



## Efficacy of Pathostat Blu in controlling mortality due to severe Vibrio loads in Shrimp farming

### Introduction:

Vibrios are a genus of bacteria that exist in aquatic environments and are prevalent in shrimp grow-out ponds. Many of the *Vibrio spp.*, are non-pathogenic and can be found in healthy shrimps. However, Vibrios may turn from being commensal to pathogenic and cause disease outbreaks under certain environmental conditions.

**Pathostat Blu** is a unique and an optimized combination of Tannins, Polyphenols, Mucilage, Cynadon dactylon extract, Curcumin, Tricholine citrate, Allicin, Thymol, Potassium diformate, Formic acid and Minerals for improving the health and performance of shrimps.

### Objective of the Trial:

The objective of the trial was to study the efficacy of **Pathostat Blu** in controlling the mortality due to Vibrio loads in shrimp farms.

### Trial Protocol:

**Pathostat Blu** was used at the inclusion level of 20 gm/kg of feed in all four meals.

### Pond History:

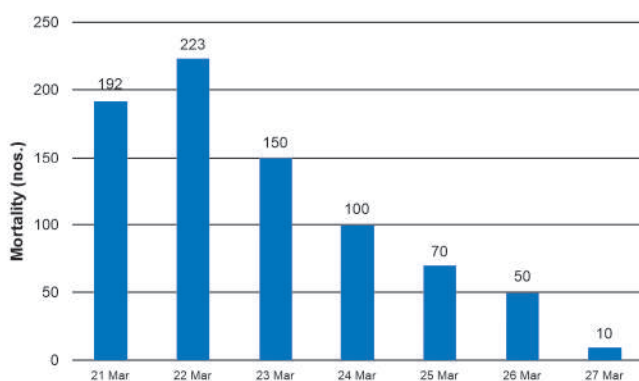
The pond which was selected for the trial is located in Niduguntapalem, Nellore and had severe mortality and was suspected to have WSSV infection, but it was reported negative for WSSV after testing with PCR. There was severe Vibrio load in the pond and average mortality was about 200 nos per day.

### Pond Summary:

Pond size	: 2 acres	Daily Feed Consumption	: 100 kg	ABW	: 9 gm
Stocking Density	: 4.00 L (50/m <sup>2</sup> )	Days of Culture	: 55	Salinity	: 10 ppt

### Trial Results:

The trial started on 22<sup>nd</sup> March 2022 and from the 2<sup>nd</sup> day of trial (23<sup>rd</sup>), there was significant reduction in the mortality of shrimps and the mortality was fully controlled on the 6<sup>th</sup> day.



### Conclusion:

Based on the trial result, it can be concluded that **Pathostat Blu** proves to be highly effective in controlling the Vibrio loads in shrimp farms.