

Deficiency and disorder of Brinjal



Nitrogen

Deficiency Symptoms

Light green to a yellowing symptom first occurs in older leaves progressing to the newer leaves. Firing of the older leaves. Leaves plants stunted with hard, fibrous and slender stems. Older leaves become stiff.

Correction Measure

Foliar spray of Urea 2% twice at weekly interval.



Potassium

Deficiency Symptoms

Older leaves affected first. Leaf tips and margins turn yellow and then become scorched continuing inward to the leaf center. Leaf margin cup downward interveinal leaf necrosis restricted growth. Poorly developed roots and fruit.

Correction Measure

Foliar application of K_2SO_4 @1%.



Magnesium

Deficiency Symptoms

Interveinal chlorosis of older larger leaves veins remain green necrotic areas with time and die. Leaf margins curl upward purple tinting on older leaves smaller fruit.

Correction Measure

Foliar spray of $MgSO_4$ @2%.



Calcium

Deficiency Symptoms

Necrosis at tip and margins of newer immature leaves nearest the terminal growth with a distorted appearance stems thick fibrous retarded growth terminal buds die. Brown to Black leathery spots on the underside of fruits.

Correction Measure

Foliar spray of 2% Calcium sulphate twice at weekly intervals.



Sulphur

Deficiency Symptoms

Newer leaves light green to yellowish leaf veins appear lighter in color leaf tips cupping downward stems hard fibrous and spindly.

Correction Measure

Foliar spray of K_2SO_4 1%.



Boron

Deficiency Symptoms

Leaves chlorotic small thick brittle and misshapened the base of the new leaves wrinkled or deformed internodes short with a resetting appearance terminal bud dies.

Correction Measure

Soil application of borax 5Kg/ha or foliar spray of borax 0.2%.



Iron

Deficiency Symptoms

Leaf veins remain green interveinal portion turns yellow young leaves small but not deformed.

Correction Measure

Foliar spray of 0.5% FeSO₄



Manganese

Deficiency Symptoms

Upper newer leaves affected first interveinal chlorosis veins remaining green chlorotic spots become necrotic and brown plants stunted.

Correction Measure

Foliar spray of 0.5% MnSO_4



Zinc

Deficiency Symptoms

Young leaves small and narrow with interveinal yellow to white coloration, Necrotic spotting of older leaves.

Correction Measure

Soil application of 20-25 Kg ZnSO₄/ha or foliar spray of ZnSO₄ @ 0.5%.