

# FIELD TRIAL REPORT OF

## PLANKTOGROW

### 1.1 INTRODUCTION

**Planktobrow** is a potentiated aqua probiotic formulation enriched with activated growth medium in liquid form to provide better ecological balance and superior health conditions for aquaculture farming. It improved water quality through management of ammonia, sludge and toxicity.

A trial was conducted in aqua farm near Meerut , West U.P to evaluate the efficacy of **Planktobrow** to provide better ecological balance and superior health conditions for aquaculture farming.

#### Aqua farm details :

<b>Location</b>	: Meerut , west U.P
<b>Area</b>	: 5 Acre
<b>Species</b>	: Common Carp, Rohu, Katla
<b>Average weight</b>	: 250 gm
<b>Approx number of fishes</b>	: 1,00,000

### 1.2 METHOD

#### 1.2.1 PREPARATION

- 10 Ltr of Planktobrow Formulation was diluted in 200 Lt. of Pond water. The mixture was stirred till a homogenous solution was obtained.
- Then the mixture was ready to sprayed in the aqua pond for superior health conditions and improves water quality.
- After 15 days , repeat the procedure for optimum results.

#### **AURINKO HEALTHCARE PVT. LTD.**

H.O.: A-1563, Lower Ground Floor Gate No. 5, Green Field Colony, Faridabad – 121010 (Haryana)  
Phone: +91-129-2510228, 29, 30, 31 & 32, Fax: +91-129-2510237  
Email: [info@aurinkohealthcare.com](mailto:info@aurinkohealthcare.com)

### 1.2.2 APPLICATION

- 2 ltr Planktogram diluted in 100 ltr water and sprayed over 1 acre pond.
- Observed pond health and water quality for 30 days.

### 1.2.3 DIAGNOSTIC MEASURES

- Ammonia testing through API Master test kit
- Nitrite testing through API Master test kit
- pH testing through API master test kit

### 1.3 RESULTS

S.No.	Parameter	Before application	After 7 days	After 30 days
1.	Nitrite	0.25 ppm	0.1 ppm	0.05 ppm
2.	pH	4.2	6.5	8.2
3.	Ammonia	6.5 ppm	5 ppm	3 ppm

- Pond health parameters were improved during the observation period.
- There was significant improvement in the Phytoplankton number in the pond after 30 days.

### 1.4 CONCLUSION

The Probiotic formulation of Planktogram had been found effective in providing better ecological balance and superior health conditions for aquaculture farming. This had also helped to improve the water quality through management of Ammonia, nitrite, sludge, and toxicity of aquaculture.

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