

Nutrient Deficiency Key

Dr. Brian A. Krug

University of New Hampshire Cooperative Extension

- Symptoms at the **base** of the plant (Mobile elements N, P, K, Mg
 - o Chlorosis (N, P, or Mg)
 - Uniform (N or P)
 - Early flowering and/or leaf abscission (N)
 - Deeper green foliage and/or fewer longer roots
 (P)
 - Interveinal (Mg)
 - o Necrosis (K)
- Symptoms across the <u>whole (mid)</u> plant (Partially mobile elements – S or Mo)
 - Uniform chlorosis/faded flowers (S)
 - Chlorotic around leaf margin followed by rapid necrosis (Mo)
- Symptoms at the top of the plant (Immobile elements Ca, Fe, Mn, Zn, Cu, B)
 - o Chlorosis (Mn, Fe)
 - Interveinal chlorosis with tan flecks (Mn)
 - Interveinal chlorosis turning to yellow (Fe)
 - Youngest leaves affected with necrosis and distortion (Ca or B)
 - Abortion of growing tip, short internodes, thick leaves
 (B)
 - Distortion turning necrotic (Ca)
 - Youngest and mature leaves affected by leaf curling and necrosis
 - Smaller lighter flowers (Cu)
 - Smaller leaves and short internodes (Zn)