



Quality Fish Seed Production Led to Doubling Farmers Income

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ABSTRACT

Shri Kangujam Bunbul is responsive and determined for taking up quality fish seed production as his source of income earning. Accordingly, with the help of Krishi Vigyan Kendra, Imphal East Scientist a low-cost fish production unit has been constructed in his available land area of 0.12 ha for production of quality fish seed. Before starting of his journey in farming he has attended different multi-disciplinary awareness programme in Agri and allied sector organized by Krishi Vigyan Kendra, Imphal East, Manipur. From the knowledge gained from different awareness programme, he has selected fisheries sector as his choice and started attending training programme on different aspect of scientific fish farming organized by KVK, Imphal East.

INTRODUCTION

In the course of his journey, he took advice from the KVK scientists and started growing fish brooder of *Anabus testudineus* in two numbers 10000 litre tarpaulin sheet during the year 2021 with support from KVK, Imphal East. Moreover, he has developed 3 numbers of low cost tanks using tarpaulin having a size of 40 ft x 35 ft x 3 ft for stocking spawn and fry. The KVK Scientists not only provided him with technical backstopping but also constantly boosted his moral by providing platforms to showcase his innovative ideas at the state and national level. The untiring effort of Shri Kangujam Bunbul has helped to earn a net income ranging from Rs. 157000/- to 309000/- in a span of 3 years of his hard work. During the year 2022 and 2023 the net income was Rs 157000/- and Rs. 309000/- with a B:C ratio of 2.9 and 8.5, respectively.

Situation analysis

Shri Kangujam Bunbul Singh is 31 year old rural unemployed youth of Bashikhong village in Keirao Bitra Block of Imphal East District, Manipur. He has completed his formal education up to Master of Sociology during the year 2017. After completion of his study he has shown keen interest in taking up farming in Agri and Allied sector. Before starting of his journey in farming he has attended different Multi-disciplinary awareness programme in Agri and allied sector

organized by Krishi Vigyan Kendra, Imphal East, Manipur. From the knowledge gain from different awareness programme he has selected fisheries sector as his choice and started attending training programme on different aspect of scientific fish farming organized by KVK, Imphal East. Shri Kangujam Bunbul is responsive and determined for taking up quality fish seed production as his source of income earning. Accordingly, with the help of Krishi Vigyan Kendra, Imphal East Scientist a low cost fish production unit has been constructed in his available land area of 0.12 ha for production of quality fish seed.

Plan, Implementation and support

In the course of his journey, he took advice from the KVK scientists and started growing fish brooder of *Anabus testudineus* in two nos. 10000 litre tarpaulin sheet during the year 2021 with support from KVK, Imphal East. Moreover, he has developed 3 nos. of low cost tanks using tarpaulin having a size of 40 ft x 35 ft x 3 ft for stocking spawn and fry. The KVK provided him with all possible support to continue with his idea for successfully production of quality fish seed. The KVK Scientists not only provided him with technical backstopping but also constantly boosted his moral by providing platforms to showcase his innovative ideas at the state and national level.



Broodstock tanks



Fish seed stocking tanks

Outcome

The untiring effort of Shri Kangujam Bunbul has helped to earn a net income ranging from Rs. 157000/- to 309000/- in a span of 3 years of his hard work. During the year 2022 and 2023 the net income were Rs 157000/- and Rs. 309000/- with a B:C ratio of 2.9 and 8.5 respectively.

Impact

Shri Kangujam Bunbul is planning to expand his farm area to 1 ha for production of quality fish seed. He has now become the role model in his village. The farmers from different parts of his district as well as from other districts of State have approached him for his help and expressed their desire for taking up such farming system in their field as well. The farmers have also

shown interest for production of low-cost fish feed with the locally available raw materials. In recognition of his innovative approach for production of low-cost fish feed, KVK, Imphal East has prepared an innovative project proposal and submitted to College of Fisheries, Tripura during the year 2022. Considering the farmers innovative approach for production of low-cost fish feed with locally available raw materials, College of Fisheries, Tripura under RKVY-RAFTAAR Agri-Business Incubator (R-ABI) has provided a start up grant of Rs. 3 lakhs. During the same year Shri Kangujam Bunbul have also been provided a financial assistant of Rs. 2.8 lakhs under PMMSY Scheme for establishing small scale fish hatchery unit.

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Output

Economic of fish seed production of Shri Kangujam Bunbul

For the Year 2021 (First Year)		
Capital Cost		
1.	Plot leveling	1000.00
2.	Construction of tanks (2 nos.)	30000.00
3.	Miscellaneous	10000.00
	Total (A)	41000.00
Working Cost		
1.	Cost of fish fry (6000 fry)	15000.00
2.	Fish feed	26000.00
3.	Medicine	1000.00
4.	Miscellaneous	5000.00
	Total (B)	47000.00
	Total Cost (A+B)	88000.00
	Net Return	Nil
For the Year 2022(Second Year)		
Capital Cost		
1.	Plot leveling	2000
2.	Construction of tanks(3 nos.)	30000
3.	Miscellaneous	10000
	Total (A)	42000
Working Cost		
1.	Fish hormone	20000
2.	Fish feed	10000
3.	Medicine	1000
4.	Miscellaneous	10000
	Total (B)	41000
	Total Cost (A+B)	83000
	Production Details	
1.	Spawn	80 bati
2.	Fry	160000 fry
	Selling Details	
1.	Spawn @ Rs. 1000/bati	80000
2.	Fry @ Rs. 1/fry	160000
	Gross return	240000
	Net return	157000

For the Year 2023 (Third Year)		
Working Cost		
1.	Fish hormone	20000
2.	Fish feed	10000
3.	Medicine	1000
4.	Miscellaneous	10000
	Total	41000
Production Details		
1.	Spawn	150 bati
2.	Fry	200000 fry
Selling Details		
1.	Spawn @ Rs. 1000/bati	150000
2.	Fry @ Rs. 1/fry	200000
	Gross return	350000
	Net return	309000



Construction of small-scale fish hatchery unit