

Deficiencies and Symptoms – Custard Apple

Phosphorus Deficiency Symptoms

Plants look lush blue-green or purplish in color. Mature leaves to be small, initially purplish tints and scorched areas, later become yellow with purple veins and died prematurely.

Correction Measure

Soil application of single super phosphate

Potassium

Deficiency Symptoms

Yellowish spots in the margins of new leaves which later spread over the surface and subsequently turned brown, starting with the older leaves. Leaves first become grey at the margin and later interveinally.

Correction Measure

Soil application of KCl@300-500g/tree.

Calcium

Deficiency Symptoms

Upper leaf coloration initially was darker green, but, later turning yellow at the edges and died. Fruit showing blossom end rot were found to ripen less rapidly

Correction Measure

Application gypsum@ 50 kg/ha

Magnesium

Deficiency Symptoms

Chlorosis of leaves. Interveinal areas became yellow or greenish yellow while leaf margins remained green.

Correction Measure

Soil application of dolomite

Sulphur

Deficiency Symptoms

Symptoms are somewhat similar to nitrogen deficiency. Younger leaves are affected. Older leaves develop necrosis at tips and margins with development of small purple spots between the veins.

Correction Measure

Soil application of gypsum@2-5kg/tree/year

Iron

Deficiency Symptoms

Symptoms are first seen in the youngest leaves. Initially the smallest veins remain green, which produces a reticulate pattern of green veins on yellow leaves. The leaves turn completely chlorotic but there is no associated necrosis.

Correction Measure

Soil application of FeSO_4 @ 0.5 kg /tree

Manganese Deficiency Symptoms

Reduction in leaf size and development of interveinal orange-yellow mottling over the tip. Mottling spreads over the whole leaflet turn yellow while the veins remain green. Numerous small, dark brown, necrotic spots with chlorosis in leaflets of very young leaves

Correction Measure

Foliar spray of foliar spray of MnSO_4 @ 1%

Zinc Deficiency Symptoms

Interveinal chlorosis; shortened internodes; epinastic curvature of leaves

Correction Measure

Soil application of ZnSO_4 @ 20kg/tree/year or foliar spray of ZnSO_4 @ 0.5%