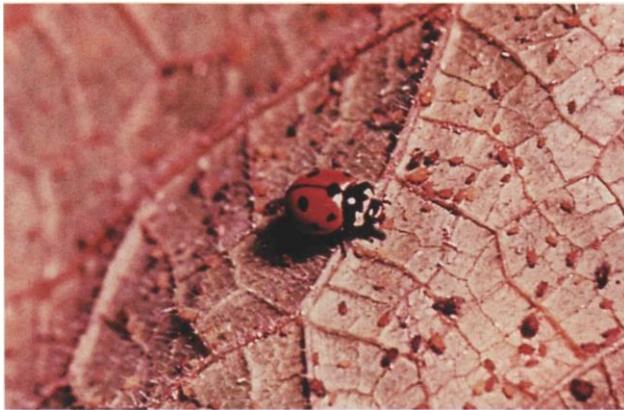




2.3q Clockwise from top: lamb's-quarters, shepherd's-purse, red- root pigweed, purslane.



3.7a Ground beetle (carabid); larvae beneficial, adults may damage small fruits; 4-12 mm.



3.7b Lady beetle; adult; both adults and larvae are predators on aphids.



3.7c Lady beetle; pupa on asparagus fern.



3.7d Green lacewing; larva feeding on an aphid (at top).



3.7e Green lacewing; adult and larva among aphids.



3.7f Hover fly; adult on flower.



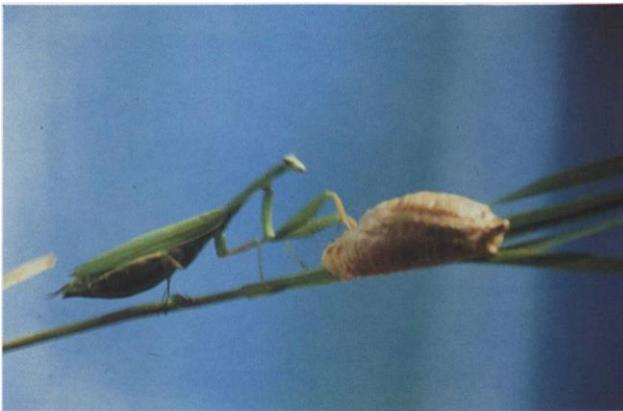
3.7g Hover fly; larva on corn leaf.



3.7h Hover fly; larva.



3.7i Predatory midge (cecidomyiid); larvae (brownish) feeding on aphids on cabbage.



3.7j Praying mantis; a non-selective predator, adult and its egg mass.



3.7k Predatory stink bug; nymph attacking Colorado potato beetle larva.



3.7m Predatory stink bug; adult attacking Colorado potato beetle larva.



3.7n Predatory wasp (vespid); adult attacking a bee.



3.7p Parasitic wasp (chalcid); adults emerging from pupa of an imported cabbageworm.



3.7q *Encarsia formosa*; wasp parasite of greenhouse whitefly.



3.7r Parasitic wasp (braconid); cocoons on back of hornworm larva.



3.7s *Aphidius* sp.; a braconid wasp parasite of aphids.



3.7t Sticky trap for thrips; blue is preferred because it is less attractive than yellow to parasitic wasps.



3.7u Parasitic wasp (braconid); larvae of *Macrocentrus* sp. emerging from a potato stem borer larva.



3.7v Parasitic fly (tachinid); adult emerged from pupa, and host European corn borer larva.



3.7w Greenhouse whitefly; pupae infected with the pathogenic fungus *Aschersonia aleyrodis*.



3.7x Cabbage looper; larva killed by nuclear polyhedrosis virus.



3.7y Cabbage looper; larval damage to untreated cabbage plants.



3.7z Cabbage looper; controlled with *Bacillus thuringiensis*, five applications.



3.10a Columbia root-knot nematode; galls on Russet Burbank potato tuber.



3.10b Columbia root-knot nematode; female nematodes and egg masses inside a potato tuber.



3.10c Potato tuberworm; larva tunneling in potato tuber.



3.10d Sweetpotato whitefly; adult and pupa.



3.10e Sweetpotato whitefly, adult (lower left); greenhouse whitefly, adult (right); note difference in angle of wings.



3.10f Sweetpotato whitefly; immature stages.



3.10g Sweetpotato whitefly; pupa parasitized by *Encarsia formosa*.



3.10h Tomato pinworm; larva on surface of a damaged tomato fruit.



3.11a Potato virus Y^N; mosaic symptoms in tobacco.



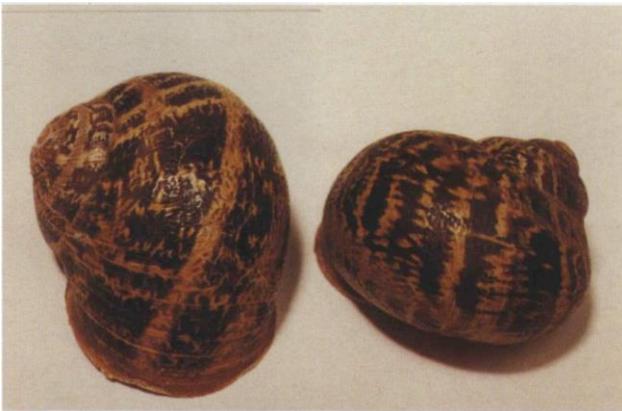
3.11b Potato virus Y^N; veinal necrosis symptom in tobacco.



3.11c Potato virus Y^N; ground cherry (*Physalis sp.*), a reservoir host of PVY^N.



3.11d Japanese beetle; adult resting on cinquefoil flower.



3.11e Brown garden snail; shell; width 32-38 mm. height 29-33 mm, number of whorls 4.0-4.5.



3.12 Nematode management; cucumber affected by southern root- knot nematodes (left); plants in fumigated soil (right) are taller.



3.13 Weed management; herbicide injury (leaf burn) to pea seedlings from atrazine residue in soil.



4.1a Botrytis blight; infection of lower canopy of asparagus ferns.