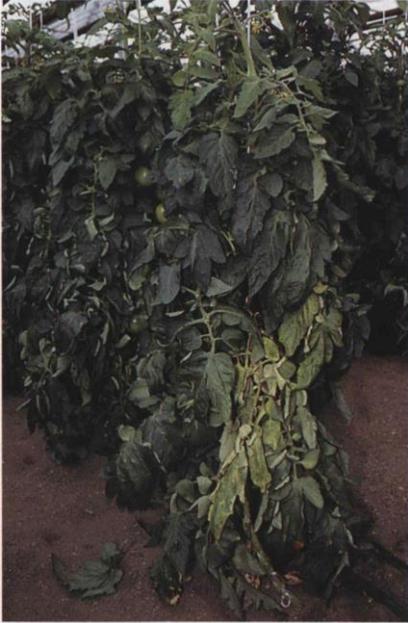


25.1 Bacterial canker; wilted plants; see also 18.1a-c.



25.3 Bacterial stem rot; petiole and leaf symptoms.



25.4a Pith necrosis; plant, showing chlorosis and wilt.



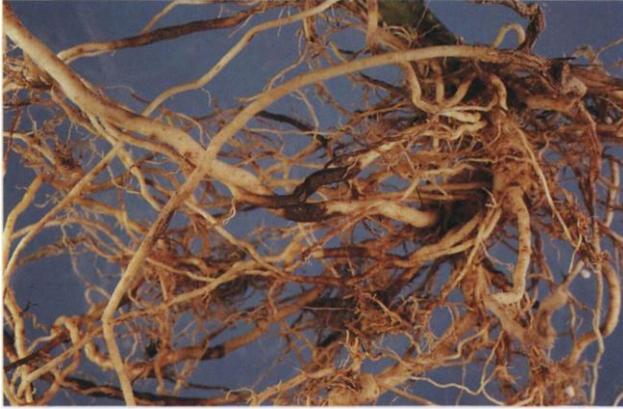
25.4b Pith necrosis; brown lesion on stem, often with many adventitious roots.



25.4c Pith necrosis; discoloration and collapse of pith tissues.



25.5 Stem necrosis; stem lesion, internal discoloration.



25.6a Corky root; lesions on roots.



25.6b Corky root; corky lesion showing splits in surface tissue.



25.7 Damping-off; affected seedlings.



25.8 *Didymella* stem canker; lesion on stem near soil line.



25.9a Early blight; “target spot” leaf lesions; see also 18.8.



25.9b Early blight (left) and septoria leaf spot (right); typical leaf symptoms.



25.10a Fusarium crown and root rot; basal stem canker.



25.10b Fusarium crown and root rot; internal browning of lower stem.



25.10c Fusarium crown and root rot; fruit rot caused by *Fusarium oxysporum* f. sp. *radicis-lycopersici*.



25.10d Fusarium crown and root rot; internal fruit rot.



25.11a Fusarium wilt; wilted plant, showing chlorotic leaves.



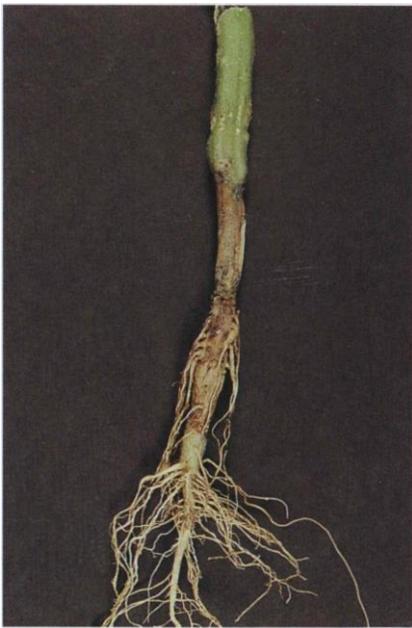
25.11b Fusarium wilt; wilted plant.



25.11c Fusarium wilt; brown vascular discoloration in stem.



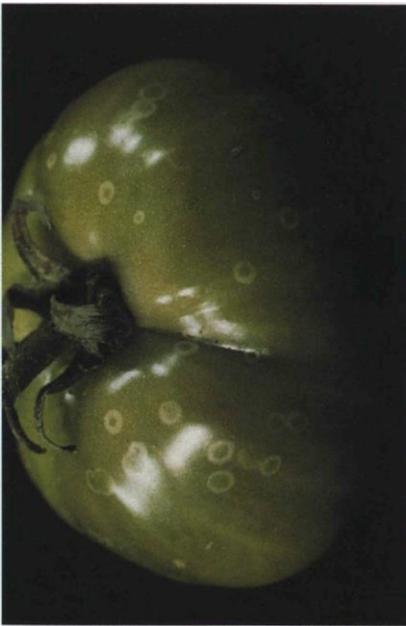
25.12a Gray mold; stem canker with sporulating *Botrytis cinerea*.



25.12b Gray mold; basal stem canker.



25.12c Gray mold; severely affected plants.



25.12d Gray mold; ghost spots on a green fruit; see also *18.11b*.



25.13a Late blight; leaf and fruit lesions.



25.13b Late blight; fruit rot.



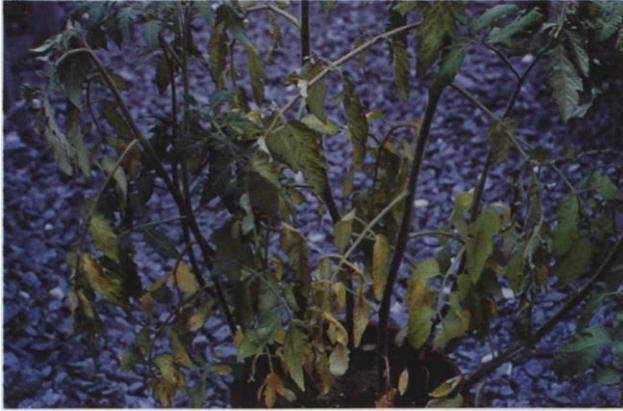
25.14 Leaf mold; lesions on underside of leaf.



25.15 Septoria blight; blighted tomato seedlings; see also 18.13.



25.16a Verticillium wilt; leaf chlorosis and dieback.



25.16b Verticillium wilt; wilted tomato plant.



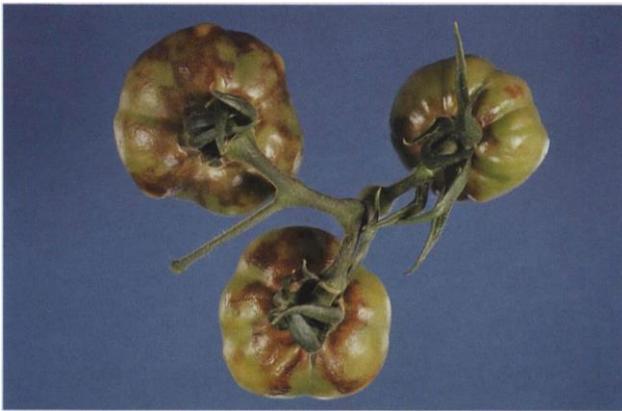
25.18a Cucumber mosaic; severe "shoestring" symptom; leaf blade is reduced or absent; see also *18.18a*.



25.18b Cucumber mosaic; mosaic symptoms on leaf.



25.19a Double streak; brown streaks on stem infected by potato virus X and tomato mosaic virus.



25.19b Double streak; dark lesions on fruit.



25.21a Tomato mosaic; stunted growth and pale-colored foliage.



25.21b Tomato mosaic; mosaic symptoms on leaves; see also *18.18a*.



25.21c Tomato mosaic; infected plants (between tall, healthy ones) are stunted and have small, fern-like leaves.



25.21d Tomato mosaic; internal and external symptoms on fruit.



25.21e Tomato mosaic; severely affected (right) and healthy fruit.



25.22a Tomato spotted wilt; foliar chlorosis and necrosis.



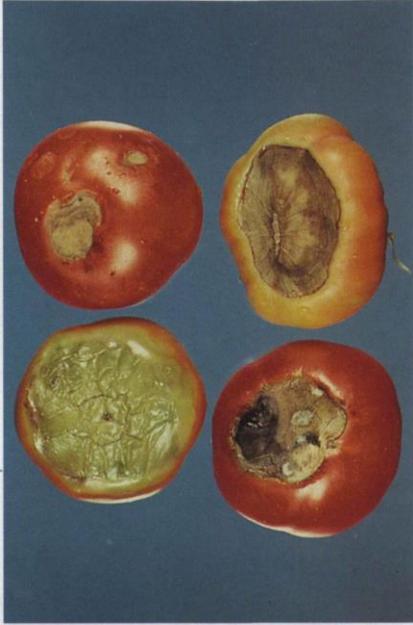
25.22b Tomato spotted wilt; severe foliar symptoms (leaf bronzing).



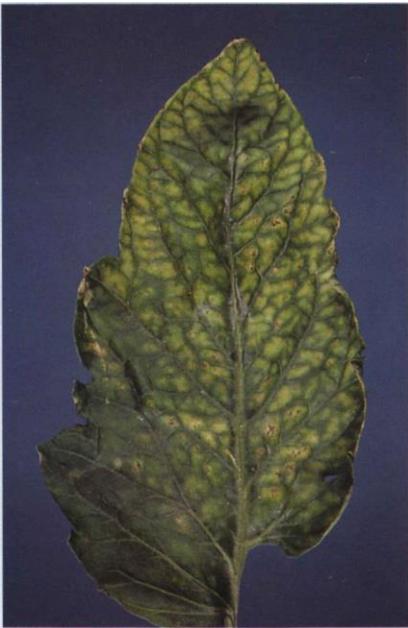
25.22c Tomato spotted wilt; discoloration of ripening fruit.



25.22d Tomato spotted wilt; blemished fruit of cultivar Jumbo.



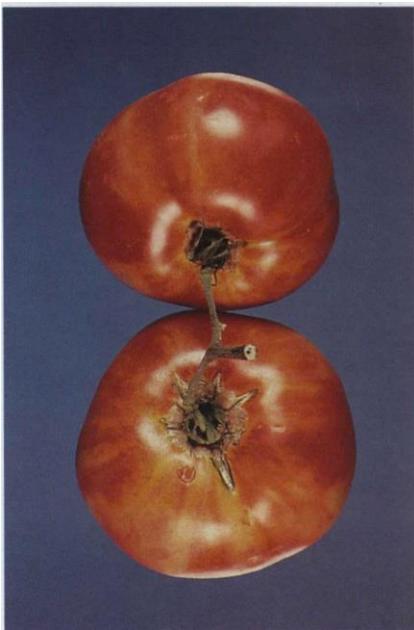
25.23 Blossom-end rot; affected fruit.



25.24a Magnesium deficiency; leaf symptoms; note upward cupping of margin.



25.24b Magnesium deficiency; severe symptoms; veins, margins remain green.



25.25a Blotchy ripening; moderately severe symptoms; see also 18.22.



25.25b Edema; blistered areas on underside of leaf.



25.25c Edema; blisters on blossom-end of fruit.



25.25d Edema; on ripe fruit.



25.25e Growth cracks; healthy and affected fruit.



25.26 Root-knot nematodes; southern (left) and northern (right); note larger galls on plant at left.



25.27a Greenhouse whitefly; infested leaf.



25.27b Greenhouse whitefly; adult; length \pm 1.5 mm.



25.27c Greenhouse whitefly; eggs.



25.27d Greenhouse whitefly; immature (nymphal and pupal) stages.



25.27e Greenhouse whitefly; pupae, parasitized by *Encarsia formosa* (black), non-parasitized (white).



25.27f *Encarsia formosa*, adult; a parasite of the greenhouse whitefly.



25.27g Black sooty mold growing on honeydew produced by greenhouse whitefly.



25.28a Chrysanthemum leafminer; adults feeding, and egg-laying scars.



25.28b Chrysanthemum leafminer; infested (mined) leaves.



25.28c Chrysanthemum leafminer; damaged tomato leaf.



25.28d Chrysanthemum leafminer; adult fly; length ± 2.5 mm.



25.28e Braconid wasp; a leafminer parasite resting on a mined leaf; note leaf mine with frass (dark line).



25.29 Western flower thrips; adult; length 1-2 mm.



25.32 Two-spotted spider mite; summer phase (below), and its predator *P. persimilis*.



25.31 Tomato russet mite; leaf damage.



26.1 Brown blotch; yellow to brown discoloration of caps.



26.2 Mummy; mushrooms dwarfed with slightly curved stem, tilted cap, and mycelial overgrowth of swollen base.