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| Development Impact Evaluation |
| Burkina Faso Baseline Report |
| [Document subtitle] |

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| February 2018 |

# Introduction

Table 1: Sample size by bloc

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Foret | Bloc | Control | Treatment | Total |
| Bontioli | Baro | 10 | 10 | 20 |
| Bontioli | 10 | 10 | 20 |
| Bouroum | 10 | 10 | 20 |
| Dankotnazou | 8 | 10 | 18 |
| Hemkoa | 10 | 10 | 20 |
| Tiankoura | 10 | 10 | 20 |
| Tovor | 10 | 10 | 20 |
| Zambo | 10 | 10 | 20 |
| Kari | Kari | 10 | 10 | 20 |
| Oula | 9 | 10 | 19 |
| Nazinon | Galo | 2 | 7 | 9 |
| Nadono | 7 | 9 | 16 |
| Silimba | 10 | 10 | 20 |
| Nosebou | Etouayou | 10 | 10 | 20 |
| Oualou | Banouba | 7 | 10 | 17 |
| Oualou | 10 | 10 | 20 |
| Sorobouli | Boromissi | 10 | 10 | 20 |
| Souho | 10 | 10 | 20 |
| Tapoaboopo | Koena | 9 | 10 | 19 |
| Koguini | 10 | 10 | 20 |
| Matiacoali | 10 | 9 | 19 |
| Nansougou | 9 | 9 | 18 |
| Ougarou | 10 | 9 | 19 |
| Sakoanie | 8 | 10 | 18 |
| Tchalbonga | 10 | 10 | 20 |
| Toabili | 10 | 10 | 20 |
| Tiogo | Dassa | 10 | 10 | 20 |
| Kyon | 10 | 10 | 20 |
| Tenado | 10 | 10 | 20 |
| Tiogo | 10 | 10 | 20 |
| Tisse | Bissanderou | 10 | 10 | 20 |
| Didie | 10 | 10 | 20 |
| Toroba | Toroba | 8 | 10 | 18 |
|  | **Total** | **307** | **323** | **630** |

# Household Characteristics

In total, 630 participants were interviewed during the baseline survey.

Figure 1: Baseline Sample by Foret

Table : Baseline Sample by Treatment Status

|  |  |  |
| --- | --- | --- |
|  | Num | Percentage |
| Traitement collectif | 163 | 26% |
| Controle collectif | 153 | 24% |
| Traitement individuel | 160 | 25% |
| Controle individuel | 154 | 24% |
| Total | 630 | 100% |

90% of the respondents are farmers and 6% of the respondents are cattle farmers.

Figure 3: Occupation of Respondents

Table 3: Occupation by Treatment Status

Table : Income by foret

|  |  |  |
| --- | --- | --- |
| Income | Mean | Num |
| KARI | 915,790 | 38 |
| TOROBA | 623,056 | 18 |
| NOSEBOU | 1,581,033 | 18 |
| OUALOU | 590,135 | 37 |
| SOROBOULI | 1,516,857 | 35 |
| TISSE | 584,875 | 40 |
| NAZINON | 287,361 | 43 |
| TIOGO | 148,791 | 79 |
| BONTIOLI | 313,660 | 155 |
| TAPOABOOPO | 542,492 | 153 |
| Total | 533,317 | 616 |

Table : Annual income and annual food consumption

|  |  |  |
| --- | --- | --- |
|  | Mean | N |
| Annual income from occupation | 533,317 | 616 |
| Annual food consumption | 1,211,963 | 630 |

47% of the sampled individuals are monogamously married and 42% of the sampled individuals are polygamously married.

Figure 4: Situation Matrimoniale

63% of participants in the sample are household head and on average, there are 13 household members in each participant’s household.

Figure 5: Nombres de membres de menage

Figure 6: Chef de menage

The majority of participants in the sample (81%) didn’t receive any education, and 12% of the participants only received primary school education.

Figure 7: Niveau scolaire

56% of participants in the sample reported that they are a member of Groupement de Gestion Forestière (GGF). There are large variations in GGF membership across foret – 97% of participants living in Oualou reported that they are a member of GGF, compared to 18% in Nazinon.

Figure 8: Membre de GGF

# Household Assets

During the baseline survey, participants in the sample were asked about the type of agricultural equipment owned by their household. Almost all participants in the sample (91%) own hoe, 89% own machette, 69% own hache, and 63% own charue.

Figure 9: Biens de production agricole

Figure 10: Possession of Assets

92% of households in the sample own poultry, 72% of households in the sample own a goat, own cattle, 59% own a donkey, and 30% own a pig.

Figure 11: Possession of Livestock

# Agricultural Production

83% of households in the sample responded that their household own a land.

Figure 12: Land Ownership by Foret

Figure 13: Agricultural Landholdings

|  |  |  |
| --- | --- | --- |
|  | Mean | Number of observations |
| Possession de terre ces 12 derniers mois par le menage | 83% | 628 |
| Superficie totale de terres du menage (ha) | 14.15 | 521 |
| Superficie totale de terre cultivées du menage (ha) | 4.95 | 521 |

Figure : Purchase of agricultural inputs

Figure : Source of credit for agricultural investment

Table : Agricultural Production

|  |  |  |
| --- | --- | --- |
|  | Mean | N |
| Total value of agricultural production | 1,057,649 | 521 |
| Total agricultural cost | 93,508 | 521 |
| Total value of agricultural production - total agricultural cost | 964,141 | 521 |
| Agricultural productivity (profit per hectare of land) | 139,744 | 521 |

Table : entreprise familiale non agricole

|  |  |  |
| --- | --- | --- |
|  | mean | n |
| Entreprise de transformation de produits agricoles ou animaux sur 12 mois passes | 1% | 628 |
| Entreprise de confection/ Reparation des tissus ou vetements | 0% | 628 |
| Entreprise de construction de maisons | 1% | 628 |
| Entreprise de Commerce du menage | 3% | 628 |
| Entreprise de professions liberales pour son propre compte | 0% | 628 |
| Entreprise dans le domaine du transport | 0% | 628 |
| Entreprise dans le domaine des Hotels | 0% | 628 |
| Entreprise dans un autre domaine non agricole | 1% | 628 |

Question:

* Baseline balance test table?
* Is it okay to winsorize the outliers?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Control | | Treatment | | |  | |
| *in 1,000 FCFA* | Mean/SE | N | | Mean/SE | N | | Difference |
| Total value of agricultural production | 1563.146 | 259 | | 557.940 | 262 | | 0.253 |
| [881.425] |  | | [48.012] |  | |  |
| Total agricultural cost | 86.326 | 259 | | 100.608 | 262 | | 0.278 |
| [8.249] |  | | [11.136] |  | |  |
| Total value of agricultural production - total agricultural cost | 1476.820 | 259 | | 457.331 | 262 | | 0.246 |
| [881.454] |  | | [45.513] |  | |  |
| Agricultural productivity (profit per hectare of land) | 164.254 | 259 | | 115.515 | 262 | | 0.292 |
| [45.367] |  | | [9.781] |  | |  |
| Annual income | 550.471 | 300 | | 517.032 | 316 | | 0.523 |
| [51.669] |  | | [36.083] |  | |  |
| Annual food consumption | 1335.464 | 307 | | 1094.578 | 323 | | 0.087\* |
| [129.419] |  | | [53.638] |  | |  |