

Mineral Nutrition – Acid Lime

Nitrogen

Deficiency Symptoms

Dull green, yellowish, smaller leaves. Die back of twigs, thin and bushy appearance of tops with sparse bloom. Vein chlorosis. New leaves are greater than older.

Correction Measure

Foliar spray urea 2% at 15 days interval.

Potassium

Deficiency Symptoms

Slower growth, shedding of leaves at blossom time. New shoots poorly attached to twig. Smaller leaves, twigs die peak, scorching of leaf tips, small brown resinous spots on leaf. Small wrinkled spotted leaves. Small fruits, thin peel. In mandarin – yellowing and bronzing of leaves become twisted, wrinkled and spindly twigs.

Correction Measure

Foliar spray of KNO_3 2% at fortnightly interval. Application of 200g N, 100g P_2O_5 and 200g K_2O / tree/year.

Boron

Deficiency Symptoms

Premature wilting, water soaked spots on leaves. Premature shedding of leaves, bushing appearance curling of leaves, splitting and curling of veins. Fruits with gum spots and lumpings, hand abnormal shape and small.

Correction Measure

Foliar spray of borax@0.5%

Copper

Deficiency Symptoms

Reduced growth and dark green colour of leaves, twin led malformed leaves. New leaves shriveled, bushy growth.

Correction Measure

Foliar spray of CuSO_4 each 0.5% at fortnightly interval.

Iron

Deficiency Symptoms

Thin leaves with interveinal chlorosis in young leaves. Green tinge at the base of mid rib. Leaf size reduced. Later the leaves become pale or whitish and shed. Die back symptom older leaves remain green, fruits hand, coarse light coloured.

Correction Measure

Foliar spray of FeSO_4 @ 0.5% twice at fortnight interval.

Manganese

Deficiency Symptoms

Fine network of green veins as a light green background on young leaves. Leaf remains fairly green. Dark green irregular bands on mature leaves, along the midrib. White spots develop in interveinal area with die back symptom.

Correction Measure

Foliar spray of 0.5% MnSO₄ at fortnightly interval.

Zinc

Deficiency Symptoms

Irregular and chlorotic leaf spots, mottled leaf, small leaves, severe dieback of twigs. The area near midrib and lateral veins remain green. Terminal twigs with narrow small erect leaves. Small, thin skinned fruits.

Correction Measure

Foliar spray 2% ZnSO₄ with 1% lime at fortnightly interval.