

# DISEASE RESISTANCE FOR APPLE VARIETIES

INFORMATION PROVIDED BY PORTLAND NURSERY

Key	
HR- Highly resistant	S-Susceptible
R- Resistant	MS- Moderately susceptible
MR- Moderately resistant	VS- Very susceptible

Variety	Scab	Rust	Mildew	Fireblight (for our friends in eastern OR)	Other
Akane	R	MS	R	VS	
Arkansas Black		R			MR to coddling moth
Braeburn	S		S	S	
Bramley's Seedling	R		R		
Chehalis	HR		MR		
Cox Orange Pippin	S		S		
Criterion	R		R		
Elstar	S		S	S	
Empire	S		R	R	
Enterprise	HR	R	R	R	
Fireside	S	R		S	
Freedom	HR	R	R	HR	
Fuji	MR			S	
Gala	S		MS	S	Sus. to anthractnose
Golden Russet	R		R		
Golden Sentinel	R				
Granny Smith	S		VS		
Gravenstein	S	S	S	S	
Grimes Golden	R	VS	S	R	Sus. to collar rot, graft 2" above ground
Haralson		MR		MR	
Honeycrisp	R			HR	
Jonafree	HR	R	MS	R	

Variety	Scab	Rust	Mildew	Fireblight	Other
Jonagold	S		S		
King					
Liberty	HR	HR	R/MS	HR	
Lodi	R				
McIntosh	S	R			
Melrose	S		MS		Sus. to anthracnose
Mutsu	S		R/S		
Newton	S		S	S	
Northern Spy	S	MS		R	
Pound Sweet	MR		MR		
Prima	HR	R	R	R	
Red Delicious	VS		S	MR	
Roxbury Russet	R		R		
Scarlet Sentinel	R				
Snow Famuse	MR		MR		
Spartan	R	MR	MR	MR	
Spitzenberg	VS		VS	VS	Very sus. to canker
Swiss Gourmet					
Winesap		R		R	
Winter Banana				S	
Wolf River	R	R	R	R	
Yellow Delicious	R	R	R	R	
Yellow Transparent	R			S	

Choosing a disease resistant variety greatly reduces the amount you need to spray. Even though a variety may be resistant to a disease, it does not mean the tree will never contract the disease. In addition, thorough clean up of leaves and other debris will greatly reduce scab and mildew. In the Portland area, the two diseases to be the most aware of are apple scab and mildew. Cedar apple rust and fireblight are less common this side of the Cascades. However, fireblight is found more in eastern Oregon, and is moving west to Hood River.

Some varieties do not have disease resistant information available. As this information becomes known to us, we will include it in our chart.