

Transforming Traditional Sericulture to Commercial Sericulture

Name: Alfajaddin Sekh

S/O Nur Mohammad Sekh

Age:-53 year

Village- Anantanagar

Block- Bhadrapur

District- Birbhum(W.B.)

Mobile number- 9609343924

Experience of silkworm rearing -32 years



Alfajaddin Sekh, a farmer from Anantanagar, has been involved in sericulture for many years, relying on his small landholding of 0.33 acres (one bigha). Initially, his livelihood was primarily dependent on silkworm cocoon production, yielding an annual income of only ₹ 30000-₹ 40000. He cultivated local mulberry varieties and reared $M \times M$ and $M \times Bi$ silkworm hybrids, working diligently for 29-32 days from the hatching of silkworm eggs to the silk cocoon production stage. However, due to a lack of knowledge about proper incubation, black boxing, and maintaining optimal temperature and humidity, the hatching success rate of silkworm eggs was limited to 60-70% with a yield of 24-32 kg per 100 DFLs.

Alfajaddin Sekh situation began to change after participating in an awareness and technical demonstration program conducted by the Central Sericultural Research and Training Institute (CSRTI), Berhampore. He learned about scientific techniques in silkworm rearing, which significantly improved his results. Currently, Alfajaddin Sekh cultivates 0.67 acres of the S 1635 mulberry variety cultivation.

Through various extension programs, he also learned about the benefits of using Chawki larvae for silkworm rearing. This method allowed him to save time, reduce labor costs, and conserve mulberry leaves. Alfajaddin Sekh achieved a substantial improvement in yield. The adoption of CRC larvae resulted in a significant increase in the number of healthy silkworms, leading to an average yield of 42.56 kg from rearing 100 from multi-voltine DFLs. His net income increased to approximately ₹233100/-per year.

As an early adopter of this modern method in his locality, Alfajaddin Sekh has achieved remarkable success in sericulture, bringing significant economic progress to his family. He has one child who is currently studying in Class 12 at a reputable school and 01 daughter in MSc. Alfajaddin Sekh journey from traditional practices to adopting innovative sericulture techniques has transformed his livelihood and improved his family's standard of living.



Annual silkworm rearing details of

Mr. Alfajaddin Sekh

#	Race	Crop	DFLs	Cocoon production (Kg.)	Yield/100dfls (Ava.)	Rate @Rs.	Total Amount (Rs.)	Total Net income Rs.
1	M X Bi	Agrahani	400	178.00	44.50	425/-	75650.00	70650.00
2	M X Bi	Falguni	300	138.00	46.00	375/-	51750.00	46750.00
3	M X Bi	Baishakhi	400	172.00	43.00	300/-	51600.00	46600.00
4	M X Bi	Jaistha	300	114.00	38.00	275/-	31350.00	27000.00
5	M X Bi	Aswina	400	164.00	41.00	275/-	45100.00	42100.00
Grand Total :-			1800	766.00	42.56 (Av.)		255450.00	233100.00

By: Dr. Parameswaranaik J
Scientist-C
SEEM Division
CSRTI – Berhampore