

SCOUTING Disease Recognition



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09 2020

Local Name	Scientific Name	Overall
Pests		
Leaf-miner flies	Agromyzidae	75-90%
Whitefly	Aleyrodidae	75-90%
Aphids	Aphis	75-90%
Mealybug	Pseudococcidae	90-100%
Spider mite	Tetranychidae	75-90%
Thrips	Thysanoptera	90-100%
Cotton leafworm	Spodoptera litura	75-90%
Deficiency		
Boron deficiency	Boron deficiency	90-100%
Calcium deficiency	Calcium deficiency	90-100%
Iron deficiency	Iron deficiency	75-90%
Potassium deficiency	Potassium deficiency	90-100%
Magnesium deficiency	Magnesium deficiency	75-90%
Nitrogen Deficiency	Nitrogen deficiency	75-90%
Phosphorus deficiency	Phosphorus deficiency	90-100%
Zinc deficiency	Zinc deficiency	75-90%
Maize		
Leafhopper	Amrasca sp.	75-90%
Grey leaf spot	Cercospora zeae-maydis	75-90%
Spotted stalk borer	Chilo partellus	N/A
Goss's wilt	Clavibacter michiganensis	50-75%
Indian cotton jassid	Amrasca devastans	90-100%
Blight of cereals	Gibberella zeae	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Southern rust	Puccinia polysora	90-100%
Common rust	Puccinia sorghi	25-50%
Violet stem borer	Sesamia inferens	N/A
Leaf blight	Setosphaeria turcica	75-90%
Common smut of corn	Ustilago maydis	90-100%
Soybean		
Leafhopper	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Frogeye leaf spot	Cercospora sojina	90-100%
Anthracnose	Colletotrichum truncatum	25-50%
Target spot	Corynespora cassiicola	75-90%
Pod and stem blight	Diaporthe sojae	N/A
Overfertilisation	Fertilizer burn	N/A
Sudden death syndrome	Fusarium virguliforme	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Powdery mildew	Erysiphe diffusa	50-75%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Downy mildew	Peronospora manshurica	90-100%
Pesticide burn	Pesticide burn	N/A
Asian soybean rust	Phakopsora pachyrhizi	50-75%
Sclerotinia	Sclerotinia sclerotiorum	25-50%

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Local Name	Scientific Name	Overall
Brown spot	Septoria glycines	90-100%
Wheat		
Powdery mildew	Blumeria graminis	90-100%
Blight of cereals	Gibberella zeae	75-90%
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Snow mould	Monographella nivalis	N/A
Cereal leaf beetle	Oulema sp.	75-90%
Eyespot	Oculimacula yallundae	N/A
Brown rust	Puccinia triticina	75-90%
Stripe rust	Puccinia striiformis	75-90%
Tan spot	Pyrenophora tritici-repentis	50-75%
Septoria leaf blotch	Zymoseptoria tritici	90-100%
Loose smut	Ustilago segetum var. tritici	90-100%
Cotton		
Sooty mold	Pezizomycotina	90-100%
Leafhopper	Amrasca sp.	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
Overfertilisation	Fertilizer burn	N/A
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Grey mildew	Mycosphaerella areola	75-90%
Sorghum		
Sooty mold	Pezizomycotina	90-100%
Leafhopper	Amrasca sp.	75-90%
Spotted stalk borer	Chilo partellus	N/A
Indian cotton jassid	Amrasca devastans	90-100%
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Violet stem borer	Sesamia inferens	N/A
Rice		
Spotted stalk borer	Chilo partellus	N/A
Brown spot disease	Cochliobolus miyabeanus	75-90%
Blight of cereals	Gibberella zeae	90-100%
No symptoms	No Symptoms	75-90%
Brown planthopper	ostruhovník Nilaparvata lugens	50-75%
Rice blast	Pyricularia oryzae	90-100%
Rice sheath blight	Thanatephorus cucumeris	75-90%
False smut	Villosiclava virens	90-100%
Bacterial blight	Xanthomonas oryzae pv. oryzae	75-90%
Sunflower		
No symptoms	No Symptoms	90-100%
Sclerotinia	Sclerotinia sclerotiorum	N/A
Beans		
Leafhopper	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Indian cotton jassid	Amrasca devastans	90-100%

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Local Name	Scientific Name	Overall
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Fall army worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Sclerotinia	Sclerotinia sclerotiorum	N/A
Urd bean leaf crinkle virus	Urd bean leaf crinke virus	90-100%

Faba Bean

Leafhopper	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Indian cotton jassid	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%

Peas

Leafhopper	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Indian cotton jassid	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%

Rapeseed

Alternaria leaf spot	Alternaria brassicae	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
Overfertilisation	Fertilizer burn	N/A
No symptoms	No Symptoms	50-75%
Helicoverpa	Helicoverpa armigera	75-90%
Black leg	Plenodomus lingam	75-90%
Pollen beetle	Brassicogethes aeneus	50-75%
Sclerotinia	Sclerotinia sclerotiorum	N/A

Barley

Powdery mildew	Blumeria graminis	90-100%
Blight of cereals	Gibberella zeae	90-100%
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Cereal leaf beetle	Oulema sp.	90-100%
Physiological leaf spot	Physiological leaf spot	N/A
Pollen necrosis	Pollen necrosis	N/A
Eyespot	Oculimacula yallundae	N/A
Brown rust	Puccinia hordei	25-50%
Stripe rust	Puccinia striiformis	90-100%
Net blotch	Pyrenophora teres	75-90%
Ramularia leaf spot	Ramularia collo-cygni	90-100%
Leaf scald	Rhynchosporium secalis	75-90%

Peanuts

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Local Name	Scientific Name	Overall
Late or early leaf spot	Mycosphaerella	90-100%
Leafhopper	Amrasca sp.	90-100%
Indian cotton jassid	Amrasca devastans	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Rust	Puccinia arachidis	75-90%

Sugar Beet

Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Ramularia leaf spot	Ramularia beticola	N/A

Carrots

No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%

Potatoes

Early blight	Alternaria solani	50-75%
Leafhopper	Amrasca sp.	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
Eggplant lace bug	Gargaphia solani	75-90%
Leafminer	Tuta absoluta	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Silver scurf	Helminthosporium solani	90-100%
Broad mite	Polyphagotarsonemus latus	90-100%
Fall army worm	Spodoptera frugiperda	90-100%
Fruit borer	Leucinodes orbonalis	75-90%
Powdery mildew	Leveillula taurica	90-100%
Late blight	Phytophthora infestans	90-100%
Streptomyces scabies & Spongospora subterranea	Streptomyces scabies & Spong	90-100%
Black scurf	Thanatephorus cucumeris	75-90%
Tomato yellow leaf curl virus	Yellow leaf curl virus	90-100%

Millet

Leafhopper	Amrasca sp.	75-90%
Spotted stalk borer	Chilo partellus	N/A
Indian cotton jassid	Amrasca devastans	90-100%
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Rice blast	Pyricularia oryzae	90-100%
Violet stem borer	Sesamia inferens	N/A

Sugar cane

Physiological Disorder	Physiological Disorder	90-100%
Bipolaris sacchari	Bipolaris sacchari	90-100%
Eriosoma lanigerum	Eriosoma lanigerum	90-100%
Colletotrichum falcatum	Colletotrichum falcatum	90-100%
No symptoms	No Symptoms	90-100%
Epicoccum sorghinum	Epicoccum sorghinum	90-100%
Puccinia melanocephala	Puccinia melanocephala	90-100%
Pyrilla perpusilla	Pyrilla perpusilla	75-90%

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Local Name	Scientific Name	Overall
Schizotetranychus andropogoni	Schizotetranychus andropogon	90-100%
Sporisorium scitamineum	Sporisorium scitamineum	90-100%
Rye		
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Cereal leaf beetle	Oulema sp.	90-100%
Eyespot	Oculimacula yallundae	N/A
Brown rust	Puccinia recondita f. sp. recon	N/A
Stripe rust	Puccinia striiformis	90-100%
Septoria leaf blotch	Zymoseptoria tritici	90-100%
Loose smut	Ustilago segetum var. tritici	90-100%
Oat		
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Cereal leaf beetle	Oulema sp.	90-100%
Eyespot	Oculimacula yallundae	N/A
Grapes		
Leafhopper	Amrasca sp.	75-90%
Erineum mite	Colomerus vitis	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Downy mildew	Plasmopara viticola	90-100%
Apples		
Leafhopper	Amrasca sp.	75-90%
Woolly apple aphid	Eriosoma lanigerum	90-100%
No symptoms	No Symptoms	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Citrus		
Sooty mold	Pezizomycotina	90-100%
Algal leaf spot	Cephaleuros virescens	90-100%
Citrus scab	Elsinoë fawcettii	50-75%
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Citrus Canker	Xanthomonas citri pv. citri	90-100%
Peaches		
Leafhopper	Amrasca sp.	75-90%
No symptoms	No Symptoms	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Leaf blister	Taphrina deformans	75-90%
Courgette		
Powdery mildew	Blumeria graminis	75-90%
No symptoms	No Symptoms	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Powdery mildew	Leveillula taurica	90-100%
Tomatoes		
Early blight	Alternaria solani	75-90%

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Local Name	Scientific Name	Overall
Leafhopper	Amrasca sp.	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	90-100%
Eggplant lace bug	Gargaphia solani	75-90%
Leafminer	Tuta absoluta	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Fall army worm	Spodoptera frugiperda	90-100%
Fruit borer	Leucinodes orbonalis	75-90%
Powdery mildew	Leveillula taurica	90-100%
Late blight	Phytophthora infestans	90-100%
Sclerotinia	Sclerotinia sclerotiorum	N/A
Xanthomonas spp. & Pseudomonas syringae	Xanthomonas spp. & Pseudomonas syringae	90-100%
Tomato yellow leaf curl virus	Yellow leaf curl virus	90-100%

Cabbage

Alternaria leaf spot	Alternaria brassicae	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Black leg	Plenodomus lingam	90-100%

Eggplant

Early blight	Alternaria solani	75-90%
Leafhopper	Amrasca sp.	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
Eggplant lace bug	Gargaphia solani	75-90%
Leafminer	Tuta absoluta	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Fall army worm	Spodoptera frugiperda	90-100%
Fruit borer	Leucinodes orbonalis	75-90%
Powdery mildew	Leveillula taurica	90-100%
Tomato yellow leaf curl virus	Yellow leaf curl virus	90-100%

Cucumbers

Leafhopper	Amrasca sp.	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	75-90%
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Powdery mildew	Leveillula taurica	90-100%

Lettuce

Early blight	Alternaria solani	75-90%
Leafhopper	Amrasca sp.	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
No symptoms	No Symptoms	90-100%
Fall army worm	Spodoptera frugiperda	90-100%

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Local Name	Scientific Name	Overall
Pepper		
Sooty mold	Pezizomycotina	75-90%
Early blight	Alternaria solani	75-90%
Leafhopper	Amrasca sp.	75-90%
Indian cotton jassid	Amrasca devastans	90-100%
Eggplant lace bug	Gargaphia solani	75-90%
Leafminer	Tuta absoluta	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Fall army worm	Spodoptera frugiperda	90-100%
Powdery mildew	Leveillula taurica	90-100%
Sclerotinia	Sclerotinia sclerotiorum	N/A
Tomato yellow leaf curl virus	Yellow leaf curl virus	90-100%
Pumpkins		
Powdery mildew	Blumeria graminis	75-90%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Powdery mildew	Leveillula taurica	90-100%
Cherries		
Leafhopper	Amrasca sp.	75-90%
No symptoms	No Symptoms	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Plums		
No symptoms	No Symptoms	75-90%
Raspberries		
No symptoms	No Symptoms	75-90%
Strawberries		
No symptoms	No Symptoms	90-100%
Angular leaf spot	Xanthomonas fragariae	N/A
Pears		
Woolly apple aphid	Eriosoma lanigerum	90-100%
European pear rust	Gymnosporangium sabinae	90-100%
No symptoms	No Symptoms	90-100%
Scab	Venturia pyrina	N/A
Apricot		
Leafhopper	Amrasca sp.	75-90%
No symptoms	No Symptoms	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Chard		
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Ramularia leaf spot	Ramularia beticola	N/A
Currants		
Redcurrant blister aphid	Cryptomyzus ribis	90-100%

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Local Name	Scientific Name	Overall
No symptoms	No Symptoms	75-90%
Mango		
Sooty mold	Pezizomycotina	75-90%
Algal leaf spot	Cephaleuros virescens	90-100%
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Gall fly	Procontarinia sp.	90-100%
Papaya		
Sooty mold	Pezizomycotina	90-100%
No symptoms	No Symptoms	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Chickpea		
Leafhopper	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Indian cotton jassid	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Pigeonpeas		
Leafhopper	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Indian cotton jassid	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Gram		
Leafhopper	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Indian cotton jassid	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa	Helicoverpa armigera	75-90%
Fall army worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Urd bean leaf crinkle virus	Urd bean leaf crinke virus	90-100%
Bananas		
No symptoms	No Symptoms	90-100%
Mycosphaerella sp.	Mycosphaerella sp.	N/A
Mealy pod disease	Trachysphaera fructigena	90-100%
Roses		
Rose black spot diseases	Diplocarpon rosae	90-100%
No symptoms	No Symptoms	90-100%