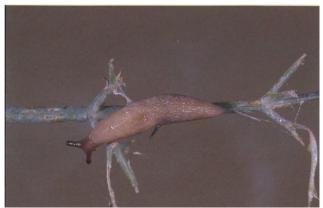


11.27b Spotted garden slug; scale in inches; length ≥100 mm.



11.27c Gray garden slug; juvenile with severe feeding damage on dill; length 35-50 mm.



12.1a Stewart's wilt; pale green streaks on leaves later turn brown.



12.1b Stewart's wilt; affected plant.



12.1c Stewart's wilt; severely affected plants in a field.



12.2a Damping-off; root and seed decay symptoms on a seedling.



12.2b Damping-off and root rot; circular area (center) of plants with leaf yellowing.



12.3a Gibberella ear rot; characteristic pinkish mycelium of Fusarium graminearum.



12.3b Fusarium kernel rot; white mycelium (Fusarium) and black perithecia (Gibberella)



12.3c Ear and kernel rot; sap beetles may be vectors of Fusarium spp.



12.4 Eyespot; moderately (right) and severely affected leaves.



12.5 Common rust; uredinial pustules on affected leaf.



12.6a Common smut; galls (boils) on an affected ear.



12.6b Common smut; affected tassel with galls.



12.7a Head smut; affected (brush-like) tassel.



12.7b Head smut; phyllody (left) and teliospore formation on ear.



12.8a Diplodia stalk rot; dry, pale brown rot of pith causes sudden wilt.



12.8b Gibberella stalk rot; pink to red discoloration of stem tissues.



12.8c Gibberella stalk rot; healthy (left) and severely affected stalks.



12.8d Pythium stalk rot; dark brown, water- soaked rot causes lodging.



12.9a Three- to five-leaf dieback; dieback, root rot and stunting (healthy, left).



12.9b Three- to five-leaf dieback; dead and weakened seedlings.



12.9c Three- to five-leaf dieback; affected older seedlings (healthy, right).



12.9d Three- to five-leaf dieback; note hypocotyl and *Penicillium*-colonized seeds.



12.10a Maize dwarf mosaic; mosaic stippling and dark green streaking on young plant.



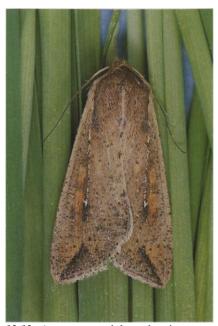
12.10b Maize dwarf mosaic; symptoms of strain B (= sugarcane mosaic virus).



12.12a Armyworm; injury to corn foliage.



12.12b Armyworm; larva.



12.12c Armyworm; adult moth; wingspan ± 40 mm.



12.13a Corn earworm; damage to ears.



12.13b Corn earworm; larva and damage on ear.



12.13c Corn earworn; larva and damage on ear.



12.13d Corn earworm; adult moth; wingspan 45-65 mm.



12.14 Corn leaf aphid; leaf and tassel infestation.



12.15a Northern corn rootworm; adult beetle on corn silks.



12.15b Northern corn rootworm; adult; length \pm 10 mm.



12.15c Western corn rootworm; adult; length \pm 10 mm.



12.16a European corn borer; leaf injury from larval feeding.



12.16b European corn borer; broken tassel; note aphids and lady beetle larva.



12.16c European corn borer; broken stalk from larval feeding.



12.16d European corn borer; lodging from larval feeding at the base of stalks.



12.16e European corn borer; larva feeding on ear.



12.16f European corn borer; larva and feeding damage on kernels.



12.16g European corn borer; adult moth; wingspan ±25 mm.



12.16h European corn borer; egg mass.



12.17a Fall armyworm; young larva and injury to corn silks.



12.17b Fall armyworm; intermediate larva.



12.17c Fall armyworm; mature larva, about 40 mm long.



12.17d Fall armyworm; pupa (normally found in the soil).



12.17e Fall armyworm; adult moth (dark form); wingspan 30-38 mm.



12.19 Four-spotted sap beetle; adult; length 4-7 mm.



12.20a Seedcorn maggot; larvae and damage to a germinating seed.



12.20b Seedcorn maggot; larva.



12.20c Seedcorn maggot; adult fly; length 7-9 mm.



12.21a Wireworm; larvae.



12.21b Wireworm; adult "click" beetle; length 3-30 mm.



12.22a Two-striped grasshopper; adult; length 25-40 mm.



12.22b Potato stem borer; larva on a corn seedling.