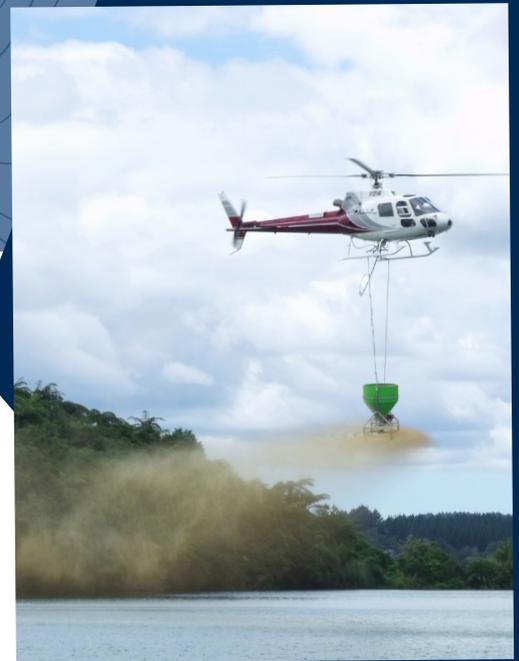




Blue Pacific **MINERALS**



AQUAL-P

SURFACE MODIFIED ZEOLITE

Aqual-P is the environmentally safe product used to combat nutrient-based algal bloom in residential and municipal water courses, or catchments.

PRODUCT DESCRIPTION

A powdered product, Aqual P, has proven to be a natural weapon in the battle against nutrient-based algal bloom. Aqual P, has been used in New Zealand in the Central North Island lakes, including Rotorua's Lake Okaro.

The mineral effectively "caps" the lake bed, trapping phosphorous released from the sediment when the deeper water layers lose their oxygen. This stops nutrient levels in the water rising to the point where blue-green algae bloom can turn the lake into a thick algal soup.

The problem of phosphate contamination from intensive farming, poor water treatment in highly populated areas and the growing demand for clean drinking water is worldwide. Aqual-P is a tool specifically designed to address this issue.

APPLICATION

Aqual-P is made in powdered form and can be spread below the lake surface or alternatively from a barge or slurring via heli-spread.

BPM have the worldwide marketing and manufacturing license to Aqual-P.

healthy water ~ healthy living
aqual-P[™]

FEATURES

- ◆ World leading, environmentally safe technology
- ◆ Scavenges phosphate from water and locks it up
- ◆ Can be used to remediate large lake bodies
- ◆ Can be used effectively in decorative lakes or small ponds

Visit www.bpmnz.co.nz
for more information.

**AQUAL-P FORMS AN ACTIVE
CAPPING LAYER TO BIND AND BLOCK
THE RELEASE OF PHOSPHATE**

WHAT CAN YOU EXPECT?

Treating water using environmentally safe Aqual P, will show a marked decrease in the levels of measured dissolved reactive phosphate along with improved clarity associated with a decline in algae.



DOSE RATE

This depends greatly on the location and water quality. A typical application rate would be 150-200gm/m² of pond / lake area. Our chemist can provide advice and recommendation.

WHAT IT DOES

Aqual P™ binds phosphate; ammonia is also picked up by cation exchange from the water column on dispersion. Aqual-P then settles on the sediment layer where it will form an active capping layer to bind and block the release of phosphate in the form of dissolved reactive phosphorous.

As a highly absorptive product Aqual P™ can absorb up to 25gm of phosphate per kilogram of product.

WHY IT IS SAFE

NIWA (National Institute of Water and Atmospheric Research in New Zealand) has verified that the surface modification of the zeolite is such that there is minimal leaching of the aluminum active; and the phosphate that is absorbed irreversibly. Aqual P™ is only toxic to algae and that is by removing their food source – phosphate.

PH RANGE

Aqual P™ is effective across a pH range of 5 - 8.5.

HOW YOU DOSE IT - SLURRY, PUMP, DISPERSE, GPS

Dosing is best achieved by mixing the Aqual P™ with lake water (1:1 weight:volume) then inject the slurry through spreader nozzles 2-3 metres below the lake surface from a barge. An alternate would be to boom spray above the water or slurrying via heli-spread. Note GPS positioning system should be used to ensure even coverage with a path of decreasing circuits around the water body.

HOW YOU BUY IT

Available in 500kg bulk bags currently with future potential 20/25kg multi walled paper bags.



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