

## Success Story: Muga: 01

Name of the Farmer	Sri Nilmomi Mohan
Address	C/O. L. Kuladhar Mohan; Vill- Nahartoli PO- Doba. Dist:- Charaideo, Mobile No. 9859785735
Age	48 years
Educational qualification	Matriculate
Family Members (Nos.)	5
Experience in Sericulture	17 years
Status	Muga Seed as well as Commercial rearer
Plantation	2.0 acre systematic Som plantation
Rearing capacity	400 dfls per crop/1600 dfls yearly in 4 crops
Yearly production	1,20,000 nos. cocoons (during 2017-18) [Seed cocoons: 80000; Cut cocoons: 40,000 nos.]
Annual income	Rs. 2,88,000.00

Mr. Nilmoni Mohan, Left with fellow farmers, Sri B. Saikia (with specs) and



Dr.K. Neog



Plantation of Som seedlings in Nilmoni's farm by CMER&TI and grainage conducted during Chatua crop, 2018

He usually reared around 800-1000 grams of muga dfls during two or three seasons and had an annual production of around 50-60 thousand cocoons per year from which he earned yearly about 60 thousand to 72 thousand by selling reeling and pierced cocoons obtained from the commercial crops. The farmer was motivated to conduct seed as well as commercial crops rearing adopting the technologies developed by CMER&TI and technologies were demonstrated hand to hand in his field. He was trained by Central Muga Eri Research & Training Institute, Lahdoigarh in association with Office of Assistant Director

of Sericulture, Govt. of Assam during 2015-16 and as such, he took up rearing of Aherua, Jarua and Chotua crops during subsequent years.

With the support from CMER&TI, he raised additional 1.0 acre Systematic Som plantation with S3 and S6 varieties of Som in his own land during 2017-18. At present, Sri Mohan conducts regular rearing with 400-500 dfls per crop and at least 4 crops in a year. Now, he is able to support the family members from the income realized primarily from the Muga sericulture. He has established himself as a progressive Muga farmer in the Doba area in the district. Inspiration received from him led to engagement of more than 40 other farmers of his locality to adopt improved technologies to become self dependent through Muga silkworm rearing.

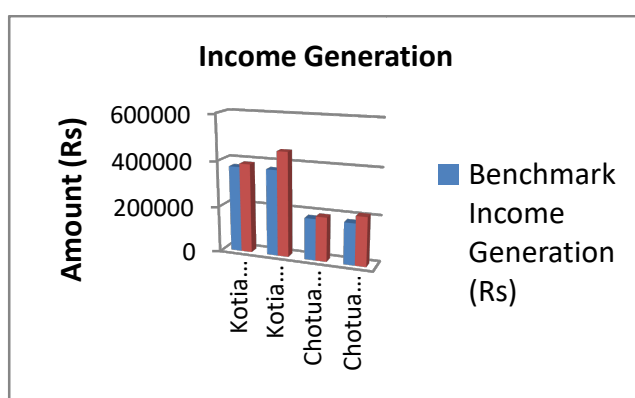
<b>Section</b>	<b>Technologies applied</b>	<b>Level of use</b>	<b>Improvement in production</b>
Muga silkworm rearing	Early stage Muga silkworm rearing	100 %	For successful crop production, Sri Nilmoni Mohan has been constantly using the improved rearing technologies in muga culture. There was an overall 30-60% improvement in cocoon production which led to increase in his income.
	Control of Uzi fly	-do-	
	Use of "Lahdoi" for the control of Muscardine disease during winter	-do-	
Seed technology	Use of Disease Free Layings (DFLs)	-do-	

## Success Story: Muga: 02

Name of the Farmer	Sri Partha Gogoi
Address	Vill- Banmukh, Dist:- Sivasagar
Age	28 years
Educational qualification	Matriculate
Family Members (Nos.)	5
Experience in Sericulture	8 years
Status	Muga Seed as well as Commercial rearer
Plantation	5.0 acre systematic Som plantation
Rearing capacity	1000 dfles per crop/4000 dfles yearly in 4 crops
Yearly production	3,00,000 nos. cocoons
Annual income	Rs. 5,00,000.00

Sri Partha Gogoi, young farmer from Banmukh village of Sivasagar district practicing Muga culture from last 7 years. Plantation: Som with 5 Acres land. He practiced muga culture from 2010. During 2016, he became a beneficiary of CMER&TI in connection with an social welfare project and formed a Self Help Group (SHG) with 10 nos. of youths, named as "Muga Atmasahayak Goot". They conducted 02 crops for rearing during 2016-17 and 2017-18.

Crop	Quant ity of Dfles brush ed (g)	Cocoon yield			Cocoon yield/ DFLs			Income generation (Rs)		
		Bench- mark	2016 -17	2017- 18	Bench -mark	2016- 17	2017 -18	Bench -mark	2016- 17	2017- 18
Kotia	2000	124000	129000	150600	62	64.5	75.3	372000	387000	451800
Chatua	1500	72000	76500	84750	48	51.0	56.5	180000	191250	211875



Figs. Income generation of Sri P. Gogoi, Dr. (Mrs.) Ranjana Das, Director (I/C) with Sri Partha Gogoi during her visit to the field.

### Success Story – 3 (Eri)

Name of the Farmer	Smt Sushila Devi.
Address	C/o Sri Kero Nath, Vill- Adarshagaon PO- Killingvelley. Dist:- Morigaon
Age	45 years
Educational qualification	Class VIII
Family Members (Nos.)	5
Experience in Sericulture	About 15 years
Status	Eri commercial rearer
Plantation	Having 1.0 acre systematic castor and kesseru plantation
Rearing capacity	210 dfls per crop/1260 dfls yearly in 6 crops
Yearly production	3,15,000 nos cocoons
Annual income	Rs. 2,50,000.00



In the initial stage, she used to practice eri silkworm rearing with traditional methods and techniques with a capacity of 15-20 dfls per crop only and conducted 3-4 crops annually with the castor leaves collected from natural plantation and forest areas. She was trained by Central Muga Eri Research & Training Institute, Lahdoigarh in association with Office of Assistant Director of Sericulture, Govt. of Assam during 2015-16 and subsequently she raised 1.0 acre Systematic castor plantation in her own land and started to conduct rearing commercially with 150-250 dfls per crop and 5-6 crops in a year. Now, She along with her family members realized the rich of sericulture economy & practice regularly and she has recognized herself as progressive Eri farmer in the Nellie area in Morigaon district. She has also motivated more than 50 other traditional Eri farmers of her locality to follow her and to adopt improved technologies to become self dependent through eri silkworm rearing.

## Success Story: Eri: 04

Name of the Farmer	Sri Dipal Chetri
Address	Vill- Dimoria, Dist:- Nagaon, Mobile No. 7896940931
Age	44 years
Educational qualification	Matriculate
Family Members (Nos.)	5
Experience in Sericulture	10 years
Status	Eri Seed as well as Commercial rearer
Plantation	1.0 acre systematic Castor and Kesseru plantation
Rearing capacity	200 dfls per crop/1200 dfls yearly in 6 crops
Yearly production	3,00,000 nos. cocoons
Annual income	Rs. 2,50,000.00

He usually reared around 20-100 grams of Eri dfls during two or three seasons and had an annual production of around 40-50 thousand cocoons per year from which he earned yearly about 20 thousand to 30 thousand by selling. The farmer was motivated to conduct rearing of eri silkworms by adopting the technologies developed by CMER&TI and technologies were demonstrated hand to hand in his field. He was trained by Central Muga Eri Research & Training Institute, Lahdoigarh during 2015-16 and as such, he took up rearing of eri silkworms in mass during subsequent years.

At present, Sri Chetri conducts regular rearing with 80-100 dfls per crop and at least 4 crops in a year. Now, he is able to support the family members from the income realized primarily from the eri sericulture. Inspiration received from him led to engagement of more than 100 farmers of his locality to adopt improved technologies to become self dependent through eri silkworm rearing.

Section	Technologies applied	Level of use	Improvement in production
Eri silkworm rearing	Use of improved Castor variety	100 %	For successful crop production, Sri Nilmoni Mohan has been constantly using the improved rearing technologies in muga culture. There was an overall 30-40% improvement in cocoon production which led to increase in his income up to 2.5 lakhs per year.
	Use of treated bamboo made rearing tray cum moutage	-do-	
	Use of improved silkworm breed C2	-do-	
Seed technology	Use of Disease Free Layings (DFLs)	-do-	



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