

Disease Terminology



SOUTH PACIFIC SEEDS
SINCE 1986

CODE	DISEASE	CROP
Aac	Bacterial fruit blotch	Melon, Pumpkin, Rockmelon, Squash, Squash Kabocha, Watermelon
Aal	Alternaria Stem Canker	Tomato
Ac	White blister	Baby Broccoli, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage
Ad	Alternaria leaf blight	Carrot
Alt	Alternaria	Melon, Rockmelon, Watermelon
Ao	White rust	Spinach
Ba	Botrytis neck rot	Onion
Bl	Downy mildew	Endive, Lettuce
Bm	Southern Corn Leaf Blight	Sweet Corn
Bot	Botrytis	Tomato
BPVY	Beet Pseudo Yellows	Cucumber
Cc	Cercospora leaf blight	Carrot
Cca	Corynespora blight and target spot	Cucumber
Ccu	Scab and gummosis	Cucumber
CeMV	Celery mosaic	Celeriac, Celery
Cmm	Bacterial canker	Tomato
CMV	Cucumber mosaic	Capsicum, Chilli Hot, Cucumber, Pumpkin, Spinach
Co	Anthrachnose	Cucumber, Melon, Rockmelon, Watermelon
Cv	Leaf spot	Spinach
CVYV	Cucumber vein yellowing	Cucumber
CYSDV	Cucumber yellow stunting disorder	Cucumber
Db	Gummy stem blight	Cucumber, Melon, Pumpkin, Rockmelon, Squash, Squash (Kabocha), Watermelon
Eh	Powdery mildew	Carrot
Et	Northern corn leaf blight	Sweet Corn
Foc	Fusarium wilt	Cucumber, Pumpkin, Squash, Squash (Kabocha)
Fol	Fusarium wilt	Tomato
Fom	Fusarium wilt	Eggplant, Melon, Pumpkin, Rockmelon, Squash
Fon	Fusarium wilt	Watermelon
For	Fusarium crown rot	Tomato
LMV	Lettuce mosaic	Lettuce
Lt	Powdery mildew (Leveillua)	Capsicum, Tomato
Ma/Mi/Mj	Nematode (Ma/Mi/Mj)	Tomato
Mb	Ring spot	Baby Broccoli, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage
MDMV	Maize Dwarf Mosaic Virus	Sweet Corn
MLBV	Lettuce Big Vein	Lettuce
MNSV	Melon Necrotic Spot	Melon, Rockmelon
N	Nematode	Tomato
Nr	Nasonovia Aphid	Lettuce

On	Powdery mildew (Oidium)	Capsicum, Tomato
OYVMV	Okra Yellow Vein Mosaic	Okra
Pa	Rust	Leek
Pb	Clubroot	Broccoli, Cabbage, Cauliflower, Chinese Cabbage, Choy Sum, Kale, Pak choy, Radish
Pc	Bacterial rot	Lettuce
Pcu	Downy mildew	Cucumber, Melon, Pumpkin, Rockmelon, Squash, Squash (Kabocha), Zucchini
Pd	Downy mildew	Leek, Onion, Onion Bunching
PepMoV	Pepper mottle virus	Capsicum, Chilli Hot
Pe	Downy mildew	Spinach
Pf	Leaf mould (cladosporium)	Tomato
Pm	Powdery mildew	Okra
Pp	Downy mildew	Radish
PRSV	Papaya ringspot	Cucumber, Melon, Pumpkin, Rockmelon, Squash, Squash (Kabocha), Watermelon, Zucchini
Ps	Cavity spot	Carrot
Ps	Common Rust	Sweet Corn
Psa	Bacterial leaf spot	Celeriac, Celery, Parsley
Psl	Angular leaf spot	Cucumber
Psp	Halo blight	Bean, Eggplant
Pst	Bacterial speck	Tomato
Pt	Pink root	Onion
PVY	Potato Y	Capsicum, Chilli Hot
Px	Powdery mildew	Cucumber, Melon, Pumpkin, Rockmelon, Squash, Squash (Kabocha), Watermelon, Zucchini
Rs	Bacterial wilt	Tomato
Rs	Corky root	Lettuce
S	Grey leaf spot	Tomato
Sa	Septoria Late Blight	Celeriac, Celery
SqMV	Squash mosaic	Pumpkin, Squash, Squash (Kabocha), Zucchini
TMV	Tobacco mosaic	Capsicum, Chilli Hot, Eggplant, Tomato
ToMV	Tomato mosaic	Capsicum, Tomato
TSWV	Tomato spotted wilt	Capsicum, Chilli Hot, Tomato
TYLCV	Tomato yellow leaf curl	Tomato
Ua	Rust	Bean
Um	Common Smut	Sweet Corn
Va	Verticillium wilt albo-atrum	Eggplant, Tomato
Vd	Verticillium wilt dahliae	Tomato
Wi	Silvering	Tomato
WMV	Watermelon mosaic	Cucumber, Melon, Pumpkin, Rockmelon, Squash, Squash (Kabocha), Watermelon, Zucchini
Xcc	Black rot	Broccoli, Cabbage, Cauliflower, Chinese Cabbage, Choy Sum, Kale, Pak choy
Xcv	Bacterial spot	Capsicum, Chilli Hot, Lettuce, Tomato
Xhc	Bacterial leaf blight	Carrot
ZYMV	Zucchini yellow mosaic	Cucumber, Melon, Pumpkin, Rockmelon, Squash, Squash (Kabocha), Watermelon, Zucchini



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Definition of the terms for pathogens

Definitions of the Terms Describing the Reaction of Plants to Pests or Pathogens for the Vegetable Seed Industry (Adopted by the International Seed Federation [ISF])

1. Introduction

The relationship between a plant and plant pathogen is very complex. The ability of a plant pest or pathogen to cause disease in a plant depends on environmental conditions, the properties of the organism itself and the capacity of the plant to defend themselves. Under different climatic conditions the interaction between the same plant and plant pathogen may have different outcomes. Plant pathogens are known to develop and form new races or strains that can cause damage to plants that remain unaffected by the original form the pathogen.

2. Definitions

Immunity: Not subject to attack or infection by a specified pest or pathogen.

Resistance is the ability of a plant variety to restrict the growth and development of specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure.

Resistance varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure. Two levels of resistance are defined.

High resistance (HR): plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.

Intermediate resistance (IR): plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to High resistant varieties. Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.

Susceptibility is the inability of plant variety to restrict the growth and development of a specified pest or pathogen.