

Why Is Our Product Effective in Wastewater Treatment?

Microbes	Additive Feature	Mechanism	Mechanism Outcome	Results
Feeds	Highly nutritious	Contains full range of nutrients (oligosaccharides and trace elements , of particular use to microbes)	<ul style="list-style-type: none"> •Microbes are more robust = increased microbial proliferation in each WWT stage = more workers •Better efficiencies in both aerobic & anaerobic processes 	<ul style="list-style-type: none"> •Complete digestion of organic content = 20 -40% less sludge (depending on organic content) •Less O₂ usage •BOD, TSS reduction •Increased plant capacities
Feeds	Bio-available, organic nutrition	Naturally-occurring, colloidal , chelated = bio-available	-Same as above -	-Same as above -
Protects	Contains alginates	Physical gel-like barrier for microbial coagulation and protection from toxins	Microbes are protected = less toxicity = less microbial inhibition/die-off = microbes are more robust = more proliferation in each WWT stage = more workers.	-Same as above -
Protects	Negatively charged (bio-chemically)	Biological ion-exchange	<ul style="list-style-type: none"> •Immediate bio-chemical H₂S & NH₃ reduction; •Reduction of Phosphorous/Nitrates; •Sequesters heavy metals, reduces other chemical compounds = less toxicity = less microbial inhibition/die-off = microbes are more robust = more workers. 	<ul style="list-style-type: none"> •Derivation of phosphorous, nitrates and metals nutrient source = NO filamentous algae; •NO odors; •Heavy metal reduction; •COD reduction.
	Provides process Stability	Feeding and protecting microbes	Stability / less chemical interference = less up and down performance.	Stable WW processing, without chemicals .

Simply put, our additive is and provides a superior “bacterial culture media” for microbes – a technological leap in waste water treatment – truly “bio-active”

