

# BARLEY 2: PHYSICAL DAMAGE

## Pre-germination (light)

Recognised by a swollen and raised germ area. Pre-germinated grains may not malt and hence can reduce malt yield.

Pre-germinated grains can be detected by laboratory testing.



## Lost embryos

Commonly caused by mechanical damage.

No use for malting as grain will not germinate.



## Pre-germination (heavy)

Sprouted grains with visible rootlets will not malt and hence will reduce malt yield.



## Discoloured grain

Dull looking, weathered grains indicate poor harvest conditions and may lead to quality problems.

Dullness can be due to spores or moulds.



**When inspecting grain note any unusual smells. A sweet or minty smell indicates mites; musty and fishy smells indicate moulds; chemical smells, eg cleaning fluids and diesel can also occur. If the grain is visibly mouldy or dusty, do not smell it. Moulds and grain dust can be harmful and cause respiratory problems.**



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