

## SUCCESS STORY

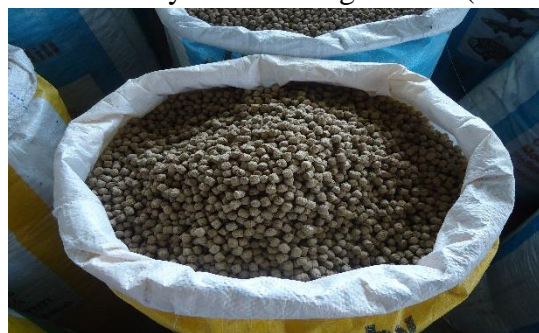
### Demonstration of Fish feeds developed by ICAR-CIFA during Covid-19 lock down period

The occurrence of COVID-19 pandemic and its subsequent lock down and shutdowns has inflicted a heavy loss in freshwater aquaculture because of non-operational fishing activities. Both the seed production and grow out culture systems have been considerably affected. In several regions the feed supply to the farmers was severely affected because of non-supply of feed ingredients which are used for preparation of farm made feed by farmers.

As a part of demonstration, ICAR-CIFA has supplied nursery feed developed by ICAR-CIFA (CIFA-CARP STARTER) to farmers in Orissa in order to reduce mortality of fish seed. It is important to reduce the mortality of seed by providing highly nutritious carp starter instead of using traditional feed for nursery rearing during these period of stress and scarcity. The demonstration of carp starter showed that, the survival percentage of fish was 20% higher and the growth rate was 1.5- 2.0 times more than existing traditional method of feeding. The fish had good acceptability to carp starter compared to other feeds.



The grow out feed developed by ICAR-CIFA by inclusion of locally available ingredients (CIFA-CARP GROWER) was supplied to farmers of Orissa. The observations on demonstrating the feed, CIFA-CARP GROWER inferred that the average size of fish after feeding with CIFA- CARP GROWER was 653gm in Bhadrak, 700 gm in Jamarsuan and 200 gm in Kajipur demonstration sites at 4, 5 and 2 months of feeding respectively during COVID-19 periods and it was higher than existing method of feeding. There was production of healthy fish with improved immunity against infections by feeding carp grower compared to other feeds.



Sampling/harvesting of fish in Bhadrak, Odisha after demonstration with CIFA-Carp Grower