# Qwik-Zyme P

**Biocatalysts Speeding Digestion of Complex Proteins** 



Qwik-Zyme P is a biocatalyst (not a bacterial product) that accelerates the breakdown of complex proteins. Proteins are the building block of biological life, and they can often be difficult or slow to digest in wastewater treatment. Examples of these proteins include egg processing, meat packing, dairy waste, and even plant-based proteins.

Qwik-Zyme P applications include anaerobic digesters, anaerobic lagoons, aerobic activated sludge plants, and aerated lagoons. It helps improve BOD and nutrient removal when detention time is not adequate to fully digest proteins.

## Works With Existing Bacterial Population

## Versatile For Use in Both Aerobic or Anaerobic Applications

#### Figure 1:

Effect of Qwik-Zyme P on bacterial degradation of whey protein isolate



Left: Protein digestion accelerates in the presence of Qwik-Zyme P



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#### Aerobic or Anaerobic Wastewater Treatments

Flow Rate Gallons per day	Initial Dose Per day for 30 days	Maintenance Dose per day for 30 days
10,000 GPD	4 oz	2 oz
100,000 GPD	1 qt	1 pt
500,000 GPD	5 qt	2.5 qt
1 MGD	2.5 gal	5 qt

#### **Available Sizes:**

#### **Qwik-Zyme P Dosing:**

- 5 gal case
- 55 gal drum
- 275 gal tote

- Add daily to WWTP headworks, or directly to aeration basin
- Can be metered in
- Best results when pH is below 8

### Notes:

