

# Preparation of area specific mineral mixture

There are fifteen mineral elements which are essential in the animal system. Of the fifteen, seven are major (Calcium, phosphorus, magnesium, sulphur, sodium, chlorine and potassium) and eight are trace elements (Iron, copper, cobalt, manganese, molybdenum, iodine and zinc). **Main function of mineral elements in the animal system:** The major minerals provide structural and electrolytic support while the trace elements can influence reproductive problems, appetite and immune competency in the animals as a component of enzymes and hormones.

**Diseases caused by the deficiency of mineral(s):** A number of diseases occur owing to the deficiency of mineral elements such as alimentary osteodystrophy, pasture tetanus, rachitis, osteoporosis, osteoarthritis, anaemia, parakeratosis, retarded growth, reproductive failure and reduction in immunity.

**Requirement of mineral (s):** A complete mineral mixture usually contains calcium, phosphorus, magnesium, sulphur, potassium, Iron, copper, cobalt, manganese, and zinc. But the supplementation of all the above mineral elements may not be needed always, because many of them such as magnesium, sulphur, potassium, iodine, cobalt, iron and manganese etc are already present in required quantities in feeds and fodders to satisfy the need of dairy animals producing 8-10 kg of milk daily.

**Preparation of area specific mineral mixture :** Composition may vary from area to area depending on requirement.

1.	Di-calcium phosphate	1960 g
	Zinc sulphate	32 g
	Copper sulphate	8 g
	Common salt	1000 g
2.	Di-calcium phosphate	1950 g
	Zinc sulphate	41 g
	Copper sulphate	8 g
	Potassium iodide	1 g
	Common salt	1000 g

Mix the ingredients thoroughly.  
Total weight 3.0 kg.

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Total weight 3.0 kg.

For detail information please contact to:-

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