

Department of Economics, J.D.S.G. College, Bokakhat

Add-on Course

on

Tea Plantation & Management

Justification of the course:

Department of Economics, J.D.S.G. College, Bokakhat has offered an add-on course on Tea Plantation & Management to the students of degree course of this college. This course is justified on the following grounds-

- i. Help in achieving suitable employment opportunities in varied skilled jobs in the tea industry of Assam.
- ii. Assist in making a good carrier on tea management so as to engage in the concerned industry or operate a small tea garden privately.
- iii. Assist in becoming a small tea grower.
- iv. Help in the growth of tea industry of Assam .

Syllabus of Course

(prepared by Dr. Bichitra Hira, Associate professor, J.D.S.G.College, Bokakhat)

Unit-I: History & Importance of Tea Industry:

Origin of tea, importance and science of tea; History of Tea cultivation in India & Assam; History of Small Tea Growers(STGs) in Assam ; Importance of Tea Industry in India & Assam ; Government policies and support for Tea estate and Small Tea Growers ; Growth of STGs in Assam; Problems faced by STG in Assam; Inter-cropping & its importance ; Marketing of tea leaves & it's importance and Importance of leaves management.

Unit-II: Tea Culture and Agronomy:

Planting Materials approved by Tea Board of India; Propagation of Tea & Nursery Techniques- Propagation by seeds, Vegetative propagation, grafting, mother bush management; Establishment of tea plantation- Selection of Planting Site ;Land Preparation, Nursery Management ; Plant Spacing and Staking; Planting operation ; Soil& importance of soil structure for tea plantation- Soil structure, texture & soil health , Soil PH, Soil rehabilitation & Soil topography; Climatic conditions- temperature, rainfall& relative humidity ; Methods of Plucking & Tipping and Pruning & Training.

Unit-III: Tea Management:

Production management- Communication & Management Information system; Human resource management- Personal management and Industrial relations; Marketing and sales management ; Heath management ; Total quality management ; Management of Pest, disease

and weed - identification, symptoms and control measures by various synthetic chemical and organic chemicals ;Soil management- Soil Conservation, Role of soil nutrient in the growth & development of tea, study on nutrients deficiency symptoms & its improvement practices for growth & development; Water Management-Importance of water in growth & development of Tea Plant, and Management of Drainage & Irrigation operation.

Unit-IV: Welfare and Security under Labour Laws:

The Plantation Labour Act, 1951; The Factory Act, 1948; The Payment of wages Act, 1936; The Payment of Bonus Act, 1936; The Employee PF Act, 1952 & The Minimum wages Act, 1948.

Unit-V: Practical:

Field Survey, Project works in tea gardens and interaction with practitioners

Referred Books/Journals:

1. C.R. Harler: The Culture and Marketing of Tea, 3rd edition, 1964. Oxford University Press, London
2. D.N. Baruah: Science & Practice in Tea Culture, Tea Research Association, Tocklai Experimental station, Jorhat
3. K.C.Sharma: Diseases of tea and Associated Crops in North East India, 1960, Memorandum No. 26. Tocklai Experimental Station, Jorhat.
4. E. Hainsworth: Tea Pests and Disease and their Control, 1952,W. Heffer and Sons Ltd., Cambridge
5. Samuel Ball: An Account of the Cultivation and Manufacture of Tea in China, 1848, Longman, Brown, Green and Longmans, London
6. H. Panda: Cultivation and Manufacture of Tea (2nd Revised Edition), Paperback
7. The Assam review and Tea News, Monthly journal.
8. Edward Money :The Cultivation & Manufacture of Tea ,2016 Edition , Wentworth Press