple superphosphate	1,300	1/week	soaking overnight	

Data source: Tacon (1987b); Tacon (1991); Broussard et al. (1983); Knud-Hansen et al. (1991)