## How to identify each for their successful management

## Don't be confused!

It is important that fleece rot should not be confused with lumpy wool (the latter is also known as mycotic dermatitis or 'dermo'), because there are differences when it comes to the prevention and control of each of them. Both can lead to body flystrike because the damaged skin and fleece:

- attract pregnant female blowflies and encourage them to lay eggs
- provide moisture for eggs to hatch
- provide protein for blowfly larvae to feed on.

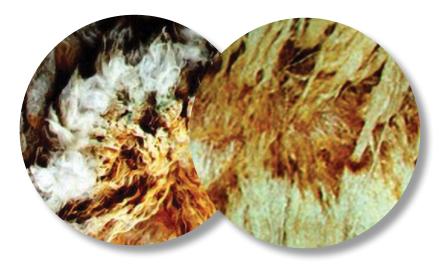
Fleece rot and lumpy wool are both skin diseases of sheep that are mostly likely to occur in high rainfall seasons. In mild cases they can easily be mistaken for each other. This article will help you identify both diseases, and provide you with information on the prevention, control and treatment of each of them.

## **FLEECE ROT**

## **LUMPY WOOL**



Fleece rot infection often results in a staining of the wool and forms flaky or matted bands of wool fibres parallel to the skin. Source: ParaBoss



Lumpy wool tends to form columns of hard lumps along the staple. Left: Lumpy wool infection causes intense skin inflammation and serum exudate at the skin surface. Right: A later stage of lumpy wool that shows clumping of the wool and wool discoloration due to associated infections. Source: NSW DPI (2010) Lumpy Wool – A Skin Disease of Sheep. Primefact 986

	FLEECE ROT	LUMPY WOOL
What is it?	A serous exudate (or watery discharge) from the skin and bacterial (most commonly <i>Pseudomonas</i> aeruginosa) staining of the wool staple.	A disease caused by the bacterium <i>Dermatophilus</i> congolensis which produces a discharge from the skin that     is trapped in the wool staple.
How is it caused?	<ul> <li>Fleece rot develops following prolonged wetting of the fleece and skin (usually 5 to 7 days).</li> <li>Moisture breaks down the protective wax layer on the skin. The skin then leaks a watery discharge encouraging bacterial growth.</li> </ul>	The bacteria are inactive or dormant on the skin when dry but are released from scabs on the skin when wet, multiplying and spreading rapidly, causing a skin discharge.
What does it look like?	<ul> <li>The wool becomes crusted, matted and often discoloured.</li> <li>There is often staining of the fleece in distinct bands of yellow, brown, green, red-orange, pink-violet, blue or grey.</li> <li>Sheep may be irritated and wool can develop a rubbed or 'pulled appearance' where sheep bite to relieve irritation.</li> <li>Fleece rot forms matted bands of wool fibres parallel to the skin.</li> </ul>	<ul> <li>Skin is inflamed and the discharge forms scabs that are generally less than 1 cm in diameter on non-wool areas such as the face and ears.</li> <li>When occurring on wool areas, the fibres in the staple mat together and dry into a scab. In advanced cases, sheep can have hard 'lumps' or plates of scabs across their back.</li> <li>Characteristic 'dermo' forms columns or hard lumps growing from the skin up along the wool staples.</li> </ul>

Seek treatment, control and prevention advice from your vet and follow all label directions and veterinary instructions when applying animal health treatments.