







NUTRIENT DEFICIENCY

Nutrients	Deficiency Symptoms	Affected Area	Nutrition Required
Phosphorus	Dark green plants with reduced leaf size, older leaves turn purple red	Stunted root and plant growth, delay in flower initiation, boll formation and maturity	 <p>Apply Mosaic DAP 50 Kg/acre at the time of sowing</p>
Potassium	Yellowing of leaves in a margin, tips of the leaf and margins break down and curl downwards, the whole leaf becomes reddish brown, dries and premature leaf falling	Premature leaf fall, Stunted growth, bolls remain small, immature and unopened, poor yield and quality of fiber	 <p>Apply Mosaic MOP 40 Kg/acre and Mosaic K-Mag 25 Kg/acre at the time of sowing</p>
Magnesium	Purplish red leaves with green veins (Leaf reddening)	Premature leaf shedding, reduction in photosynthetic activity results in less number of branches and poor yields	 <p>Apply Mosaic K-Mag 25Kg/acre at time of sowing</p>
Sulphur	Pale green to yellow color of young leaves	Plants are small, skinny with slender stalks	 <p>Apply Mosaic K-Mag 25Kg/acre at time of sowing</p>
Boron	Terminal bud dies, shorter internodes, black discoloration at the base of bolls.	Excessive shedding of buds and young bolls	 <p>Liquid Boron @ 2ml/l</p>
Zinc	Pronounced interveinal chlorosis, interveinal portions turn golden yellow colour. Brown spots extend from leaf tips to base and later gets dry	Tips of leaves elongated and parallel	 <p>Liquid Zinc @ 2mL/L</p>