CARROT DISEASES & other factors affecting carrot packout

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Corky Crown Rot

Streptomyces species
Corky crown rot does not deteriorate in storage. Usually associated with potatoes as previous crops.

Carrot Scab

Streptomyces species
Scab lesions do not deteriorate in storage. Usually associated with potatoes as previous crops.

Tiger Stripe or Ring Rot Disease

Phytophthora species
This disease can develop in the field and sometimes become apparent only after storage or in transit. Usually associated with poor drainage and in ground storage.

Cavity Spot

Pythium sulcatum
The cavities can increase in size in storage. Incidence appears to increase with multiple carrot cropping.

Smooth Crown Rot

Sclerotinia Rot

Sclerotinia sclerotiorum
Rot may spread in storage to the root of the infected carrot, or to adjacent carrots. Wet and warm conditions favour this disease.

Sour Rot

Geotrichum species
This disease can develop in the field and in storage. Associated with poor drainage.

Tip Rot

Tip rot is caused by poor drainage in the field and small cracks that develop on root tips. This usually becomes apparent only during storage.

Black Ring Rot

Violet Root Rot

Rhizoctonia crocorum
Lesions will enlarge and merge as the disease progresses in the field causing large areas of decay. Shallow lesions on carrots at harvest can enlarge and deteriorate in storage. Associated with poor drainage.

Carrot Forking

Rhizoctonia solani
Rot normally considered a problem, as the sclerotia are removed during the washing process. The carrots do not deteriorate in storage. Usually associated with potatoes as previous crops.

Carrots are also rejected due to other non-disease factors

Weather Damage
Crack
Bolters
Insect damage
Splits
Broken
Scaly Skin

Except for the carrots with 'Shadow' and 'Weather Damage' (far left), the non-disease photographs have been reproduced courtesy of Field Fresh Australia.

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