



Nutrient Deficiencies

Nutrient	Role of Nutrient	Deficiency Symptom	Treatment
Nitrogen	<ul style="list-style-type: none"> Promotes leafy green growth Can decrease flowering and fruiting 	<ul style="list-style-type: none"> Growth is poor Plant is often stunted Veins of leaves turn yellow before whole leaf becomes yellow and falls off 	<ul style="list-style-type: none"> All purpose fertiliser
Phosphorus	<ul style="list-style-type: none"> Seed formation Root growth 	<ul style="list-style-type: none"> Older leaves become red, purple or blue-green Leaves look lack luster Plant growth is poor 	<ul style="list-style-type: none"> All purpose fertiliser
Potassium	<ul style="list-style-type: none"> Promotes flowering and fruiting Stimulates plant's immune system, lessening disease 	<ul style="list-style-type: none"> Older leaves have yellow margins which may become brown and scorched Leaves may have spots surrounded by pale zones Poor flowering and fruiting Plants are stunted 	<ul style="list-style-type: none"> Potash
Calcium	<ul style="list-style-type: none"> Promotes growth in root and leaf tips 	<ul style="list-style-type: none"> Young leaf margins become pale and shrivel Young leaf tips blacken and die 	<ul style="list-style-type: none"> Lime (Calcium Carbonate) or Gypsum (Calcium Sulphate)
Magnesium	<ul style="list-style-type: none"> Key element in chlorophyll and therefore Vital for photosynthesis (making energy) 	<ul style="list-style-type: none"> Older leaves have patchy yellowing between the veins and at the tip while rest of the leaf stays green 	<ul style="list-style-type: none"> Dolomite Lime or Epsom Salts
Iron	<ul style="list-style-type: none"> Essential for chlorophyll production 	<ul style="list-style-type: none"> Youngest leaves show yellowing between green veins Youngest leaves become pale, then yellow, then white 	<ul style="list-style-type: none"> Iron chelate or improving soil drainage
Manganese	<ul style="list-style-type: none"> Chlorophyll production and nitrogen formation 	<ul style="list-style-type: none"> All leaves show yellowing between green veins 	<ul style="list-style-type: none"> All purpose Fertiliser