**Authors:** Lakra, Tanu Shree (/browse?type=author&value=Lakra%2C+Tanu+Shree)

**Advisor:** Chakraborty, A.K. (/browse?type=author&value=Chakraborty%2C+A.K.)

**Title:** EVALUATION OF AGROFORESTRY PRACTICES AND SOCIO-ECONOMIC ANALYSIS IN WEST SINGHBHUM DISTRICT, JHARKHAND

**Publisher:** Birsa Agricultural University, Ranchi, Jharkhand-6

**Language:** en_US

**Type:** Thesis

**Pages:** 60

**Agrotags:** null

**Keywords:** EVALUATION OF AGROFORESTRY PRACTICES AND SOCIO-ECONOMIC ANALYSIS IN WEST SINGHBHUM DISTRICT, JHARKHAND
The present study entitled “Evaluation of agroforestry practices & socio-economic analysis in West Singhbhum District, Jharkhand” was carried out at Sadar and Jhinkpani Blocks of West Singhbhum district of Jharkhand during the year 2015-2016 for viewing the significance of agroforestry for socio-economic upliftment of rural households through agroforestry interventions. Through multi-stage randomized selections, 160 households of West Singhbhum district were surveyed on the agroforestry practices and socio-economic aspects. The data were collected by personal interviews of the respondents through a structured interview schedule. Data on existing agroforestry practices were collected through field visit. Demographic details of the village comprising details of the households family structure, occupational profile, income (primary & secondary), status on their field in future were obtained and analyzed. Majority of the respondents in the study area were of middle age, illiterate, unemployed and had very low income. Most of them belonged to Schedule Tribe. Farming as well as livestock rearing was their main source of livelihood. Majority of the farmers were either marginal or small farmers. Agriculture followed by livestock rearing was the main occupation for their livelihood and income generation. The data were recorded on various parameters like Population, Social class, Religious belief, Family size, House type, Literacy status, Source of income, Total land holding, Land use practices, Existing agroforestry systems, Monthly income from poultry and vegetables, and Annual farm income of selected villages of Sadar and Jhinkpani Blocks of West Singhbhum District, Jharkhand. The total estimated population of selected villages of West Singhbhum District was 160. The mean male population per village was calculated as 73.12 (56%), while the mean female population was 56.25 (44%). In general, the trends of mean number of different social class are ST 15.75 (79%) followed by OBC 2.75 (14%), SC 1.5 (7.5%). Average number of household in each village of Sadar and Jhinkpani blocks were 20.00 out of which the proportion of medium family were 59.37%, small family 23.75% and large family 16.87%. Illiterate to primary level education status people consisted nearly 42% of the total population. Descending literacy status was found in order as Primary to graduation (41.87%) >Matric (24.37%) >Intermediate (15.62%) >illiterate (10.62%) > graduation (7.5%). Almost all households (84%) in the study area were engaged in agriculture which was the main source of income and means of livelihood. Further, 36% households were engaged in labour work. Average number of households having below 1 hectare land holding status in eight villages were calculated as 90.62% followed by household having 1- 2 hectare i.e., 6.25%, followed by 2-4 hectare land holding i.e., (3%). Agriculture (70.6%) and Agroforestry system (46.2%) are the important land use practices followed by households in Sadar and Jhinkpani blocks. Other land use practices are Bamboo farming (40.5%), Sericulture and fallow (32.5%). More than half of the households in the study area had monthly income from poultry (62.5%) and vegetables (66.8%) below Rs. 1000, whereas 16.25% (poultry) and 18.75% (vegetable) had income between Rs. 1001-2000. Existing agroforestry practices on the households, field in the descending order of number of households practicing were: trees on homesteads which is practiced by the maximum households, trees on field’s bunds, Silvipasture, MPTs plantation, and trees scattered in agricultural fields (in between crops). Sissoo, Gamhar, Teak, Akashi, Subabool, Moringa, Mahua and Siris were the most preferred forest tree species whereas, Mango, Guava, Banana, Kathal, Litchi, Papaya, Ber and Jamun were the most preferred fruit tree species in descending order of preference for future plantation on household farmland. The findings of the present study suggest to carefully consider Socio-Economic factors while designing agroforestry models for the study area. Further, the farmers should practice fruit tree based agroforestry systems such as, agri-horti-silviculture system, integrated mixed farming (production of food, feed, fodder, fiber, fuel on a small piece of land), agri-horti-silvipasture system etc. The existing agroforestry practices also need improvement by incorporating fruit, fodder and timber trees as per farmers choice. In case of annual income generated more than half (64.37%) of the households had total income of Rs. 1-20000, whereas only 4.37% had total annual income above 1lakh. Thus, findings of the study revealed that there exists financial obstacle for the improvement of existing agroforestry in the study area. In case of annual income generated more than half (64.37%) households had total income of Rs. 1-20000, whereas only 4.37% had total annual income above 1lakh. Thus, findings of the study revealed that there exists financial obstacle for the improvement of existing agroforestry in the study area.
Subject: Silviculture and Agroforestry

Theme: EVALUATION OF AGROFORESTRY PRACTICES AND SOCIO-ECONOMIC ANALYSIS IN WEST SINGHBHUM DISTRICT, JHARKHAND

These Type: M.Sc

Issue Date: 2017

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

Files in This Item:

<table>
<thead>
<tr>
<th>File</th>
<th>Description</th>
<th>Size</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>1619 Tanu Shree Lakra.pdf</td>
<td></td>
<td>14.13 MB</td>
<td>Adobe PDF</td>
</tr>
</tbody>
</table>

View/Open (/displaybitstream?handle=1/5810039166)

Show full item record (/handle/1/5810039166?mode=full)  
/stats (/handle/1/5810039166/statistics)

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.