

# Lupin anthracnose biosecurity zone

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**Lupin anthracnose** (*Colletotrichum lupini*) is a fungal disease of lupin plants that can cause complete crop losses in susceptible varieties.

Lupin anthracnose is a **notifiable disease** under the NSW Plant Diseases Act (1924) and is considered an **exotic plant pest** in NSW.

## Lupin anthracnose in NSW

In October 2016 lupin anthracnose was detected for the first time in commercial crops in south eastern NSW. Natural hosts of lupin anthracnose are not established in NSW and as the known infected crops are relatively isolated, successful eradication of the disease may be possible.

NSW DPI currently maintains strict quarantine measures across the state to minimise the risk of spread of the disease in NSW.

## The lupin anthracnose biosecurity zone (LABZ)

The lupin anthracnose biosecurity zone (LABZ) was created under the Plant Diseases Act 1924 in November 2016 and consists of the three Local Government Areas of Cootamundra/ Gundagai, Junee and Coolamon.

Within the LABZ the following conditions apply:

1. Ornamental lupins must not be grown across the zone for two years;
2. Weed (volunteer) lupins must be controlled (destroyed) across the zone for two years;
3. Lupin crops cannot be grown on a property with a boundary within 1 km of a known infected property for two years (all properties affected by this rule have been notified by NSW DPI);



Figure 1 Anthracnose lesions on albus lupin

4. Lupin seed present on a property with a boundary within 1 km of the boundary an infected property must not be planted or kept for planting (all properties affected by this rule have been notified by NSW DPI).

The aim of these conditions is to ensure all existing lupins within the LABZ, including crops, ornamental lupins and volunteer weeds, are to be removed and destroyed within reasonable time to effect eradication of the disease.

## Responsibilities of growers within 1 km of an infected property

Growers with a property boundary within 1 km of a known infected property have been contacted by the NSW DPI and are prohibited from cropping lupins during the two year exclusion period.

The following requirements apply to properties with lupin crops and seed in the 1 km risk area:

- All lupin crops and seed are to be removed by 18 April 2017
- Lupin seed harvested or stored on the property **must not** be planted or sold for planting
- Lupin seed **can** be sold for human consumption and processing

- Lupin seed and stubble **can** be used to feed stock **on** the source property provided that stock fed on lupin seed or stubble are held in an area of the farm where there are no lupins for a period of 36 hours before being moved off the property
- Lupin seed **must not** be moved **off** the source property for stock feed unless processed to prevent germination

### Responsibilities of others

During the two year exclusion period it is the responsibility of all nurseries, residents, councils and businesses within the LABZ to continuously remove any ornamental and weed (volunteer) lupins discovered on their property. These may be disposed of in municipal green waste.

It is the responsibility of the local council to control volunteer lupins on roadsides. The Local Land Services is responsible for controlling volunteer lupins on travelling stock routes.

### Reporting

If you suspect lupin anthracnose is present on a previously unidentified property:

Call the Exotic Plant Pest Hotline on  
**1800 084 881**

Email clear photos with a brief explanation and contact details to  
[biosecurity@dpi.nsw.gov.au](mailto:biosecurity@dpi.nsw.gov.au)

An **exotic plant pest** is a disease causing organism or an invertebrate not present in NSW and which threatens agricultural production, forestry or native and amenity plants.

### More information

For up to date information on the lupin anthracnose response in NSW please visit

[www.dpi.nsw.gov.au/content/biosecurity/plant/lupin-anthracnose](http://www.dpi.nsw.gov.au/content/biosecurity/plant/lupin-anthracnose)

NSW DPI Primefact 1387 – Exotic Pest Alert: Lupin anthracnose

### Acknowledgments

Figure 1 courtesy of Department of Agriculture and Food Western Australia

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