SUCCESS STORY

Doubling of Pre-Monsoon spawn production at Amalgamated Plantation Private Limited (TATA), Hathikuli, Assam using CIFABROODTM

The fish seed production unit (Eco Hatchery) of Amalgamated Plantation Private Limited (TATA) is based at Hathikuli tea estate within Kaziranga National Park, Assam. The farm was selected for undertaking feeding trial on CIFABROODTM during the pre-monsoon period. About 800 Kg of IMC brooders were fed with CIFABROODTM. Bag feeding was done @ 2% of body weight twice a day for a period of 1 month. In order to study the efficacy of the CIFABROODTM over the traditional feed, a group of brooders were fed with traditional farm made feed, thus acting as the control for the experiment. Towards the end of 1-month trial, grass carp and silver carp were found fully matured and the IMCs in the maturing stage.

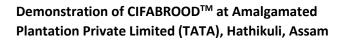
At the end of 2 months trials, all the fishes (Rohu, Catla, Mrigal, Silver carp, Grass carp, Kuri) fed with CIFABROODTM were succefully bred during the pre-monsoon and produced 9.71 crores of water hardened eggs leading to the production of 5.45 crores spawn. The farm record shows that there was a sharp increase in the spawn harvest as compared to the previous year indicating the efficacy of the CIFABROODTM.

Criteria	2018	2019	Increment/Gain
	(Traditional feed)	(CIFABROOD TM)	
No. of brood pond used	06	01	-5
Date of 1 st breeding	23.04.2018	04.04.2019	Preponed by 19 days
No. of breeding programs	13	18	5
taken up			
Female broods used (kg)	276.8	343.6	65.9
Egg produced (liters)	2465	4855.5	2390.50
Relative Fecundity (lakhs	1.78	2.82	1.04 (increased by 58.42%)
per kg body weight)			
Total Spawn recovery	1.94	5.45	3.51
(crores)			
Relative Spawn recovery	0.70	1.58	0.88
(lakhs per kg body weight)			

Comparison of pre-monsoon (April-May) breeding performances at Hathikuli farm

CIFABROODTM has shown its effect on early maturation, egg production and spawn recovery and hence it can be used to increase the annual spawn production in the aquaculture farms.







Netting of Brooder pond



Conditioning of Brooders



Injecting Brooders