

SOFI OCN - OC&C: Unit 2 Theory of Organic Cultivation Element 12

PESTS - INSECTS	CROPS SUSCEPTIBLE	SYMPTOMS WHEN / WHERE	CAUSE	TREATMENT
Slugs	Young / leafy	Wet weather/long nights	Inadequate control	Planks / beer traps
Snails	Young / leafy / aerial	As above / stone walls	Abundant Calcium	as above / Crush
Caterpillars	Brassicas	Inside central shoot	Butterflies	Net / variety / squash
Aphids	Any	Seedlings / young shoots	Secondary in susceptible plants Indicate infertile soil/ poor cultivation and irregular watering	Quassia and soap Horsetail - preventative Many other toxic sprays
Whitefly	Brassicas			
Blackfly	Broad beans			
Woolly Aphid	Apples	Wounds on trunk		
Root Aphids	Any rotting material	Damaged roots		
Scale Insects	Bay Laurel	Bark / under leaves		Ignore
Flea Beetle	Swede / Strawberry	Holes in seed leaf / fruit	Drought	Rub off
Red Spider Mite	Aubergine/Cucumber/Corn	Webbing at top of plant	Too hot and dry	Water / sticky yellow
Carrot Fly	Carrot / Parsnip	Damage inside root	Maggot	Quassia / Rape oil
Pea-Bean Moth	Peas	Fruit eaten inside pod	Maggot	Protective fleece
Bean Weevil	Broad Bean	Scalloped leaves	Maggot	Improve soil in future
Wireworm	Potatoes	Brown lines thru spud	Weevil in shoot	Hoe / mulch / pick off
Vine Weevil	Perennial roots in pots	Necrosis / roots dead	Lifecycle - Couch	Mustard GM before
Big Bud Mite	Blackcurrant	Round buds in winter	Larvae	Don't buy in
Sawfly	Gooseberry	Leaves eaten in May	Maggot in bud	Prune / pick off
Codlin Moth	Apples	Larvae in centre of fruit	Larvae feeding	Understorey m'g't Mulch / break cycle
Leatherjacket	Roots	Young plants die		
Flatworm	Earthworms	Moist / dark / shaded	Imported plantstock	Cultivate soil
DISEASES				
Viruses e.g.	Strawberry	Red spots on leaves	Aphids transfer sap	Remove old leaves
Necrosis	Anything	Extremity / older first	Nutrients to seed	Clear dead haulm
Mould	Raspberry	Warm / wet	Airborne spores	Maximise ventilation and sunlight
Mildew	Strawberry / Grape	Wet / humid		
Rot	Roots	Suppuration	Previous damage	Better cultivation
Canker	Parsnips / roots	Orange welts	Damage / age	
Chlorosis	Tomato	Yellowing leaves	Lack of Magnesium	Epsom salts / Mg lime
Blight	Potato leaf then tuber	Orange-brown spots	Spores in warm-wet	Remove foliage
Smut	Onions	Grey fuzz on leaves	Airborne spores	Clear foliage / Dry well
Scab	Potato	Raised welts on skin	Excess lime in soil	Cosmetic – peel
Rusts	Leeks	Orange spots on old leaf	Soil splash	Compost infected
Wilts	Cucumber / Tomato	Whole plant fails	Root/Stem damage	None
Tree Canker	Apples	Bark Wound to heart-wood, then ring-barking	Waterborne spores	Prune or cut out all infected wood
PROBLEMS				
Cultivation	Mechanical damage. Fertility and nutritional deficiencies. Address Root cause as well as symptoms			
Watering	Maturing	Splitting of roots	Excess / insufficient	Regular / moderate
Pollination	Fruit not set/Seed unformed	Lack pollinating insects	Too early / weather	Attract pollinators
ANIMALS				
Rats	Roots / Seed	Harvest / Storage	Hunger	Protect whole growing site – Netting / Fencing / Hedging / Walls Traps Deterrents
Mice	Seed / Grain	In store		
Rabbits	Leafy crops	Especially in winter		
Pigeons	Winter/Spring Brassicas	Young top shoots		
Birds	Cherries / Soft fruit	July		
Badgers	Roots / Parsnips	Winter		
Livestock	Everything in their wake	Anything anytime		

Learner Sig.

Date

Assessor Sig.