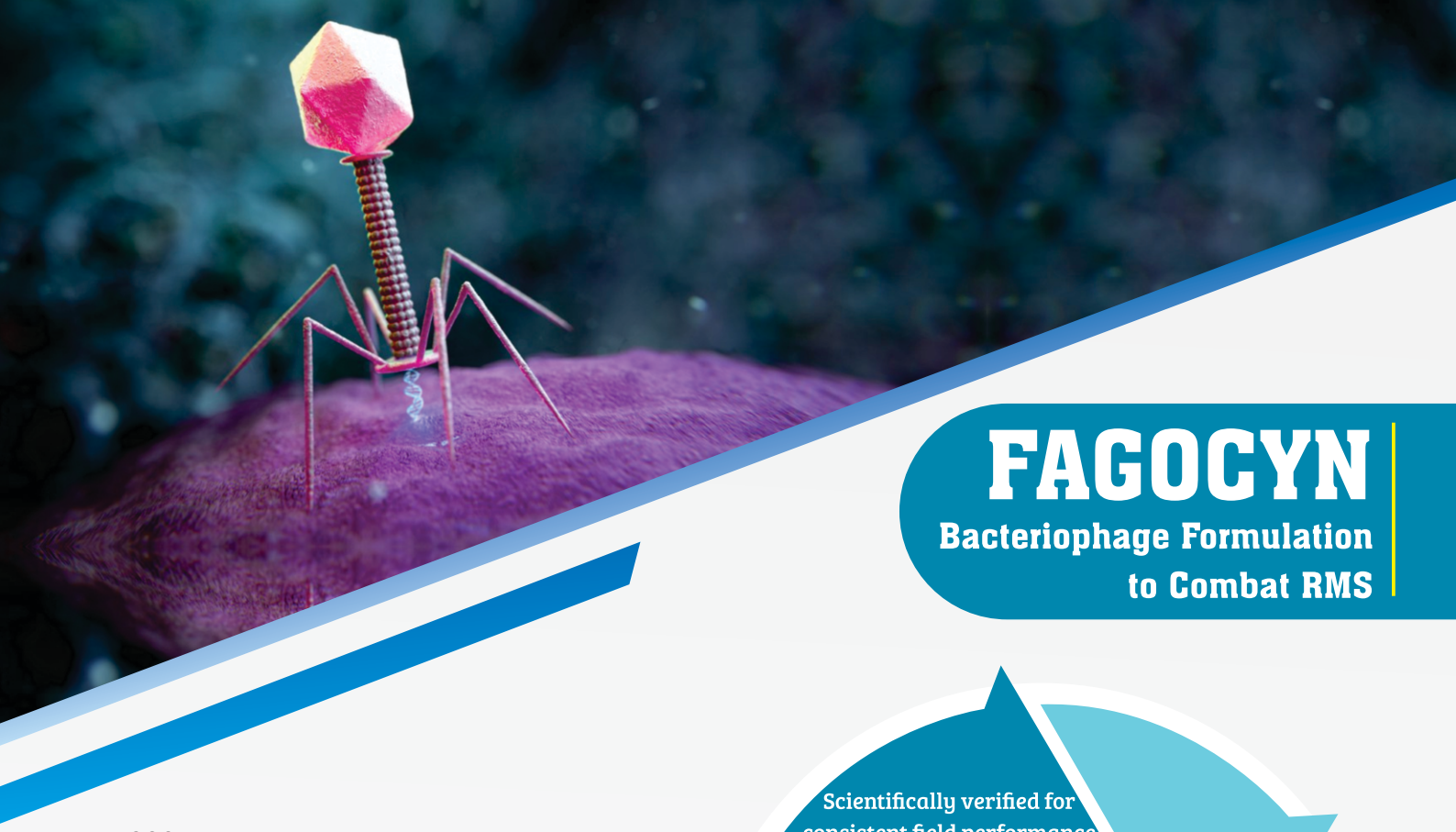


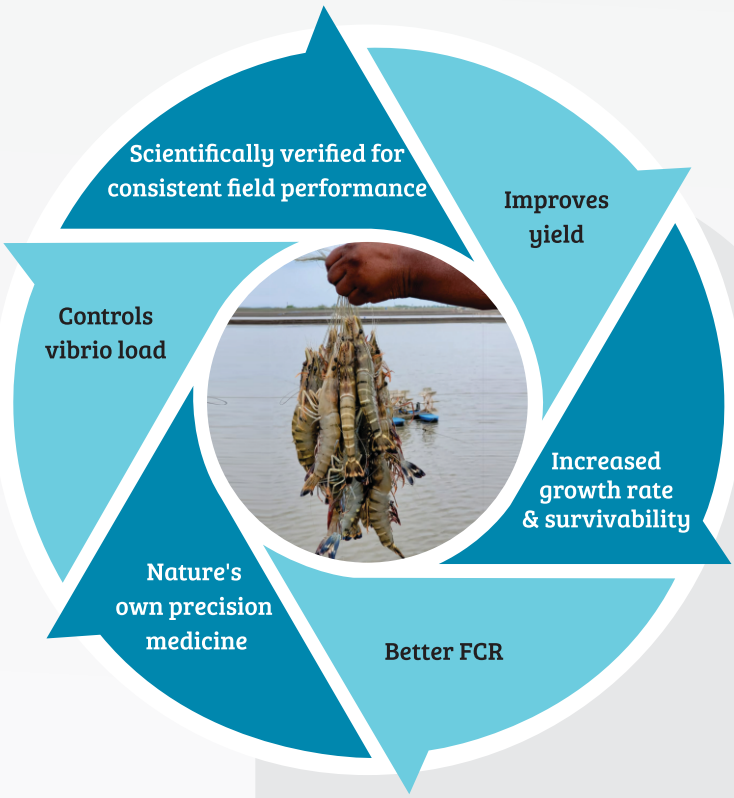
FAGOCYN

Bacteriophage Formulation to Combat RMS

FAGOCYN is an all-natural, Bacteriophage-based product designed to control Running Mortality Syndrome (RMS) in shrimp culture. Phage therapy is a natural and safe solution that targets only disease-causing bacteria while protecting beneficial bacteria.

FAGOCYN contains a bacteriophage cocktail that targets all major pathogenic Vibrios causing RMS, with *Vibrio parahaemolyticus* as the primary target. The vibrios that the cocktail kills are

- *Vibrio parahaemolyticus*
- *Vibrio alginolyticus*
- *Vibrio harveyi*
- *Vibrio campbelli*



INDICATIONS

- Effectively controls Running Mortality Syndrome
- Eliminates biofilm-forming Vibrios
- Works against antibiotic-resistant bacteria
- Pathogen-specific action – targets only harmful bacteria
- 100% natural and residue-free
- Safe for shrimp, plankton & beneficial bacteria
- Improves survival rate, growth & overall pond performance
- Easy and safe to use

Aristogene

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ARISTOGENE BIOSCIENCES

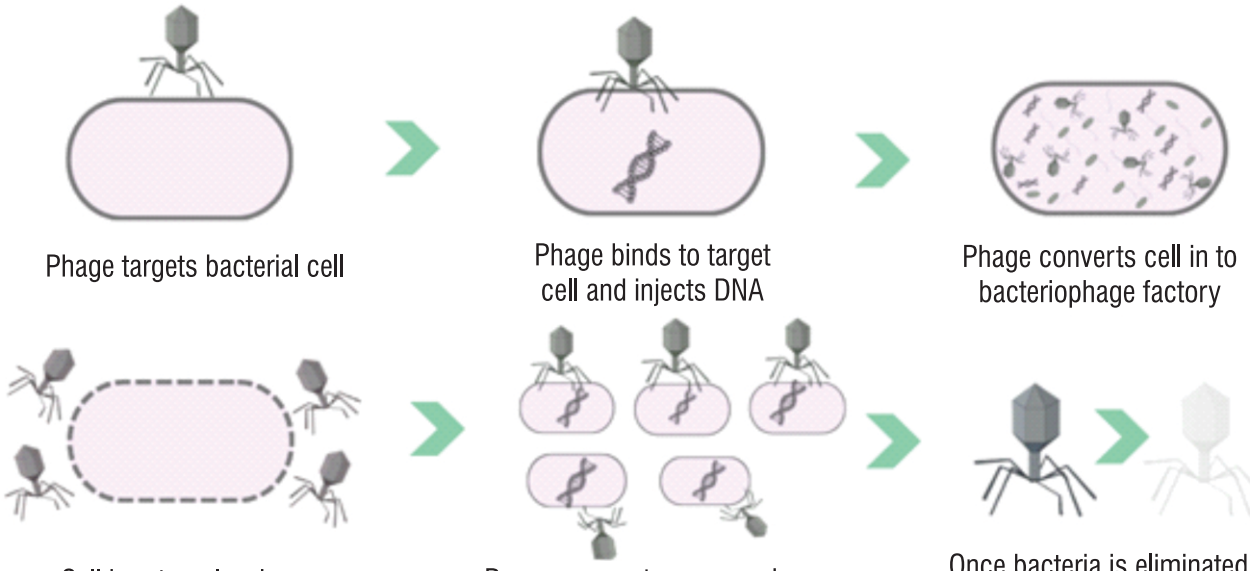
FAGOCYN



Bacteriophage Formulation to Combat RMS

Mode of action

Bacteriophages, also known as “bacteria eaters,” selectively attack harmful bacteria. Lytic phages enter the bacterial cell, multiply inside, and destroy it from within. The newly formed phages then spread to eliminate remaining pathogenic bacteria.



Phage targets bacterial cell

Phage binds to target cell and injects DNA

Phage converts cell in to bacteriophage factory

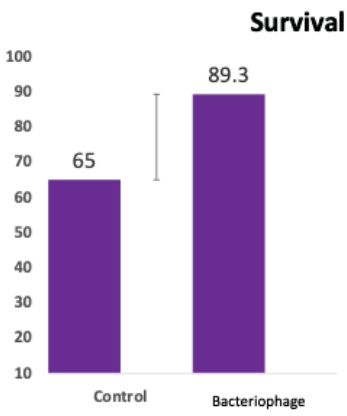
Cell bursts, releasing a new generation of phages

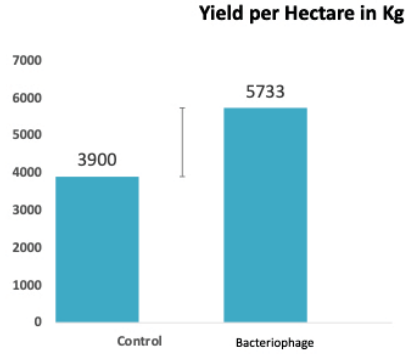
Process repeats as new phages encounter target bacteria

Once bacteria is eliminated phages are naturally cleared

Product efficacy

Field trials of Fagocyn in ponds revealed lower mortality rates , better FCR and increased yield per hectare.





Dosage

Use 10g/ kg of feed four times daily for 5 days, followed by 10g/ kg of feed twice daily for 5 days, then continue 5g/ kg of feed once daily.