



AQUAFIX Inc.

Innovations in
wastewater treatment.

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TECHNICAL UPDATE

Aquabac Xt – for Wastewater

Recommended Dosage:

Flow Rate – Gallons per day	Super Dose Twice a week for 1-2 weeks	Initial Dose Twice a week for 2 weeks	Maintenance Dose Once per week for 2 months
10 TGD	0.5pt / 8oz	4oz	2oz
50 TGD	1qt / 2pt	1pt	8oz
100 TGD	0.5gal	1qt.	1pt.
200 TGD	1gal	2qt.	2pt.
300 TGD	1.5gal	3qt.	3pt.
400 TGD	2gal	4qt.	4pt.
500 TGD	2.5gal	5qt.	5pt.
600 TGD	3gal	6qt.	6pt.
700 TGD	3.5gal	7qt.	7pt.
800 TGD	4gal	8qt.	8pt.
900 TGD	4.5gal	9qt.	9pt.
1 MGD	5gal	10qt.	10pt.

Aquabac Xt in Lagoons – Applied behind the boat		
Size	Initial Dose Once a week for 4 weeks	Maintenance Dose Once a week for 2 months
1 Acres	2.5 gal	1 gal
4 Acres	10 gal	4 gal
8 Acres	20 gal	8 gal
If they have a lot of sludge, we urge they do sludge reduction to expose the worms		

***Note:** Pour in all at once. Do NOT drip in. The midge worms multiply too fast for a drip dosing.

Tips for getting the best use of Aquabac Xt:

1. Scrub midge flies and red worms off the all basin and clarifier walls before treating. This will allow Aquabac Xt to get at them.
2. Bleaching your return lines at 5% (2 gal per 100,000 gal of water) helps dislodge and make them susceptible to Aquabac Xt.
3. For midge flies in a sand filter, feed Aquabac Xt prior to sand filter. If the filters have a grease buildup clean them with use 1 pt. **Qwik-Zyme L** per 10,000 gal of backwash. This will degrade the grease that the red worms are protecting themselves in.
4. Aquabac Xt can be metered in or poured in the plant all at once. For the initial dose feed half the recommended dose in the head of the plant and half in the clarifier. Example—for a 1 qt recommended dose, pour 1 pt in the headwork's and 1 pt in the clarifier.
5. We recommend wearing protective gloves and eyewear when handling Aquabac Xt.
6. If your plant gets a lot of incoming grease, feed our **VitaStim Grease** to clean the wet well and walls so the Aquabac Xt penetrates into the red worm. Our **Bug On A Rope** is a great product for the same effect in lift stations and wet wells.
7. If you have a plant that has bar screens or poor grit removal and you get a lot of grease, paper, waxes, and oils then feed in our **BugJuice** at 1 pt per 100,000 gal at the head of the plant. **BugJuice** will break down the unwanted "grit" that the worms burrow into.
8. For a wastewater lagoon or pond system Aquabac Xt can be fed into the wet well before the pond or added into the prop wash behind a boat. **VitaStim Sludge Reducer** is often used to reduce sludge and expose the worms.
9. Adding one of our other products will reduce the use of Aquabac Xt and solve other issues in your plant.

When does Aquabac Xt not work?

1. When the bottom of the plant has sand or gravel. The red worms hide in the gravel and are impossible to get.
2. When there is untreated grease, papers, or other substances coming in that they will use to protect themselves.

Will Aquabac Xt harm the effluent?

1. If your plant runs a whole effluent toxicity test AquaBac Xt will not affect this testing.
2. If you kill too many worms at once the TSS can start to go up. To rebuild the MLSS fast use **VitaStim Low F:M**

AquaBac Xt Companion Products



A. -C.



D.



E.



F.

A. VitaStim Low F:M was developed to help plants with low incoming food. This bioaugmentation product uses bacteria that floc well in low food conditions. In addition, it contains select micronutrients that act as steroids for the existing bacterial cultures.

30 lb. Pail.....\$14.77/lb.
Available in 1# or ½# water-soluble packets

B. VitaStim Grease contains bacterial cultures that are very productive in aerobic environments, along with key bio-vitamins and bio-stimulants and is excellent for chewing up high levels of grease and fatty acids. It will control foaming, decrease sludge production, and reduce grease and filaments.

30 lb. Pail..... \$16.41/lb.
Available in 1# or ½# water-soluble packets

C. VitaStim Sludge Reducer was formulated for lagoon and pond systems as an easy way to remove 30-60% of the sludge lagoons. One customer went from 24" of sludge in a 40 acre lagoon system to just 6" of sludge. Save on dredging and limit floating organic matter while lowering ammonia.

30 lb. Pail..... \$15.25/lb.
Available in 1# or ½# water-soluble packets

D. Qwik-Zyme L works fast!! This high-strength catalyst reacts quickly to degrade FOG into its elemental form, allowing the bacteria to consume it. QwikZyme L is an excellent product for sequencing batch reactors (SBR), wastewater treatment plants, equalization tanks, and lift stations.

5 gallon \$36.50/gal
55 gallon \$29.54/gal

E. Bug On A Rope is for wastewater operators looking for something that is economical and yet still effective at controlling grease. It contains seven strains of grease-eating bacteria, a biostimulant base that allows for aggressive degradation of fats, oil and grease, and fat and protein degrading enzymes.

8# brick\$160.00
Case of 4 bricks\$560.00
 *Each brick of comes with 3 feet of rope

F. Bug Juice is a new technology for aerobic digestors and sludge storage tanks that cuts hauling by 30% - 50%, saving you tens of thousands of dollars. Bug Juice reduces sludge, increases percent solids, improves settling, reduces foaming, and saves precious financial resources.

5 Gallon.....\$70.00/gal
55 Gallon.....\$64.00/gal