

Deficiency and Symptoms of Pineapple



Nitrogen

Deficiency Symptoms

Stunted growth. Pale green to light yellow color (chlorosis) appearing first on older leaves, usually starting at the tips. Depending on the severity of deficiency, the chlorosis could result in the death and / or dropping of the older leaves.

Correction Measure

Foliar spray of Urea 1-2 % at fortnightly intervals.



Phosphorus

Deficiency Symptoms

Symptoms appear on older leaves. The leaves are small and narrow with purplish or bronze discoloration. Leaves develop necrotic areas and fall off.

Correction Measure

Soil application of phosphotic fertilizer or Foliar spray of DAP@2%



Potassium

Deficiency Symptoms

Potassium symptoms appear first in older leaves older leaves orange, yellow to pale green colour. Upper surface show reddish purple discoloration. Young leaves remain dark green. Leaves curl down and lose luster and turgidity.

Correction Measure

Foliar spray of K_2SO_4 1% at fortnightly intervals.



Calcium

Deficiency Symptoms

Young emerging leaves show chlorosis become pale green and curl down. Leaves later turn to greenish pink or red colour. The terminal shoot poorly developed.

Correction Measure

Application of CaSO_4 @ 2kg / tree/year.



Boron

Deficiency Symptoms

Fruit necrosis which begins with the browning of inner most part of the mesocarpic tissues at the time of endocarp hardening. This is extended towards the epicarp resulting into brownish black areas on the fruit surfaces depending of the severity of the disorder.

Correction Measure

Foliar spray of borax@0.5%



Copper

Deficiency Symptoms

Plants show overall droopy appearance with shortened intervals between petiole. Size of leaves reduced.

Correction Measure

Foliar spray of 1-2% CuSO_4 .



Iron

Deficiency Symptoms

Symptoms are first seen in the youngest leaves. The leaves eventually turn completely chlorotic.

Correction Measure

Foliar spray of FeSO_4 @0.5-1.0%



Zinc

Deficiency Symptoms

Stunted growth narrowing of leaves with pale green or yellow. Inter-veinal chlorosis starting from tip of leaflets and spreading to the remaining area leaving only the midrib green.

Correction Measure

Foliar spray of $ZnSO_4$ @0.5%