



Australian Government
**Australian Pesticides and
Veterinary Medicines Authority**

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR DECONTAMINATION AND CONTROL OF PATHOGENS IN OYSTER
EQUIPMENT**

PERMIT NUMBER – PER82160

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows the Permit Holder and any person stipulated below to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 5 FEBRUARY 2016 TO 28 FEBRUARY 2026

Permit Holder:

NSW DEPARTMENT OF PRIMARY INDUSTRIES
105 Prince Street
ORANGE NSW 2800

Persons who can use the product under this permit:

All persons within the oyster industry areas of NSW, SA, WA and TAS, in accordance with the attached protocol and ensuring compliance with State Legislation under the Fisheries Management Act 1994 (NSW) or Biosecurity Act 2015 (NSW) or Fisheries Management Act 2007 (SA) or Fish Resources Management Act 1994 (WA) Biosecurity and Agriculture Management Act 2007 (WA) and Animal Health Act 1995 (TAS).

CONDITIONS OF USE

Products to be used:

AGRI DYNE IODINE-BASED DISINFECTANT (APVMA No. 61947)

PLUS OTHER REGISTERED PRODUCTS

Containing: 16 g/L IODINE as the only active constituent.

SOLO PLUS HEAVY DUTY ALKALINE DETERGENT (APVMA No. 53413)

PLUS OTHER REGISTERED PRODUCTS

Containing: 390 g/L SODIUM HYDROXIDE as the only active constituent.

DETSAN DETERGENT-SANITISER (APVMA No. 61657)

PLUS OTHER REGISTERED PRODUCTS

Containing: 25 g/L QUATERNARY AMMONIUM COMPOUND as the only active constituent.

VIRKON S THE BROAD SPECTRUM VIRUCIDAL BACTERICIDAL FUNGICIDAL DISINFECTANT (APVMA No. 48185)

PLUS OTHER REGISTERED PRODUCTS

Containing: 494 g/kg POTASSIUM PEROXOMONOSULPHATE TRIPLE SALT
132 g/kg SODIUM DODECYL BENZENE SULFONATE, and
15 g/kg SODIUM CHLORIDE as the only active constituents.

Directions for Use:

Situation	Purpose	Rate
Oyster cultivation equipment where determined appropriate by a Fisheries Inspector/ Qualified Inspector under the Fisheries Management Act 1994 (NSW), Biosecurity Act 2015 (NSW), Fisheries Management Act 2007 (SA) and Fish Resources Management Act 1994 (WA), Biosecurity and Agriculture Management Act 2007 (WA). Animal Health Act 1995 (TAS)	Decontamination of equipment for control of Pacific Oyster Mortality Syndrome (POMS).	<p><u>AGRI DYNE</u> (equivalent to 0.1% iodine in solution) 62.5 mL/L or 312.5 mL/5L water Wet for 5 minutes.</p> <p><u>SOLO PLUS</u> (equivalent to 2% NaOH in solution) 50 mL/L or 255 mL/5L Wet for 10 minutes.</p> <p><u>DETSAN</u> (equivalent to 0.2% Quaternary Ammonium in solution) 80mL/L or 400mL/5L Wet for 10 minutes.</p> <p><u>VIRKON S</u> (equivalent to 1% virkon in solution) 10mL/L or 50mL/5L for 15 minutes.</p>

Critical Use Comments:

- This permit must be read in conjunction with and adhere to the Pacific Oyster Movement Protocol (POMS) information listed in **Attachment 1**.

- Follow safety, storage and disposal directions on this permit, or otherwise on the product label when handling these chemicals.
- Wash down infected or potentially infected items thoroughly.
- Apply dipping/washing treatment in well ventilated areas only.
- Minimise the amount of dirt and organic material adhering to equipment by cleaning prior to washing.
- DO NOT use on personal items that come into direct or indirect contact with the skin (e.g. inside footwear).
- Use suitable sized non-porous container in which to dip/wash the equipment in. Use plastic container with Sodium Hydroxide
- DO NOT contaminate wetlands or watercourses with disinfectant or used containers. Decontamination procedures should be carried out away from the water's edge to prevent disinfectant from entering the marine environment. Care should be taken to ensure that waste water is not discharged into the waterway.

Agri Dyne

- Remove loose soil then scrub equipment, houses, plant etc., with a standard solution.
- Safety Directions: Will irritate skin and eyes. Avoid contact with skin and eyes. When preparing the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), chemical resistant gloves and face shield or goggles. When using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.
- First Aid Instructions: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

Solo Plus

- Safety Directions: Poisonous if swallowed. Strongly alkaline. Corrosive. Attacks skin and eyes. Avoid contact with eyes and skin. When opening the container, preparing product for use and using product wear chemical resistant clothing or cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, chemical resistant apron, elbow-length chemical resistant gloves, face shield or goggles and impervious footwear. Wash hands after use. After each day's use, wash gloves, face shield or goggles, apron, footwear and contaminated clothing.
- First Aid Instructions: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
- Precaution: Do not mix with hot water.

Detsan

- DO NOT mix with detergents or other chemicals.
- Safety Directions: Will irritate the eyes and may irritate skin. Avoid contact with eyes and skin. When preparing and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), chemical resistant gloves and safety glasses. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, safety glasses and contaminated clothing.

- First Aid Instructions: First aid is not generally required. If in doubt, contact a Poisons Information Centre. Phone Australia 13 11 26 or a doctor.

Jurisdiction:

NSW, SA, TAS and WA only.

Additional Conditions:

This permit allows for the use of a product in a manner specified on the permit. Persons who wish to prepare for use and/or use products for the purposes specified in this permit must read, or have read to them, the details and conditions of this permit. Unless otherwise stated, the use of the product must be in accordance with the product label.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 12/02/2021 – Permit updated to include additional conditions for user and environmental safety, and to update Attachment 1. Permit expiry extended to 28/02/2026. Permit issued as Version 2.



Pacific Oyster Mortality Syndrome Movement Protocol

April 2016, Primefact 1287, fourth edition
Biosecurity & Food Safety NSW

Pacific Oyster Mortality Syndrome

Pacific Oyster Mortality Syndrome (POMS) is a disease which affects wild and farmed Pacific Oysters and is caused by a virus. POMS does not affect native Sydney Rock, Flat or Akoya Pearl Oysters. NSW Health has advised there is no known risk to human health from POMS.

POMS was first detected in NSW in Georges River/Botany Bay and Port Jackson/Sydney Harbour in late 2010, early 2011. In January 2013, an outbreak of POMS in the Hawkesbury River caused significant farmed stock losses throughout the estuary. In February 2013 evidence of the virus was detected in wild Pacific Oysters in Brisbane Water.

POMS has been confirmed in the Georges River and Hawkesbury River each year since the initial detections, with observed mortality generally beginning in November.

Figure 1 - Wild Pacific Oyster (Photo: DPI)



Movement restrictions

To prevent the spread of POMS, the Department of Primary Industries (DPI) has put in place strict controls on the movement of oysters and oyster farming equipment from the Georges River, Hawkesbury River and Brisbane Water.

Protocol for movement of oyster equipment and infrastructure

Under the movement controls oyster cultivation equipment and infrastructure can only be moved from POMS affected estuaries to an unaffected estuary in accordance with the following approved protocol.

Oyster cultivation equipment and infrastructure includes: trays, baskets, catching materials, post and rail, cables, floats.

The following five steps must be followed for all oyster cultivation equipment and infrastructure that is to be relocated from quarantine areas to another estuary.

1. Clean the equipment/infrastructure thoroughly to remove all oysters, overcatch and other organic material, e.g. via manual scraping and scratching and/or high pressure cleaner. All waste removed from equipment must be disposed into general landfill and waste-water must not return to any waterway.

AND

- 2A. Decontaminate by moist heat treatment at a minimum temperature of 50°C for a minimum duration of 5 minutes (duration to be timed from the point at which every area of the treated equipment reaches a minimum temperature of 50°C) OR
- 2B. Decontaminate with Virkon® (Virkon®S or Virkon® Aquatic), Iodine, Sodium Hydroxide or

Quaternary Ammonium Compound by dipping or washing in a suitable sized non-porous container (Note: use plastic container for Sodium Hydroxide) as per the permit instructions. Equipment should be rinsed clean after decontamination.

For further information on the use of Virkon®, Iodine, Sodium Hydroxide and Quaternary Ammonium Compound see "Additional use information".

THEN

3. The person relocating the equipment / infrastructure must enter this information into the Oyster Shipment Logbook System as per normal reporting requirements. In addition, the following declaration must be signed and dated by the Aquaculture Permit Holder relocating the equipment / infrastructure:

'All equipment/infrastructure has been thoroughly cleaned, all overcatch and biological material removed, then decontaminated in accordance with the protocol: *Minimising Disease Risks When Relocating Oyster Cultivation Equipment & Infrastructure From POMS-Affected Estuaries*;

AND

4. The completed Oyster Shipment Logbook form and declaration must be submitted to the NSW DPI Ourimbah Fisheries office or the San Souci Fisheries office at least 72 hours prior to the proposed movement;

AND

5. A copy of the completed logbook form must accompany the shipment at all times.

Oysters and equipment may continue to be moved between affected estuaries (Georges River, Hawkesbury River, and Brisbane Water) without restriction, noting that movements into Brisbane Water are also subject to QX Disease restrictions.

For growers located outside of NSW, please contact your relevant state agency for further information.

Additional use information

All disinfectants must be:

- Used in accordance with all the directions and conditions detailed in the [Australian](#)

Pesticides and Veterinary Medicines Authority (APVMA) permit PER82160

- Freshly prepared prior to each use
- Applied only in well ventilated spaces, and
- Must not be used on items that directly or indirectly contact skin (e.g. inside boots)
- Agri Dyne (iodine disinfectant) – remove loose soil then scrub equipment, hoses, plant etc. with a standard solution
- Detsan (quaternary ammonium compound) – DO NOT mix with detergents or other chemicals.

The APVMA permit allows use of registered disinfectant products containing:

- 494g/kg Potassium Peroxomonosulphate Triple Salt, 132g/kg Sodium Dodecyl Benzene Sulphonate, 15g/kg Sodium Chloride,
- 16g/L available Iodine,
- 390g/L Sodium Hydroxide, OR
- 25g/L Quaternary Ammonium Compound

as their only active constituents. The solutions should be mixed according to APVMA and manufacturer's directions.

Safety: Users must follow all of the safety, storage and disposal precautions in APVMA PER82160 and refer to the Material Safety Data Sheets for instructions regarding the safe use of these chemicals.

More Information

NSW DPI webpages:

- [Pacific Oyster Mortality Syndrome \(POMS\) current situation](#)
- [Pacific Oyster Mortality Syndrome \(POMS\)](#)
- [Primefacts and other factsheets](#)

APVMA webpages:

- [Permits](#)

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Disclaimer: The information contained in this publication is based on knowledge and understanding at the time of writing (April 2016). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check currency of the information with the appropriate officer of the Department of Primary Industries or the user's independent advisor.

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