

Biotic (pest/pathogen) Abiotic(nutrients/environment)

- . ID pest
- .Contact IPM professional
- .Test for pathogens

Lower Leaf Mobile Elements

- N-chlorosis/leaf abscission
- P-chlorosis with dark green coloring/shorter & fewer roots
- Mg-interveinal chlorosis
- K-rapid necrosis on margins

Top Leaf Immobile Elements

Chlorosis

- Fe-pale yellow to white
- Mg-tan flecking

Necrosis

- Ca-distortion/cupping
- B-rosettes

Entire Plant Partially Mobile Elements

- S-uniform chlorosis across the entire plant.
- Mo-chlorotic to white band on margins

Young/ most recently open leaves

- Cu-chlorosis to necrosis
- Z-tip to petiole roll

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KiS

organics