

1. Technology: Dweepika (White Nicobari X Vanaraja)

- **Scientists associated in developing technology:** R.N. Chatterjee, R.B. Rai, A. Kundu, S. Senani, Jai Sunder, S. Jeyakumar and S.P. Yadav
- **Technology description:** Dweepika (White Nicobari X Vanaraja) was developed as a cross of Nicobari fowl suitable for backyard farming with higher egg production, 185 eggs/ annum, and higher body weight of 1923.10 g at 16 weeks of age with better survivability.
- **Subject Area/ Industry (in which it used):** Tropical climatic conditions of Andaman & Nicobar Islands and similar ecosystem available elsewhere.
- **Benefit:** It serves as a genetically better variety having higher body weight, higher egg production and immunity.



2. Technology: Backyard farming of Nicobari Fowl and Dual - Purpose poultry (Nishibari and Nicorock)

- **Scientists associated in developing technology:** R.N. Chatterjee, R.B. Rai, A. Kundu, S. Senani, Jai Sunder, S. Jeyakumar and S.P. Yadav
- **Technology description:** Nicobari fowl locally known as “Takniet” meaning short legged is a scavenging bird particularly found in Nicobar group of islands. There are three strains of Nicobari fowl viz. black, brown and white. Nicobari fowl can survive well on kitchen waste, coconut grating, insects, pests, wild seeds, grains, grasses and other vegetation. The birds can also be reared under backyard system using indigenously shelter and deep litter system of management.
- **Benefit:** Unique feature of this indigenous bird is disease resistance character against common poultry diseases. These improved varieties are high egg producers. The meat is sold at Rs.350 per kg and egg is sold at Rs.12-15 per egg which fetches more money to the farmers. Beneficial for Island farmers and Entrepreneurs.



Nicorock



Nishibari

3. Technology: HERBAL FEED (Grommune and Morical)

- **Scientists associated in developing technology:** Jai Sunder, S. Jeyakumar, T. Sujatha, and A. Kundu.
- **Technology description:** Two herbal based preparation for poultry i.e. Grommune for higher growth and immunity and Morical as a feed supplements for higher egg production and quality.
- **Equipments/Raw Materials**

Morical: A herbal based feed supplement namely Morical has been prepared by mixing *Morindacitrifolia* dried fruit powder (10% wt/wt). This feed supplement in poultry improves body weight gain, annual egg production and feed conversion efficiency.

Recommended dose: 4 % in feed.

Grommune : is an herbal based tonic prepared by mixing fresh *Morindacitrifolia* fruit juice (25% v/v) in sugar syrup base. The product was evaluated in poultry and it showed higher body weight, better feed conversion ratio (FCR) and immunity in the birds. It improves weight gain and feed efficiency of broilers. It boosts the immunity of broilers and desi birds. It reduces the serum cholesterol and alleviates the stress

Dose : 5 ml / bird / alternate days

- **Subject Area/ Industry (in which it used):** Tropical climatic conditions of Andaman & Nicobar Islands and similar ecosystem available elsewhere.
- **Benefit:** The feed can be used for promoting higher growth and immunity in poultry

