PRODUCT: **ORANGE OIL** Water Surface Clearer

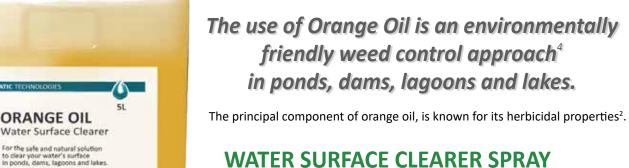
TARGET: All types of Free-Floating Aquatic Matter in PONDS, DAMS, LAGOONS & LAKES





Lemna/Duckweed Salvinia

Green Azolla/Red Azolla



WATER SURFACE CLEARER SPRAY

- Suitable for the control of salvinia, azolla and duckweed1
- Clears the water's surface of unwanted aquatic matter
- More environmentally friendly than synthetic herbicides³
- Australian Made & Owned
- Non-toxic to humans and domestic animals³

How it works

When the orange oil covers the surface of the leaves, it disrupts the cuticle, breaking down or dissolving the waxy coating on plant cell walls.

It also contributes to the desiccation or burndown of young tissues⁶. This results in the plant losing its ability to retain water³. The damaged leaf cells leak water and the plants die of dehydration⁸.



Swimming, Irrigation, Stock, Fish, Aquatic Plants, Pets, Wildlife, The Environment & is a Natural product.





Re-Order Online: WWW.AQUATICTECHNOLOGIES.COM.AU Orange oil has been used for the successful control of primary form salvinia¹

The NSW Department of Primary Industries (DPI) has listed orange oil as a method to control salvinia1.

HOW CAN I CONTROL FREE-FLOATING AQUATIC **MATTER ON MY WATER'S SURFACE?**

Free-floating aquatic matter can be hard to get rid of. Depending on how serious your coverage of aquatic surface matter is, the recommended treatment will vary.

When the amount of aquatic matter is not great, it's best to use just this spray treatment. For larger coverage that covers more than 90% of the water's surface, a combination of physical removal and this spray treatment is your best bet.

Our lightweight Aquatic Weed & Debris Skimmer for Duckweed, Lemna, Azolla and Salvinia works perfectly in conjunction with this spray treatment for larger coverage problems.



AQUATIC

The Aquatic Weed Control Experts

ORANGE OIL Water Surface Clearer

Application Rates:

Where to Use	How Much to Use	How to Apply	When To Use
Dams, Reservoirs and Ponds	1L per 500m ² of water surface area.	Mix 1-part product with up to 100 parts water and spray using a back pack sprayer directly onto the water's surface.	Best to apply several light applications rather than one heavy application.

For Best Results:

Apply lightly and evenly across the water's surface. For best results, apply full applications on day 1, 2 and 4.

*Always read the product label for directions.

When orange oil herbicides were applied to vegetation, "most vegetation showed visible signs of stress (wilting or browning) within 2-24 hours"3. Orange oil binds to proteins at different sites than synthetic herbicides. This allows elimination of herbicide resistant weeds^{6[7]}. Non-persistent, which means it decomposes rapidly, preventing the accumulation of compounds in soil and its subsequent influence on non-target organisms⁵.

SUITABLE FOR

Large Pond Small Dam Large Dam



50m² - 2.000m²



Lagoon

[1] NSW DPJ, Salvinia Control Manual, Orange, NSW: NSW Department of Primary Industries, 2006. [2] R. Ciriminna, F. Meneguzzo and M. Pagliaro, "Orange Oil," in Green pesticides handbook: Essential oils for pest control, Taylor Francis Group, 2017, pp. 291-301. [3] O. Messerschmidt, J. Jankauskas and f. Smith, "Limonene-containing herbicide compositions, herbicide concentrate formulations and methods for making and using same". United States of America Patent US, 8,273,687 B2, 25 September 2012. [4] M. S. Gomes, M. d. G. Cardoso, M. J. Soares, L. R. Batista, S. M. Machodo, M. Andrado, C. de Azrecdo, J. M. Valerio Resende and L. Rodrigues, "Use of Essential Oils of the Genus Citrus as Biocidal Agents," American Journal of Plant Science, vol. 5, pp. 299-305, 2014. R. Ribeiro and M. Lima, "Allelopathic effects of orange (Citrus sinensis L.) peel essential oil;" vol. 26, no. 1, pp. 256-259, 2012. [6] D. Soltys, U. Krasuska, R. Bogatek and A. Gniazdowska, "Allelopathic effects of orange (Citrus sinensis L.) peel essential oil;" vol. 26, no. 1, pp. 256-259, 2012. [6] D. Soltys, U. Krasuska, R. Bogatek and A. Gniazdowska, "Allelopathic effects of orange (Citrus sinensis L.) peel essential oil;" vol. 26, no. 1, pp. 256-259, 2012. [6] D. Soltys, U. Krasuska, R. Bogatek and A. Gniazdowska, "Allelopathic effects of orange (Citrus sinensis L.) peel essential oil;" vol. 26, no. 1, pp. 256-259, 2012. [6] D. Soltys, U. Krasuska, R. Bogatek and A. Gniazdowska, "Allelopathic effects of orange (Citrus sinensis L.) peel essential oil;" vol. 26, no. 1, pp. 256-259, 2012. [6] D. Soltys, U. Krasuska, R. Bogatek and A. Gniazdowska, "Allelopathic effects of orange (Citrus sinensis L.) peel essential oil;" vol. 26, no. 1, pp. 256-259, 2012. [6] D. Soltys, U. Krasuska, R. Bogatek and A. Gniazdowska, "Allelopathic effects of orange (Citrus sinensis L.) peel essential oil;" vol. 26, no. 1, pp. 256-259, 2012. [6] D. Soltys, U. Krasuska, R. Bogatek and A. Gniazdowska, "Allelopathic effects of orange (Citrus sinensis L.) peel essential oil;"



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