

Deficiency and Disorder in Onion



Nitrogen

Deficiency Symptoms

Leaves become yellowish green erect and upright curled, wilted and dwarf. At maturity tissue above bulbs become soft.

Correction Measure

Foliar spray of Urea 1% or DAP 2% twice at weekly intervals.



Phosphorus

Deficiency Symptoms

Slow growth, maturity blazed. Leaf colour becomes light green and bulbs have few dried outer peals. Tip burn in older leaves.

Correction Measure

Foliar spray of DAP 2% twice at fortnightly intervals



Potassium

Deficiency Symptoms

Tip burn symptoms, leaves become dark green and erect. Bolting promoted. Older leaves become yellow and necrotic.

Correction Measure

Foliar spray of K_2SO_4 1% twice at weekly intervals.



Calcium

Deficiency Symptoms

Occurrence of chlorosis;

Correction Measure

Foliar spray of CaCl_2 @1%



Magnesium

Deficiency Symptoms

Irregular elliptical shaped areas on leaves. The leaf tips show white colour

Correction Measure

Foliar spray of $MgSO_4$ 0.5% twice at weekly interval



Sulphur

Deficiency Symptoms

Yellowing of young leaves

Correction Measure

Foliar spray of MgSO_4



Copper

Deficiency Symptoms

Scales become this and pale yellow colour. The bulbs lack firmness and solidity and early maturation leaves show tip burn with chlorotic mottling.

Correction Measure

Foliar spray of CuSO_4 0.3% twice at weekly interval.



Iron

Deficiency Symptoms

Complete yellowing of young leaves

Correction Measure

Foliar spray of FeSO_4 @0.5%



Manganese

Deficiency Symptoms

Leaves show tip burn, light coloured and curling. Growth restricted. Bulbing delayed with thick necks.

Correction Measure

Foliar spray of MnSO_4 @ 0.3% twice at fortnightly interval.



Molybdenum

Deficiency Symptoms

Terminal leaf become curling; yellowing of leaves

Correction Measure

Foliar spray of sodium molybdate@0.2%



Zinc

Deficiency Symptoms

Growth restricted. Leaves yellow colour strips and bend.

Correction Measure

Foliar spray of $ZnSO_4$ 0.5% twice at for nightly interval.