



AQUAFIX Inc.

*Innovations in
wastewater treatment.*

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TECHNICAL UPDATE

Aquabac XT- Wastewater Plant Dosing

| 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 |
|------------------------------|---|---|---|
| 10,000 GPD | 0.5pt or 8oz | 4oz | 2oz |
| 50,000 GPD | 1qt or 2pt | 1pt | 8oz |
| 100,000 GPD | 0.5gal | 1qt. | 1pt. |
| 200,000 GPD | 1gal | 2qt. | 2pt. |
| 300,000 GPD | 1.5gal | 3qt. | 3pt. |
| 400,000 GPD | 2gal | 4qt. | 4pt. |
| 500,000 GPD | 2.5gal | 5qt. | 5pt. |
| 600,000 GPD | 3gal | 6qt. | 6pt. |
| 700,000 GPD | 3.5gal | 7qt. | 7pt. |
| 800,000 GPD | 4gal | 8qt. | 8pt. |
| 900,000 GPD | 4.5gal | 9qt. | 9pt. |
| 1,000,000 GPD | 5gal | 10qt. | 10pt. |

Add the required dose in one slug, no need to meter in. The dose is added where the worms are the worst, typically the secondary clarifiers. If the worms are bad in other areas, split the dose up and add to the other areas as well.

Extra Tip: If midge worms are sticking around, apply a low dose of 5% bleach in the return lines before applying AQUABACxt. Dose 2 gallon per 100,000 gallons of water in the return lines.

Aquabac XT- Wastewater Lagoon Dosing

| Lagoon 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 |



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BUGJUICE- WITH AQUABAC XT

Bug Juice is Aquabac XT's best friend. Bug Juice helps degrade the cocoons redworms like to build around themselves, exposing more redworms to the Aquabac XT Treatment.

What are Redworm Cocoons?

When redworms establish themselves in a wastewater treatment plant, they like to build cocoons to protect themselves from the elements. This cocoon is made of bits of organics, and in a wastewater plant this consists of insoluble BOD like paper fragments, waxes and sludge on basin walls. You might see these cocoons on the walls of your clarifiers.

Bug Juice Benefits:

Bug Juice is a catalyst that degrades cocoons, exposing more of the worms to the Aquabac XT treatment. When used alone, we typically see Aquabac XT kill 70 to 90 percent of the redworm population, and dramatically decrease midge fly activity. By adding Bug Juice to the treatment, we can typically improve the kill to 100 percent, or very near 100 percent.



How Use:

We recommend adding Bug Juice at the start of any new Aquabac XT treatment. Typically for the first 20 to 40 days, depending upon the severity. After this initial treatment an annual or biannual 20 day treatment is helpful for restoring the benefits.

BUG JUICE DOSE RATE

| Treatment Plant Flow Rate | Dose- Add Daily at the head of treatment plant |
|---------------------------|--|
| 100,000 GPD | 1 pt |
| 200,000 GPD | 2 pt |
| 300,000 GPD | 3 pt |
| 400,000 GPD | 4 pt |
| 500,000 GPD | 5 pt |
| 600,000 GPD | 6 pt |
| 700,000 GPD | 7 pt |
| 800,000 GPD | 8 pt |
| 900,000 GPD | 9 pt |
| 1,000,000 GPD | 10 pt |