



## Podocarpus Makii Disorder- DIEBACK

### Brief

**Dieback** is a **symptom** – it refers to the progressive death of twigs, branches, or shoots, typically from the tip inward. It can be caused by many things: drought, root rot, pests, cold damage, or fungal infections. Think of dieback as the result, fungi, bacteria, insects or environmental stress as the causal agent.

Dieback, or *progressive browning* in *Podocarpus macrophyllus* (commonly called *Podocarpus maki* or yew pine) usually results from environmental stress, pest or disease issues, or improper care. Here's how you can correct and manage it:



### Possible Causal Agents

Nutrition	Insecticide	Fungicide	Cultural	Environmental
Nitrogen	Aphids	Erwinia (Fire blight)	Irrigation- Overwatering	Cold Damage
Iron	Scales	Botryosphaeria (Tip blight)	Incorrect Soil pH	Rain- too little or too much
Magnesium	Spider Mites	Phomopsis	Improper Pruning	High winds
Potassium	Black twig borer	Phyllosticta (Needle Blight)	Poor drainage	Sunscauld
Phosphorus	Mealybugs	Fusarium		
Calcium				

### Symptoms

General symptoms of dieback that apply to *Podocarpus* and other plants distributed by parts of the plant that the symptoms appear.

Leaf Symptoms	Branch Symptoms	Trunk Symptoms	Root Symptoms	Other Decline
Yellowing Leaf	Dead or Dying Tips	Peeling or cracked bark	Rotting or darken roots	Slow Growth
Wilting	Brittle or dry twigs	Girdling	Reduced growth	Dieback of stems is spreading
Premature Leaf drop	Cankers or lesions on stems			Struggles to put out leaves and branches
Spotted Leaves				