

Deficiency and Symptoms of Papaya



Nitrogen

Deficiency Symptoms

Nitrogen deficiency causes slow growth and paler leaves with reduced leaf area and rate of leaf production. Leaf petioles short, thin and compressed.

Correction Measure

Foliar spray of urea@2%



Phosphorus

Deficiency Symptoms

The deficiency of P causes complete cessation of elongation, older leaves becoming increasingly irregularly necrotic, leaf production is reduced, and marginal chlorosis and premature death are caused. P deficiency causes a blue or dark green coloration of leaves.

Correction Measure

Soil application of phosphotic fertilizer as per the recommendation



Potassium

Deficiency Symptoms

Deficiency of potassium causes marked reduction in growth, interval profusely smaller, premature yellowing of plant. Purplish brown patches appear at the base of the petioles. Fruits are badly shaped, poorly filled and unsuitable for marketing.

Correction Measure

Foliar spray of KCl@2%



Magnesium

Deficiency Symptoms

Magnesium deficiency symptoms show green banding around the margin and next to the midrib. Leaves turn yellowish with brown goods on the leaf margin. Plant height reduced marginal yellowing of leaf margin extends towards the midrib. Purplish mottling of leaf petiole and malformation of leaves.

Correction Measure

Foliar spray of $MgSO_4$ @1-2%



Sulphur

Deficiency Symptoms

Deficiency causes chlorosis and delaying of green colour in newly emerging leaves, reduced plant growth and reduced leaf size. The leaf blades become very soft and tear easily.

Correction Measure

Foliar spray of MgSO_4 @1%



Boron

Deficiency Symptoms

Distortion of newer leaves. Ad the growing point dies. Leaves show chlorotic symptom. Bushy appearance of shoot. Leaves show inward cupping with stunted growth.

Correction Measure

Soil application of borax 2-3 g/plant



Manganese

Deficiency Symptoms

Marginal chlorosis of young leaves, which later turn brown. Fruits with raised spots which are dark brown on black in colour. Leaves give striated appearance from the edges.

Correction Measure

Foliar spray of MnSO_4 @1-2%