

Data Set Number 166: Actual situation of land use for Jerma household: Fakara, Niger 2003-2005

Identification_Information:

Citation:

Citation_Information:

Originator: Keiichi Hayashi

Publication_Date: 2005

Title: Actual situation of land use for Jerma household: Fakara, Niger 2003-2005

Edition: vr. 1

Geospatial_Data_Presentation_Form: tabular digital data

Online_Linkage: \\Isc-svr01\GeoNetwork\fakaradatabase\h.keiishi\actual situation of land use for jerma household\Actual situation of land use for Jerma household.dbf

Description:

Abstract: 38 farms were measured by GPS (Garmin Etrex) for 13 Jerma households in Tchigo Tegui and cultivated and non cultivated (fallow) area was identified. At the same time, a questionnaire was conducted to each household in order to estimate inputs and outputs of each surveyed farm.

Purpose:

To obtain quantitative information on actual ratio of fallow and cultivated area at household level

To measure quantitatively a capacity of food supply from actually cultivated area

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 2003

Ending_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Unknown

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 2.583333

East_Bounding_Coordinate: 2.866667

North_Bounding_Coordinate: 13.583333

South_Bounding_Coordinate: 13.333333

Data_Set_G-Polygon:

Data_Set_G-Polygon_Outer_G-Ring:

G-Ring_Point:

G-Ring_Latitude: 13.50950

G-Ring_Longitude: 2.77607

Keywords:

Theme:

Theme_Keyword_Thesaurus: none

Theme_Keyword: millet production

Theme_Keyword: self sufficiency

Theme_Keyword: Jerma household

Place:

Place_Keyword: Fakara

Place_Keyword: Datiandou
 Place_Keyword: Niger
 Place_Keyword: West Africa
 Place_Keyword: Sahel
 Access_Constraints: Restricted
 Use_Constraints: Restricted
 Point_of_Contact:
 Contact_Information:
 Contact_Person_Primary:
 Contact_Person: Keiichi Hayashi
 Contact_Organization: JIRCAS
 Contact_Address:
 Address_Type: mailing and physical
 City: 1-1 Ohwashi, Tsukuba
 State_or_Province: Ibaraki
 Postal_Code: 305-8686
 Country: Japan
 Contact_Voice_Telephone: +81-29-838-6355
 Contact_Electronic_Mail_Address: khayash@jircas.affrc.go.jp
 Hours_of_Service: 8:00-17:00 (JST)
 Contact_Instructions: E-mail
 Data_Set_Credit: Amadou Soja (JIRCAS/ICRISAT), Tahirou Abdoulaye (JIRCAS/INRAN)
 Security_Information:
 Security_Classification: Restricted
 Native_Data_Set_Environment: Microsoft Excel; dbase ; ESRI ArcCatalog 9.0.0.535
 Cross_Reference:
 Citation_Information:
 Originator: Elias T. Ayuk
 Publication_Date: 2001
 Title: Social, economic and policy dimensions of soil organic matter
 Series_Information:
 Series_Name: Nutrient Cycling in Agroecosystems
 Issue_Identification: 61: 183195
 Publication_Information:
 Publication_Place: Netherlands
 Publisher: Kluwer Academic
 Cross_Reference:
 Citation_Information:
 Originator: Ndjeunga, J., Bationo, A.
 Publication_Date: 2005
 Title: Stochastic dominance analysis of soil fertility restoration options on sandy Sahelian soils in southwest Niger.
 Series_Information:
 Series_Name: Explimental Agriculture
 Issue_Identification: 41; 227244
 Publication_Information:
 Publication_Place: United Kingdom
 Data_Quality_Information:
 Attribute_Accuracy:
 Attribute_Accuracy_Report: 38 farms of 13 Jerma households in Tchigo Tegui
 Quantitative_Attribute_Accuracy_Assessment:
 Attribute_Accuracy_Value: Number of farm

Attribute_Accuracy_Explanation: 4 farms (TTF21), 3 farms (TTF23), 2 farms (TTF46), 2 farms (TTF13), 1 farms (TTF34), 2 farms (TTF37), 7 farms (TTF8), 2 farms (TTF88), 5 farms (TTF77), 3 farms (TTF22), 3 farms (TTF54), 1 farm (T7), 3 farms (T48)

Lineage:

Process_Step:

Process_Description:

Data were collected through an interview by questionnaire in Tchigo Tegui

and were input into spreadsheet of Excel and processed by Excel

Process_Date: Not complete

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Keiichi Hayashi

Contact_Organization: JIRCAS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Point

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Area point

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Actual situation of land use for Jerma household

Attribute:

Attribute_Label: OID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: C1

Attribute_Definition: Name1

Attribute_Definition_Source: Keiichi Hayashi

Attribute:

Attribute_Label: C2

Attribute_Definition: Name 2

Attribute_Definition_Source: Keiichi Hayashi

Attribute:

Attribute_Label: C3

Attribute_Definition: Household number

Attribute_Definition_Source: Keiichi Hayashi

Attribute:

Attribute_Label: C4

Attribute_Definition: Code

Attribute_Definition_Source: Keiichi Hayashi

Attribute:

Attribute_Label: C5

Attribute_Definition: Identification

Attribute_Definition_Source: Keiichi Hayashi

Attribute:

Attribute_Label: C6

Attribute_Definition: Terroire (sojya)

Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C7
Attribute_Definition: Terroire (Arcview)
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C8
Attribute_Definition: Number of farm
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C9
Attribute_Definition: Production
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C10
Attribute_Definition: Members of family
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C11
Attribute_Definition: Number of persons who work on field
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C12
Attribute_Definition: measured distance between house to field
(m)
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C13
Attribute_Definition: Distance according farmers feeling
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C14
Attribute_Definition: estimed time (mn)
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C15
Attribute_Definition: Indigenous knowledge (local name) of Main
Soil type
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C16
Attribute_Definition: Land management
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C17
Attribute_Definition: Indigenous knowledge (local name) in land
management
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C18
Attribute_Definition: Affiliation of animal
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C19
Attribute_Definition: Length of fallow (year)
Attribute_Definition_Source: Keiichi Hayashi

Attribute:
Attribute_Label: C20

Attribute_Definition: Length of cultivation (year)
 Attribute_Definition_Source: Keiichi Hayashi
 Attribute:
 Attribute_Label: C21
 Attribute_Definition: Crop
 Attribute_Definition_Source: Keiichi Hayashi
 Attribute:
 Attribute_Label: C22
 Attribute_Definition: Other crop
 Attribute_Definition_Source: Keiichi Hayashi
 Attribute:
 Attribute_Label: C23
 Attribute_Definition: Category
 Attribute_Definition_Source: Keiichi Hayashi
 Attribute:
 Attribute_Label: C24
 Attribute_Definition: Management
 Attribute_Definition_Source: Keiichi Hayashi
 Overview_Description:
 Entity_and_Attribute_Overview:
 The data set contains several attributes that are described as
 follow:
 Teroire (sojya)
 Teroire (ArcView)
 Number of farm
 Prod04
 Family
 Labor
 Distance (m)
 Distance (feeling)
 Time (min)
 IK (Main soil type): Indigenous knowledge (local name) of Main
 Soil type
 Land management
 IK Land management: Indigenous knowledge (local name) in land
 management
 Affiriation of animal
 Length of fallow (year)
 Length of cultivation (year)
 Crop
 Other crop
 Category
 Management
 Distribution_Information:
 Distributor:
 Contact_Information:
 Contact_Organization_Primary:
 Contact_Organization: JIRCAS
 Contact_Address:
 Address_Type: mailing and physical
 Address: Japan International Research Center for Agricultural
 Sciences
 City: 1-1, Ohwashi, Tsukuba, Ibaraki,
 Postal_Code: 305 8686
 Country: JAPAN
 Contact_Voice_Telephone: +81 29 838 6330
 Contact_Facsimile_Telephone: +81 29 838 6316

Contact_Electronic_Mail_Address: head@ml.affrc.go.jp
Contact_Electronic_Mail_Address: khayash@jircas.affrc.go.jp
Hours_of_Service: 8:00-17:00 (JST)
Contact_Instructions: http://www.jircas.affrc.go.jp
Resource_Description: Actual situation of land use for Jerma household
Distribution_Liability: Data are restricted. Users who need the data should explore the metadata file and should contact JIRCAS via his physical or mailing address
Standard_Order_Process:
 Digital_Form:
 Digital_Transfer_Information:
 Format_Name: dBase
 Format_Version_Number: 4
 Transfer_Size: 0.025
Metadata_Reference_Information:
 Metadata_Date: 20070117
 Metadata_Contact:
 Contact_Information:
 Contact_Organization_Primary:
 Contact_Organization: ICRISATSC
 Contact_Person: AMADOU M.Laouali
 Contact_Position: Consultant
 Contact_Address:
 Address_Type: mailing and physical address
 Address: BP: 12404
 City: Niamey
 Country: Niamey
 Contact_Voice_Telephone: 0022720722529
 Contact_Facsimile_Telephone: 0022720734329
 Contact_Electronic_Mail_Address: a.m.laouali@cgiar.org
 Hours_of_Service: 8h00am - 16h00pm z+1
 Contact_Instructions: Email address
 Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
 Metadata_Standard_Version: FGDC-STD-001-1998
 Metadata_Time_Convention: local time
 Metadata_Access_Constraints: Restricted
 Metadata_Security_Information:
 Metadata_Security_Classification: Unclassified
 Metadata_Extensions:
 Online_Linkage: http://www.esri.com/metadata/esriprof80.html
 Profile_Name: ESRI Metadata Profile