

Field Day on Demonstration of Good Rearing Practices and Immunization for Enhanced Survival and Growth of Rainbow Trout at Ramgarh, Nainital, Uttarakhand

Location: Bohrakot Village, Ramgarh Block, Nainital District, Uttarakhand

Date: 09/05/2025

A Field Day was organized for rainbow trout farmers at Bohrakot village (N 29°25'26.74" E 079°33'29.83"; altitude 1,284 m) in the Ramgarh block of Nainital district, Uttarakhand, to demonstrate best rearing practices aimed at enhancing the survival and growth of rainbow trout seed. The primary objective was to promote sustainable aquaculture by reducing antibiotic usage in rainbow trout farming.

As part of the event, a field trial was initiated to validate the performance of immunized trout seed under the DBT-funded project titled "*Development of Autogenous Vaccine Against Lactococcus garvieae in Farmed Rainbow Trout: An Alternative to Antibiotics.*" Approximately 200 immunized rainbow trout fingerlings (weight range: 0.53–1.12 g), vaccinated against warm water lactococcosis, were stocked during the demonstration.

In addition, on-site water quality assessments were carried out. Recorded parameters included water temperature (16.5–17.1°C), pH (7.5–7.8), total dissolved solids (60.5–62.0 ppm), and dissolved oxygen levels (7.0–7.6 ppm).

This activity was part of a broader initiative to promote sustainable aquaculture practices and enhance the health and productivity of farmed rainbow trout in the Himalayan states. The field day was coordinated by Dr. Suresh Chandra and Dr. Neetu Shahi, team members of the aforementioned DBT-funded project.



Rainbow trout farm pond where field trial is initiated