

Crop Health & IPM

Pests





Pests: aphid/virus

- Yellow water trap network
- Insecticide sensitivity status of aphids
- Aphids & virus in seed crops
- Previous AHDB mineral oils work:
 - Effects variable, and in some situations, no reductions in virus incidence observed
- Subsequent published work from overseas:
 - Timing and frequency of mineral oil applications
 - Oils plus straw mulch or vetch [or oat] intercrop
- For 2021
 - Best performing treatments across trials from 2020

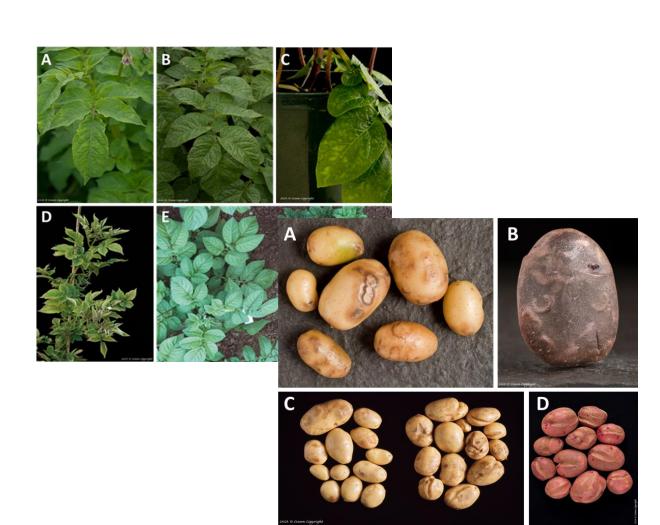




Pests: virus

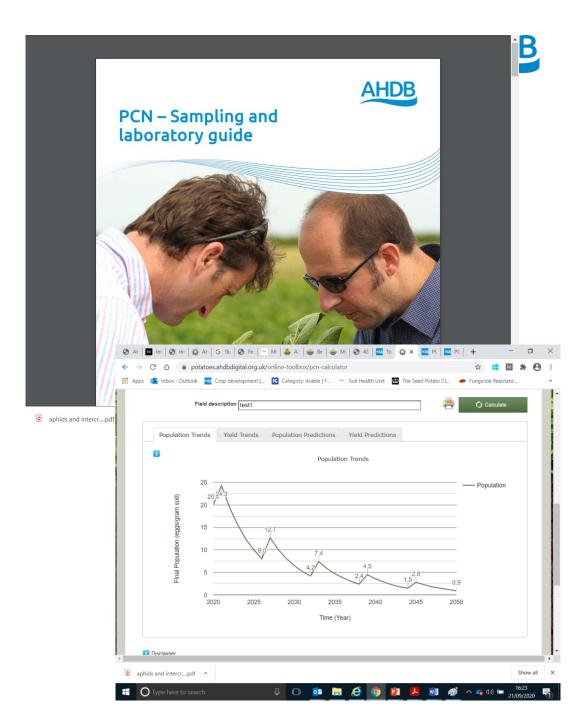
- Virus symptom expression
 - Virus strains, virus incidence, symptom expression

- Link to actions from National Virus Forum
 - Variety risk assessment
- AHDB Online content updated



Pests: Nematodes

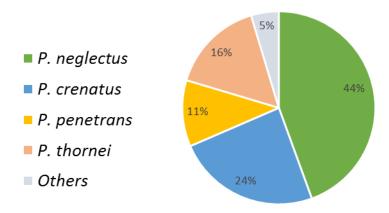
- PCN
 - Soil sampling project
 - Process whole sample: important for low populations
 - Fera now offer 1kg soil sample service
 - PCN calculator & Revised PCN model (up to 20 eggs/gm)
 - Need more tolerance info
 - Simple method to measure decline rate (using collected cysts)
 - Trap crops
 - 2013-2016 project: seed rates, sowing dates & herbicide screens





Other nematodes

- Lesion nematodes (Pratylenchus)
 - Molecular assays
 - Better idea of what's in the field if lesion nematodes are a concern



- FLN
- Cover crops, biofumigants
 - Best4Soil website

	Free-living root nematodes			l
	trans			
	Pratylenchus penetrans Northern root lesion nematode	Trichodorus primitivus Stubby-root nematode	Trichodorus similis Stubby-root nematode	
Potato	12345	12345	12345	Potato
Buckwheat	?	?	?	Buckwheat
Crimson clover	?	?	?	Crimson clover
Mustards	?	?	?	Mustards
Phacelia	***	•	?	Phacelia
Vetch	•••	•••	?	Vetch
White mustard	•••	***	•••	White mustard
Japanese/Black oat	-	?	?	Japanese/Black oat
Barley	••	**	?	Barley
Perennial ryegrass	**	***	•••	Perennial ryegrass
Radish	•••	***	••	Radish
Tumip	?	?	?	Turnip

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