



# AQUAFIX Inc.

Innovations in  
wastewater treatment.

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## TECHNICAL UPDATE

## DUCKWEED COMPLETE: A BETTER TREATMENT

**Duckweed and Watermeal** grow at a relentless rate in wastewater lagoons, ponds and oxidation ditches where nutrient levels are high. Controlling duckweed in a wastewater operation is best with the one-two punch of Duckweed Complete: FLUMIGARD®\* and PondZilla Pro. FLUMIGARD® is a USEPA registered aquatic herbicide and PondZilla is a biocatalyst which aids in penetration of duckweed's waxy cuticle and speeds degradation of dead plant material, so it does not contribute to excess sludge on the bottom.



### The Combination of FLUMIGARD® Aquatic Herbicide and PondZilla Pro:



- Provides treatment of Duckweed and Watermeal. FLUMIGARD® also kills filamentous algae and aquatic weeds.
- Kills and degrades dead plant material so it does not contribute to sludge.

### Uptake of Nitrogen and Phosphorous

Dead plant material releases key nutrients, like nitrogen and phosphorus. PondZilla Pro energizes the natural bacteria to clean up and recycle dead organics. With this boost the natural bacteria uptake more nitrogen and phosphate.

FLUMIGARD® does not bioaccumulate in the sludge and it breaks down fast.



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### DOSE RATES

Lagoon Size	Surface Application	Subsurface Application
¼ Acre * (spot treatments)	4 oz FLUMIGARD® / 1 quart PondZilla Pro per 5 gallon	1 lb FLUMIGARD® / 1 gallon PondZilla Pro per 5 gallon
1 acre	1 lb FLUMIGARD® / 1 gallon PondZilla Pro	4 lb of FLUMIGARD® / 4 gallons PondZilla Pro
4 acres	4 lb FLUMIGARD® / 4 gallons of PondZilla Pro	16 lb of FLUMIGARD® / 16 gallons of PondZilla Pro

\* For 1-4 acre treatments blend Duckweed Complete in a 30 to 50 gallon agricultural sprayer

#### Important Notes when using FLUMIGARD®

- FLUMIGARD® is a contact herbicide. It must be applied to vegetation immediately after mixing. Treating early in the morning will provide better results.
- For floating weeds treatment can take 1-3 applications depending on the coverage of your spray during applications.
- Apply according to label instructions, wear proper PPE.

\* FLUMIGARD® is a Trademark of Valent USA corporation.