

POND BASED FARMING SYSTEM FOR LIVELIHOOD SUSTAINABILITY.

Jailal Kaibarta is a 46 year old Schedule Tribe farmer of Bhawanipatna block who had taken up pisciculture as his livelihood source of income. His family consists of 4 members, his wife, one son and daughter. He depends upon on fingerling production to run his family. Due to traditionally pisciculture practice and lack of scientific management and technological backstopping he used to get low return from fingerling production. During a diagnostic field visit he came in contact with the fishery scientist of KVK and discussed about the problem faced by him in the fingerling production.

Intervention- He was told to upgrade his knowledge regarding fingerling production and imparted training on design and layout of fish pond, liming of the pond, aquatic insect control in nursery pond, Probiotics application procedure in fish pond, Stunted fingerlings production etc and showcased some technology through front line demonstration on Improvement of fish production through periphyton based composite carp culture practice, Use of stunted fingerlings(yearlings) as stocking material in composite carp culture, application of soap oil emulsion to control aquatic insect in carp nursery etc.

The Fishery department officials also helped the farmer in digging of more no of fish pond by providing the subsidy facility and gradually he tried for more no of fish pond and now he has 8 no of fish pond covering a area of 8 acre in Kamthana of Bhawanipatna, jarring of Junagarh block and mandal of Kalampur block. At the same time fishery department has allowed him for exposure visit to many places where he could learn scientific and improved management of fish pond and fingerling production.

KVK scientist suggested him to go for pond based farming system where the pond dike can be used for growing seasonal vegetables and pulses round the year which will provide some additional income to his livelihood. KVK helped him in building up knowledge and skill of the farmer regarding Integrated Farming System for fingerling production along with some seasonal vegetable and pulses in the pond dike, So that a particular piece of land can be optimally utilized.

TABLE- 1 . COST-BENEFIT ANALYSIS

Sl no	Enterprise	Area (acre)	Yield	Cost of Cultivation	Gross Return	Net Return	B:C Ratio
1.	Fingerling production	8 acre 8 no of pond	10,00,000 no of fingerling per acre of pond	5,20,000	1,400,000	8,80,000	2.69
2.	Tomato (VNR)	400m ²	12Q	3500	9000	5500	2.57
3.	Brinjal (VNR)	400m ²	10Q	3250	8500	5250	2.61
4.	Pigeon pea (ICPL-87-119)	800m ²	1Q	2000	4400	2400	2.2
Total				5,28,750	1,421,900	893,150	2.68

Impact :

This person is really a source of inspiration for others and been awarded from various forum for his hard work and strong determination. He is well known in the district for fingerling production. Now he has planned to take up a breeding unit. His continuous effort and strong will power helped his to prosper, before he had two no of fish pond and now he had eight no of fish pond in three blocks of the district. He is truly a role model for the kalahandi district.