



Plant Nutrient Deficiency

FIELD GUIDE

YOUNGER FOLIAGE FIRST AFFECTED

Leaf Edges
Brown
or Scorched



CALCIUM



Ammonium
Toxicity

Death of
Growing
Point w/
Crinkled Leaf



BORON
CALCIUM



Ammonium
Toxicity

Yellowing
Between
Veins
↓
IRON
MANGANESE
ZINC
COPPER



Phosphorus
Toxicity

Yellowing
Inter &
Intra
Veinal
↓

SULFUR

OLDER FOLIAGE FIRST AFFECTED

Yellowing &
Purpling
Between
Veins
↓

MAGNESIUM



Potassium
Toxicity

Leaf Yellowing
Inter & Intra
Veinal
↓

NITROGEN
OR
Progressed
SULFUR



Ammonium
Toxicity

Leaf
Purpling
↓

PHOSPHORUS

Purpling
w/
Browning of
Leaf Edges
↓

POTASSIUM



Salt or Boron
Toxicity

Dark Green
Crinkled
Leaf w/
Stunted Growth



MANGANESE
TOXICITY



Very Acid
Soil pH

Leaf Color
Very Dark
Stunted Growth



PHOSPHORUS
TOXICITY



Alkaline
Soil pH