Generalized key to common nutritional disorders on tomato

1a. Symptoms not appearing on young leaves .......................................................... 2
2a. Older leaves chlorotic (yellow), plants stunted ................................................ - N
2b. Older leaves symptoms more severe .............................................................. 3
3a. Plants with anthocyanescene (purpling) of stem tissue and leaves ................. - P
3b. Plants not as above ......................................................................................... 4
4a. Lowers leaves turning necrotic at tips and margins first, eventually abscising (fall off); necrotic (dead tissue) spots on stems ......................... - K
4b. Lower leaves with interveinal chlorosis then necrosis, not abscising ...... - Mg
1b. Symptoms first appearing on upper leaves ..................................................... 5
5a. Interveinal chlorosis ...................................................................................... - Fe
5b. Whole plant evenly chlorotic or with necrotic spots ..................................... 6
6a. Whole plant evenly chlorotic, even veins; growth not stunted ..................... - S
6b. Whole plant with necrotic spots, at least on leaves ....................................... 7
7a. Plant tissues very brittle; growth may be twisted or asymmetrical .............. - B
7a. Necrotic spots common ................................................................................. 8
8a. Plant growth stunted with tips most severely affected or tip dieback ........ - Ca
8b. Plant not stunted; same necrotic spots on both young and old leaves ...... ++B
Part D: Recognizing Nutrient Deficiencies - Control (no nutrient deficiency)

Nutrient Disorders
Nitrogen deficiency

Nutrient Disorders
Phosphorus deficiency
Nutrient Disorders

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Phosphorus deficiency

Nutrient Disorders

Control
Potassium deficiency
Nutrient Disorders
Potassium deficiency (continued)
Nutrient Disorders
Potassium deficiency (continued)

Nutrient Disorders
Magnesium deficiency
Nutrient Disorders

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Magnesium deficiency (continued)
Nutrient Disorders
Calcium deficiency
Nutrient Disorders

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Calcium deficiency (continued). Note “blossom end rot” on fruit.
Sulfur deficiency

Nutrient Disorders
Sulfur deficiency (continued)

Nutrient Deficiency Symptoms

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Sulfur deficiency (continued)

Nutrient Deficiency Symptoms

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Boron toxicity

Nutrient Disorders
Boron toxicity (continued)

Nutrient Disorders

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Iron deficiency on Rhododendron (soil pH > 6).

Nutrient Disorders
Iron deficiency on Marigold.

Nutrient Disorders
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