

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 (genus)	Aphis	75-90%
Mealybug (family)	Pseudococcidae	90-100%
Spider mite (family)	Tetranychidae	75-90%
Thrips (order)	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%
Corn		
Leafhoppers and jassids	Amrasca sp.	75-90%
Gray Leaf Spot	Cercospora zeae-maydis	75-90%
Durra stem borer	Chilo partellus	N/A
Goss Wilt	Clavibacter michiganensis	50-75%
Cotton jassid; Indian	Amrasca devastans	90-100%
Blight of cereals	Gibberella zeae	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Brown rust	Puccinia polysora	90-100%
Common rust	Puccinia sorghi	25-50%
Rice stem borer	Sesamia inferens	N/A
Northern Corn Leaf Blight	Setosphaeria turcica	75-90%
Common smut of corn	Ustilago maydis	90-100%
Soybean		
Leafhoppers and jassids	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
Fertilizer burn	Fertilizer burn	N/A
Sudden Death Syndrome (Sds)	Fusarium virguliforme	90-100%
No symptoms	No Symptoms	90-100%
Earworm of corn	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 in Soybeans	Pesticide burn	N/A
Asian Soybean Rust	Phakopsora pachyrhizi	50-75%
White Mold	Sclerotinia sclerotiorum	25-50%

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Septoria 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 species	Helicoverpa armigera	75-90%
Snow Mold	Monographella nivalis	N/A
Cereal leaf beetle	Oulema sp.	75-90%
Eyespot	Oculimacula yallundae	N/A
Leaf 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%
Leafhoppers and jassids	Amrasca sp.	75-90%
cotton leaf hopper	Amrasca devastans	90-100%
Fertilizer burn	Fertilizer burn	N/A
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
areolate mildew of cotton	Mycosphaerella areola	75-90%
Sorghum		
Sooty Mold	Pezizomycotina	90-100%
Leafhoppers and jassids	Amrasca sp.	75-90%
Spotted Stemborer	Chilo partellus	N/A
Cotton jassid; Indian	Amrasca devastans	90-100%
No symptoms	No Symptoms	75-90%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
gramineous stem borer	Sesamia inferens	N/A
Rice		
Stalk borer; Spotted	Chilo partellus	N/A
brown spot of rice	Cochliobolus miyabeanus	75-90%
Blight of cereals	Gibberella zeae	90-100%
No symptoms	No Symptoms	75-90%
brown-backed rice planthopper	ostruhovník Nilaparvata lugens	50-75%
Rice blast	Pyricularia oryzae	90-100%
areolate leaf spot	Thanatephorus cucumeris	75-90%
false smut	Villosiclava virens	90-100%
bacterial blight of rice	Xanthomonas oryzae pv. oryzae	75-90%
Sunflower		
No symptoms	No Symptoms	90-100%
Sclerotinia	Sclerotinia sclerotiorum	N/A
Beans		
Leafhoppers and jassids	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Cotton jassid; Indian	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 species	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Grass worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Sclerotinia	Sclerotinia sclerotiorum	N/A
Urd bean leaf crinke virus	Urd bean leaf crinke virus	90-100%

Faba Bean

Leafhoppers and jassids	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Cotton jassid; Indian	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%

Pea

Leafhoppers and jassids	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Cotton jassid; Indian	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%

Oilseed rape

Black spot	Alternaria brassicae	75-90%
Cotton jassid; Indian	Amrasca devastans	90-100%
Fertilizer burn	Fertilizer burn	N/A
No symptoms	No Symptoms	50-75%
Helicoverpa species	Helicoverpa armigera	75-90%
Black Leg	Plenodomus lingam	75-90%
Rape Beetle	Brassicogethes aeneus	50-75%
White Mold	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 species	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 of barley	Puccinia hordei	25-50%
Stripe rust	Puccinia striiformis	90-100%
Net blotch of barley	Pyrenophora teres	75-90%
Ramularia leaf spot	Ramularia collo-cygni	90-100%
leaf blotch of cereals	Rhynchosporium secalis	75-90%

Peanuts

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Local Name	Scientific Name	Overall
Mycosphaerella	Mycosphaerella	90-100%
Leafhoppers and jassids	Amrasca sp.	90-100%
Cotton jassid; Indian	Amrasca devastans	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass 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 species	Helicoverpa armigera	75-90%

Potato

early blight of eggplant	Alternaria solani	50-75%
Leafhoppers and jassids	Amrasca sp.	75-90%
Cotton jassid; Indian	Amrasca devastans	90-100%
Eggplant lace bug	Gargaphia solani	75-90%
Leafminer; Tomato-	Tuta absoluta	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
silver scurf of potato	Helminthosporium solani	90-100%
Broad mite	Polyphagotarsonemus latus	90-100%
Grass 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%
areolate leaf spot	Thanatephorus cucumeris	75-90%
Tomato Yellow Leaf Curl Virus	Yellow leaf curl virus	90-100%

Millet

Leafhoppers and jassids	Amrasca sp.	75-90%
Stalk borer; Spotted	Chilo partellus	N/A
Cotton jassid; Indian	Amrasca devastans	90-100%
No symptoms	No Symptoms	75-90%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Rice blast	Pyricularia oryzae	90-100%
Rice 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
Grape		
Leafhoppers and jassids	Amrasca sp.	75-90%
erineum leaf 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 of grapevine	Plasmopara viticola	90-100%
Apples		
Leafhoppers and jassids	Amrasca sp.	75-90%
Woolly 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%
common scab of orange	Elsinoë fawcettii	50-75%
No symptoms	No Symptoms	75-90%
Helicoverpa species	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Asiatic canker	Xanthomonas citri pv. citri	90-100%
Peaches		
Leafhoppers and jassids	Amrasca sp.	75-90%
No symptoms	No Symptoms	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Leaf blister	Taphrina deformans	75-90%
Zucchini		
Powdery mildew	Blumeria graminis	75-90%
Rust; Pear	No Symptoms	75-90%
Grass 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
Leafhoppers and jassids	Amrasca sp.	75-90%
Cotton jassid; Indian	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	90-100%
Eggplant lace bug	Gargaphia solani	75-90%
Tuta Absoluta	Tuta absoluta	90-100%
No symptoms	No Symptoms	90-100%
bollworm	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Grass worm	Spodoptera frugiperda	90-100%
Fruit borer	Leucinodes orbonalis	75-90%
powdery mildew of cereals	Leveillula taurica	90-100%
Late blight	Phytophthora infestans	90-100%
Sclerotinia	Sclerotinia sclerotiorum	N/A
Xanthomonas spp. & Pseudomonas syringae	Xanthomonas spp. & Pseudomonas	90-100%
Yellow Leaf Curl Virus	Yellow leaf curl virus	90-100%

Cabbage

black spot	Alternaria brassicae	75-90%
Cotton jassid; Indian	Amrasca devastans	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Black leg	Plenodomus lingam	90-100%

Eggplant

Early blight	Alternaria solani	75-90%
Leafhoppers and jassids	Amrasca sp.	75-90%
Cotton jassid; Indian	Amrasca devastans	90-100%
Eggplant lace bug	Gargaphia solani	75-90%
Leafminer; Tomato-	Tuta absoluta	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Grass 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

Leafhoppers and jassids	Amrasca sp.	75-90%
Cotton jassid; Indian	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	75-90%
No symptoms	No Symptoms	75-90%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Powdery mildew	Leveillula taurica	90-100%

Lettuce

Early blight	Alternaria solani	75-90%
Leafhoppers and jassids	Amrasca sp.	75-90%
Cotton jassid; Indian	Amrasca devastans	90-100%
No symptoms	No Symptoms	90-100%
Grass 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%
Leafhoppers and jassids	Amrasca sp.	75-90%
Cotton jassid; Indian	Amrasca devastans	90-100%
Eggplant lace bug	Gargaphia solani	75-90%
Leafminer; Tomato-	Tuta absoluta	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Grass worm	Spodoptera frugiperda	90-100%
powdery mildew of aubergine	Leveillula taurica	90-100%
Sclerotinia	Sclerotinia sclerotiorum	N/A
Tomato Yellow Leaf Curl Virus	Yellow leaf curl virus	90-100%
Pumpkin		
Powdery mildew	Blumeria graminis	75-90%
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Powdery mildew	Leveillula taurica	90-100%
Cherry		
Leafhoppers and jassids	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 of strawberry	Xanthomonas fragariae	N/A
Pears		
Aphid; Woolly apple	Eriosoma lanigerum	90-100%
rust of juniper	Gymnosporangium sabiniae	90-100%
No symptoms	No Symptoms	90-100%
black spot of pear	Venturia pyrina	N/A
Apricot		
Leafhoppers and jassids	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 species	Helicoverpa armigera	75-90%
Ramularia leaf spot	Ramularia beticola	N/A
Currants		
redcurrant 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%
Cephaleuros virescens	Cephaleuros virescens	90-100%
No symptoms	No Symptoms	75-90%
Helicoverpa species	Helicoverpa armigera	75-90%
Gall fly; Mango	Procontarinia sp.	90-100%
Papaya		
Sooty Mold	Pezizomycotina	90-100%
No symptoms	No Symptoms	75-90%
Broad mite	Polyphagotarsonemus latus	90-100%
Chickpea		
Leafhoppers and jassids	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Cotton jassid; Indian	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Pigeon pea		
Leafhoppers and jassids	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Cotton jassid; Indian	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	N/A
No symptoms	No Symptoms	75-90%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Gram		
Leafhoppers and jassids	Amrasca sp.	75-90%
Bean common mosaic virus	Bean common mosaic virus	90-100%
Cotton jassid; Indian	Amrasca devastans	90-100%
Powdery mildew	Blumeria graminis	90-100%
No symptoms	No Symptoms	90-100%
Helicoverpa species	Helicoverpa armigera	75-90%
Grass worm	Spodoptera frugiperda	90-100%
Mungbean yellow mosaic virus	Mungbean yellow mosaic virus	90-100%
Urd bean leaf crincke virus	Urd bean leaf crincke virus	90-100%
Bananas		
No symptoms	No Symptoms	90-100%
Mycosphaerella sp. cigar-end disease of banana	Mycosphaerella sp.	N/A
	Trachysphaera fructigena	90-100%
Rose		
Black Spot	Diplocarpon rosae	90-100%
No symptoms	No Symptoms	90-100%