

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

Type of pond/Stocking density	Type of fertilizer	Rate of application	Frequency
<b>Nursery pond</b>			
	<b>Organic manure</b>		
<b>6.25 million /ha for 2 weeks</b>	Cow dung	5,000 to 15,000 kg/ha	In one installment at least 14-15 days before stocking
		<b>Spaced manuring</b>	
		10,000 kg/ha	15 days prior to stocking
		5,000 kg/ha	7 days after stocking
		5,500 kg/ha	Immediately after the removal of the first crop, when more than one crop is raised
	Mustard oil cake + cow dung + poultry manure	6:3:1 ratio at 1,000 ppm for the culture of zooplankton for carp spawn	
	<b>Inorganic fertilizer</b>		
	Nitrogen:Phosphorus	4:1 ratio	
	Nitrogen:Phosphorus: Potassium	8:4:2 ppm	Weekly
	N:P:K: 18:8:4	500 kg/ha	After liming at 200 kg/ha
	<b>Both</b>		
	Mustard oil cake + 6:8:4:N:P:K	On equivalent nutrient basis at 12 kg N/ha	
<b>Rearing pond</b>			
<b>200,000 to 300.000 / ha</b>	<b>Organic manure</b>		
	Cow dung	3-7 tonnes/ha/year	In rearing ponds, 50% of the total requirement is applied
	or	or	15-20 days prior to stocking of fry and the remainder in two equal
<b>Combined density of 4,000 to 10,000 fingerlings per ha.</b>	Biogas slurry and	5.5 - 12 tonnes/ha/year and	monthly applications during rearing period.
	Cow dung	2.5-5 tonnes/ha/year	
	or	or	
	Biogas slurry	10-30 tonnes/ha/year	
	or	or	
	Poultry dropping	5-15 tonnes/ha/year	
<b>Rearing pond</b>	<b>Inorganic fertilizers</b>		
	Urea	108-152 kg/ha/year	Should be applied in equal monthly applications alternately with organic manure with a gap of about a fortnight.
	Calcium ammonium nitrate	200-280 kg/ha/year	
	Ammonium sulphate	250-380 kg/ha/year	
	Single super phosphate	156-312 kg/ha/year	Weekly. The first installment is given seven days after initial organic manuring.
	Murate of potash	16-32 kg/ha/year	In equal monthly applications
	or		
	Sulphate of potash	20-40 kg/ha/year	
<b>Stocking pond</b>	Urea	163-326 kg/ha/year	Same as in rearing pond.
	Calcium ammonium nitrate	300-600 kg/ha/year	
	Ammonium sulphate	375-750 kg/ha/year	
	Single super phosphate	250-468 kg/ha/year	Same as in rearing pond.
	Murate of potash	41-66 kg/ha/year	Same as in rearing pond
	or		
	Sulphate of potash	52-83 kg/ha/year	