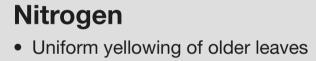
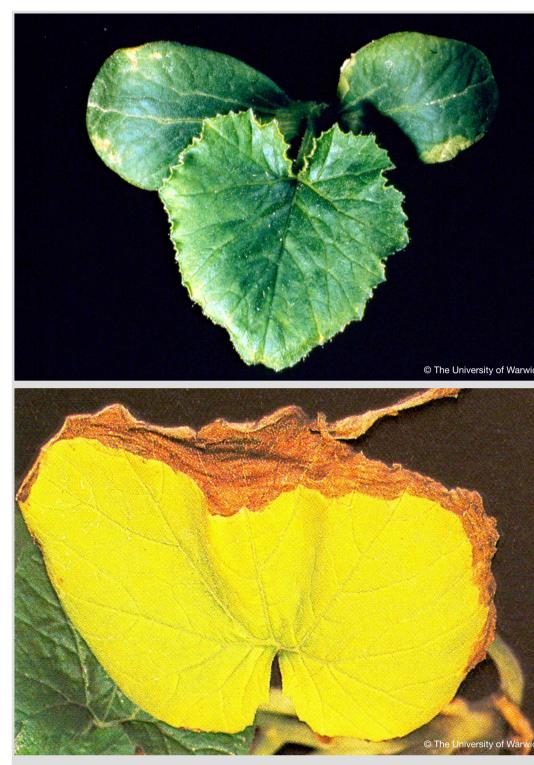


# **Outdoor Cucurbits: Nutrient deficiencies & physiological disorders**

## Nutrient deficiency symptoms

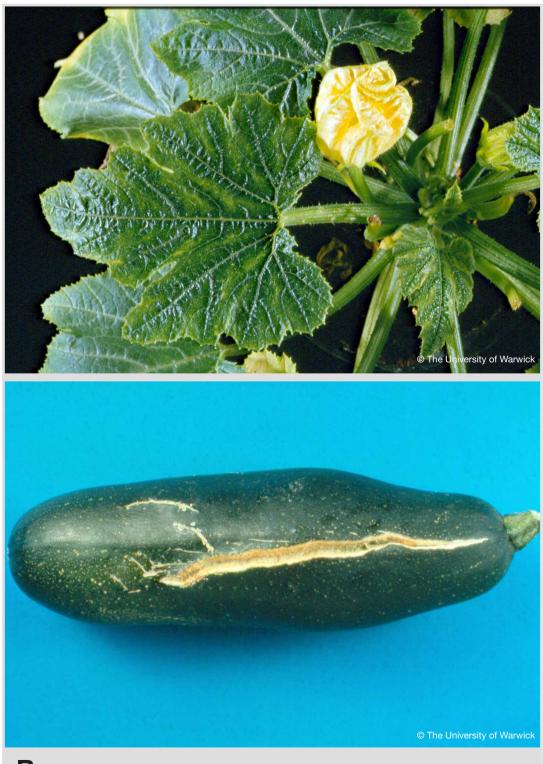






#### Potassium • Starts with faint marginal chlorosis on green leaves

Progresses to uniform chlorosis and marginal scorch/necrosis



#### Boron

- New leaves small, brittle, misshapen
- Fruit may crack and have necrotic spots



#### Calcium

- Tipburn and concave cupping of very young leaves
- Fruit may develop blossom end rot



Phosphorus

- Young leaves dull emerald-green and very 'flat'
- Leaves expand very slowly



#### Manganese

- Initial interveinal chlorosis
- Leaves become yellow



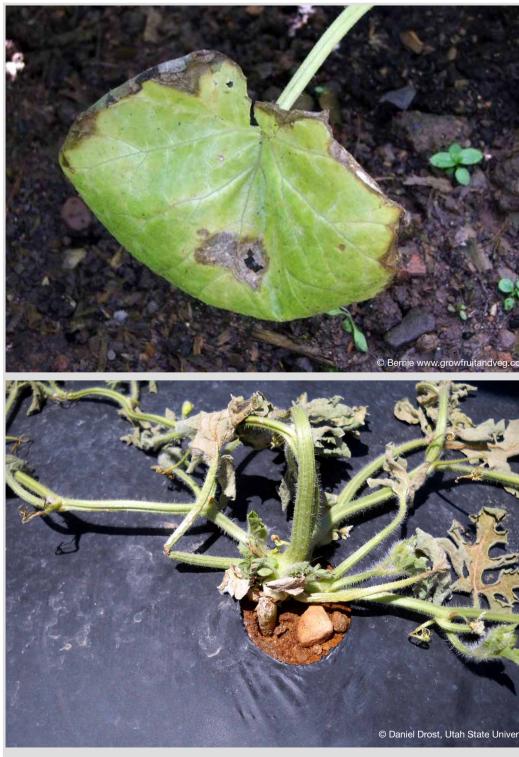
#### Magnesium

- Yellowing between leaf veins
- Progresses to severe interveinal scorch & stunting

### **Physiological disorders**



**Poor pollination** • Blossom end of fruit shrivels up and is prone to rot • Fruit misshapen and small



Wind damage • Damage to stems and leaf burn may occur

Field Vegetables



**Drought stress** • May result in undersized fruit





#### Water-logging

• Symptoms appear as nutrient deficiencies or as generalised yellowing of leaves



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