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Title: STUDY OF AGROFORESTRY PRACTICES AND SOCIO-ECONOMIC ANALYSIS IN NAGRI BLOCK OF RANCHI DISTRICT, JHARKHAND

Publisher: Birsa Agricultural University, Ranchi, Jharkhand-6

Language: en_US

Type: Thesis

Pages: 56

Agrotags: null

Keywords: STUDY OF AGROFORESTRY PRACTICES AND SOCIO-ECONOMIC ANALYSIS IN NAGRI BLOCK OF RANCHI DISTRICT, JHARKHAND

Abstract: The present experiment was conducted on the “Studies of agroforestry practices and socio-economic analysis in Nagri Block of Ranchi District (Jharkhand)” with the objectives 1. To survey and identify the existing agroforestry practices 2. To study the influence of agroforestry in socio economic aspects of farmers. The study was carried out Four Panchayat and Eight villages of Nagri Block these villages are Edchero and Patrachauli (Panchayat – Edchero) Khunta and Harhi (Panchayat-Saher) Lalgotuwa and Pundag (Panchayat – Lalgotuwa) Balalong and Kelende (Panchayat - Balalong). Nagri has a humid subtropical climate. However, due to its position and the forests around the city, it is known for its pleasant climate. Ranchi used to be a preferable hill station in the past. Temperature ranges from maximum 42 to 20 °C during summer, and from 10 to 20°C during winter. December and January are the coolest months with temperature getting to freezing point in some places of the city. The annual rainfall is about 1430 mm (56.34 inches). From June to September the rainfall is about 1,100 mm. Agro climatic zone of Ranchi comes under Central and North Eastern Plateau Zone (BI-4). The lower areas provide suitable condition for paddy cultivation. The higher elevations provide condition for cultivation of pulse, vegetables and agroforestry practices. Major crops grown in the district are rice and pulses. Only 8.30 percent area of agricultural use have irrigation facility and major source of irrigations are well and canals. The data are recorded for various parameters like Age profile, Caste profile, , Literacy status, Livestock and Poultry status, House hold status, Land holding status, and land use pattern, dependency on forest (Fuelwood and Fodder consumption pattern, annual income from agroforestry).. Average height, girth and volume measured of trees species of selected villages of Nagri Block. Economics from tree species, agriculture crop and horticulture crop under agroforestry system. Population of male was found maximum in selected villages (75.62%) and female (24.38%). In general the trends of different caste profile are ST (60%) followed by OBC (22.5%), Gen (09.37%) and SC (08.12%). Maximum income from agriculture, horticulture, forestry, and livestock followed by private job and government service and minimum income from Remittances and Wages. People are adopting Agrisilviculture systems & few respondents adopted the Silviculture while some other respondents are engaged in horti-pastoral activities and quite a few respondents are also having bund plantations or using tree species for boundary plantations. It is observed that maximum households are interested in adoption of agroforestry but there is lack of awareness and extension activities related to agroforestry system. There is a need for proper assistance and advance training related to agroforestry practices and modules at ground level.

Description: STUDY OF AGROFORESTRY PRACTICES AND SOCIO-ECONOMIC ANALYSIS IN NAGRI BLOCK OF RANCHI DISTRICT, JHARKHAND

Subject: Silviculture and Agroforestry

Theme: STUDY OF AGROFORESTRY PRACTICES AND SOCIO-ECONOMIC ANALYSIS IN NAGRI BLOCK OF RANCHI DISTRICT, JHARKHAND

These Type: M.Sc

Issue Date: 2017

Appears in Collections: Thesis (/handle/1/93550)

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