

Table 6. List of commonly used inorganic fertilizers used for tilapia culture and their N:P ratio and their calcium and NPK content

Type of fertilizers	Chemical formula	N:P ratio and Ca and NPK content (%)				
		N:P ratio	Calcium (C)	Nitrogen (N)	Phosphorus (P)	Potassium (K)
CALCAREOUS						
Calcium carbonate (limestone)	CaCO ₃		40.00			
Calcium oxide (quicklime)	CaO		71.50			
NITROGEN FERTILIZERS						
Sodium nitrate	NaNO ₃			16.50		
Ammonium sulphate	(NH ₄) ₂ SO ₄			21.20		
Ammonium nitrate	NH ₄ NO ₃			35.00		
Urea	CO(NH ₂) ₂			46.70		
Ammonium phosphate, dibasic	(NH ₄) ₂ HPO ₄	0.90		21.20	23.50	
Ammonium phosphate, monobasic	(NH ₄)H ₂ PO ₄	0.45		12.20	27.00	
POTASSIUM (POTASH) FERTILIZERS						
Potassium chloride (murate of potash)	KCL					52.40
Potassium nitrate	KNO ₃			13.80		38.70
Potassium sulphate	K ₂ SO ₄					44.90
Sulphate of potash-magnesia	K ₂ SO ₄ .2MgSO ₄					18.80
PHOSPHATE FERTILIZERS						
Di-calcium phosphate, anhydrous	CaHPO ₄		29.50		22.80	
Bone meal			30.00		15.00	
Rock phosphate (fluoroapatite)	(Ca ₃ (PO ₄) ₃ CaF ₂		35.00		13.00	
Single super phosphate	Ca(H ₂ PO ₄) ₂ +CaSO ₄				7.0 - 8.7	
Triple super phosphate	Ca(H ₂ PO ₄) ₂				19.2 - 23.6	

Data source: Tacon (1987b)