

# Disease Terminology



SOUTH PACIFIC SEEDS

CODE	DISEASE	CROP
Aal	Alternaria Stem Canker	Tomato
Aba	Black Spot	Cabbage, Broccoli, Chinese Cabbage, Cauliflower
Abe	Black Spot	Cabbage, Broccoli, Chinese Cabbage, Cauliflower
Ac	White Blister/White Rust	Baby Broccoli, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage
Ad	Alternaria Leaf Blight	Carrot
Ba	Botrytis Neck Rot	Onion
Bl	Downy Mildew ( <i>Bremia lactucae</i> )	Endive, Lettuce
Bm	Southern Corn Leaf Blight	Sweet Corn
BPYV	Beet Pseudoyellows	Cucumber
Bs	Botrytis Leaf Blight	Onion
Ca	Anthrachnose	Capsicum, Chilli
Cc	Cercospora Leaf Blight	Carrot
Cca	Corynespora Blight and Target Spot	Cucumber
Ccu	Scab and Gummosis	Cucumber
Cd	Anthrachnose	Spinach
CeMV	Celery Mosaic	Celeriac, Celery
Cg	Anthrachnose	Capsicum, Chilli
Cmm	Bacterial Canker	Tomato
CMV	Cucumber Mosaic	Capsicum, Chilli, Cucumber, Pumpkin, Spinach
Co	Anthrachnose	Cucumber, Melon, Rockmelon, Watermelon
Ct	Anthrachnose	Capsicum, Chilli
Cv	Leaf Spot	Spinach
CVYV	Cucumber Vein Yellowing	Cucumber, Melon, Watermelon
CYSDV	Cucurbit Yellow Stunting Disorder	Cucumber, Melon
Dd	Nematodes	Leek & Onion
Ec	Powdery Mildew ( <i>Erysiphe cruciferarum</i> )	Broccoli, Cauliflower, Cabbage, Chinese Cabbage
Eh	Powdery Mildew ( <i>Erysiphe heraclei</i> )	Carrot
Et	Northern Leaf Blight	Sweet Corn
Et	Bacterial Wilt	Cucumber
Foc	Basal Rot	Leek, Onion
Foc	Fusarium Yellows	Broccoli, Cauliflower, Cabbage, Chinese Cabbage
Foc	Fusarium Wilt	Capsicum, Chilli, Squash, Pumpkin
Fol	Fusarium Wilt	Lettuce, Tomato, Squash, Pumpkin
Fom	Fusarium Wilt	Eggplant, Melon, Pumpkin, Squash

Fon	Fusarium Wilt	Watermelon, Squash, Pumpkin
For	Crown & Root Rot	Tomato, Cucumber
For	Root & Stem Rot	Squash, Pumpkin
For	Yellows	Radish
Fsc	Crown & Root Rot	Squash, Pumpkin
Gc	Powdery Mildew ( <i>Golovinomyces cichoracearum</i> )	Cucumber
Hb	Powdery Mildew ( <i>Hyaloperonospora brassicae</i> )	Broccoli, Cauliflower, Cabbage, Chinese Cabbage, Radish
Hp	Downy Mildew ( <i>Hyaloperonospora parasitica</i> )	Rocket
LMV	Lettuce Mosaic	Lettuce
Lt	Powdery Mildew ( <i>Oidiopsis sicula</i> )	Capsicum, Tomato
Ma/Mi/Mj	Nematode (Ma/Mi/Mj)	Tomato, Carrot (Mj/Mi), Capsicum, Chilli, Eggplant (Mi)
Mb	Ring Spot	Broccoli, Cabbage, Cauliflower, Chinese Cabbage
MDMV	Maize Dwarf Mosaic Virus	Sweet Corn
MLBVV	Lettuce Big Vein	Lettuce
MNSV	Melon Necrotic Spot	Melon, Rockmelon
Nr	Lettuce Leaf Aphid	Lettuce
OYVMV	Okra Yellow Vein Mosaic	Okra
Pa	Rust	Leek
Pb	Downy Mildew ( <i>Peronospora Belbahrii</i> )	Basil
Pb	Clubroot	Broccoli, Cabbage, Cauliflower, Chinese Cabbage, Radish, Lettuce
Pc	Bacterial Rot	Lettuce
Pc	Phytophthora Crown & Root Rot	Capsicum, Chilli
Pcu	Downy Mildew ( <i>Pseudoperonospora cubensis</i> )	Cucumber, Melon, Pumpkin, Squash
Pd	Downy Mildew ( <i>Peronospora destructor</i> )	Leek, Onion, Onion Bunching
PepMoV	Pepper Mottle	Capsicum, Chilli
Pe (ex Pfs)	Downy Mildew ( <i>Peronospora effusa</i> )	Spinach
Pf (ex Ff)	Leaf Mould	Tomato
Pn	Powdery Mildew ( <i>Pseudoidium neolycopersici</i> )	Tomato
Pp	Downy Mildew ( <i>Plasmopara petroselini</i> )	Parsley
PRSV	Papaya Ringspot	Cucumber, Melon, Pumpkin, Squash, Squash, Watermelon
Ps	Cavity Spot	Carrot
Ps	Common Rust	Sweet Corn
Ps (ex Pfb)	Powdery Mildew ( <i>Peronospora schachtii</i> )	Table Beet & Swiss Chard
Psa	Bacterial Blight	Table Beet & Swiss Chard
Psl	Angular Leaf Spot	Cucumber
Psp	Halo Blight	Bean
Psp	Bacterial Blight	Garden Pea
Psp	Pseudomonas Leek Blight	Leek & Onion
Pst	Bacterial Speck	Tomato
Pst	Stewart's Wilt	Sweet Corn
PVY	Potato Virus Y	Capsicum, Chilli

Px	Powdery Mildew ( <i>Podosphaera xanthii</i> )	Cucumber, Melon, Pumpkin, Squash, Watermelon
Rs	Bacterial Wilt	Tomato
Rs	Corky Root	Lettuce, Eggplant, Capsicum, Chilli
Sa	Late Blight	Celeriac, Celery
Sbl	Gray Leaf Spot ( <i>Stemphylium botryosum f.sp. lycopersici</i> )	Tomato
Sl	Gray Leaf Spot ( <i>Stemphylium lycopersici</i> )	Tomato
Sp	Septoria Blight	Parsley, Basil
Ss	Gray Leaf Spot ( <i>Stemphylium solani</i> )	Tomato
St (ex Pt)	Pink Root	Leek & Onion
SqMV	Squash Mosaic	Pumpkin, Squash, Melon
TMV	Tobacco Mosaic	Capsicum, Chilli, Tomato
ToMV	Tomato Mosaic	Capsicum, Chilli, Tomato, Eggplant
TSWV	Tomato Spotted Wilt	Capsicum, Chilli Hot, Tomato, Eggplant, Lettuce
TYLCV	Tomato Yellow Leaf Curl	Tomato
Um	Common Smut	Sweet Corn
Va	Verticillium Wilt ( <i>albo-atrum</i> )	Eggplant, Tomato, Table Beet, Swiss Chard, Broccoli, Cauliflower, Cabbage, Chinese Cabbage
Vd	Verticillium Wilt ( <i>dahliae</i> )	Tomato, Table Beet, Swiss Chard, Broccoli, Cauliflower, Cabbage, Chinese Cabbage, Eggplant, Spinach
VI	Verticillium Wilt ( <i>longisporum</i> )	Broccoli, Cauliflower, Cabbage, Chinese Cabbage
WMV	Watermelon Mosaic	Cucumber, Melon, Pumpkin, Squash, Watermelon
Wo (ex Ao)	White Rust	Spinach
Xav (ex Xcv)	Bacterial Spot	Lettuce
Xcc	Black Rot	Broccoli, Cabbage, Cauliflower, Chinese Cabbage
Xhc	Bacterial Leaf Blight	Carrot
Xspp (ex Xcv)	Bacterial Spot	Capsicum, Chilli Hot, Tomato, Lettuce
ZYMV	Zucchini Yellows Mosaic	Cucumber, Melon, Pumpkin, Squash, Watermelon



**SOUTH PACIFIC SEEDS**

# 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 of 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.