

Monodon Slow Growth Syndrome (MSGS)

Disease agent: Not fully known, but involves detection of Laem-Singh Virus (LSNV) in unusually slow growing prawns.



Presence in Australia: **Exotic**

Presence in Queensland: **Exotic**



Monodon Slow Growth Syndrome is exotic to Australia and has not been recorded in any State.

Signs of Disease:

Crustaceans infected with this virus may exhibit the following signs:

- abnormally slow growth and unusually dark colouration of carapace with brittle antennae
- bamboo shaped abdominal segments with unusually bright yellow markings



Monodon Slow Growth Syndromes (MSGS): Left. Black tiger prawn with MSGS showing unusually dark colouration and bamboo shaped, deformed abdominal segments. Middle and Right. Black tiger prawn with MSGS showing darkened hepatopancreas and unusually bright yellow markings on carapace.

Photos: Don Lightner

Host Species affected may include:

Black tiger prawns

Imported seafood including:

Uncooked Black tiger prawns

At risk fisheries in QLD may include:

East Coast Otter Trawl Fishery
River and Inshore Beam Trawl Fishery

Introduction Pathways to avoid:

Do not use imported seafood (particularly imported uncooked prawns) for bait or berley.

Basic decontamination information:

There is no published information on inactivation of this disease agent. Likely treatments will nevertheless include dessication (drying out), and temperatures above 100°C for over 1 minute.

What to do if this disease is suspected:

If you suspect this disease is present please contact the Department of Agriculture and Fisheries (13 25 23) or the National 24 hr Emergency Animal Disease Hotline (1800 675 888) immediately.

How to collect and store samples for diagnosis:

If you are taking samples to help authorities to test for this disease, whole crustaceans should be provided alive (if possible) or chilled and on ice, or frozen.

Learn more

For more information about MSGS and other diseases of aquatic animals of significance to Australia, download the **Aquatic Disease Field Guide App** available for iOS, android and windows devices at these locations:

IOS

<https://goo.gl/9UJNp9>

ANDROID

<https://goo.gl/T4Tn1X>

WINDOWS

<https://goo.gl/Y8Vibi>

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