

Data Set Number 172: area_cropped by sedentary Fulani(HS): Fakara, Niger 2005-2006

Identification_Information:

Citation:

Citation_Information:

Originator: Hitoshi Shinjo

Originator: Keiichi Hayashi

Publication_Date: Unpublished material

Title: area_cropped by sedentary Fulani(HS): Fakara, Niger 2005-2006

Geospatial_Data_Presentation_Form: tabular digital data

Online_Linkage: \\Isc-

svr01\GeoNetwork\fakaradatabase\h.shinjo\area_cropped by sedentary fulani (hs)\area_cropped by sedentary Fulani(HS).dbf

Description:

Abstract: Area of cropping and corralling was investigated for 36 Fulani households settling in Fakara region. These households were selected to represent the whole households in this region in terms of number of livestock and millet yield. The boundaries for each land use was traced with hand-held GPS to estimate the area at the end of the dry seasons in 2005 and 2006. It was found that the average rate of corralling was about 3 Mg ha⁻¹. The newly settled households tended to spread the manure in the more extensive area.

Purpose: To understand the actual situation of corralling in the Fakara region to suggest realistic option for soil fertility improvement.

Time_Period_of_Content:

Time_Period_Information:

Multiple_Dates/Times:

Single_Date/Time:

Calendar_Date: May 2005

Single_Date/Time:

Calendar_Date: May 2006

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

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: 13.52775

G-Ring_Longitude: 2.66024

G-Ring_Point:

G-Ring_Latitude: 13.37954

G-Ring_Longitude: 2.84407

G-Ring_Point:

G-Ring_Latitude: 13.50950

G-Ring_Longitude: 2.77607

Keywords:

Theme:
 Theme_Keyword_Thesaurus: GCMD
 Theme_Keyword: EARTH SCIENCE > Agriculture > Animal Science >
 Animal Management Systems
 Theme_Keyword: EARTH SCIENCE > Agriculture > Soils > Soil
 Fertility
 Place:
 Place_Keyword_Thesaurus: Geographic Names Information System
 Place_Keyword: Niger
 Place_Keyword: Fakara
 Temporal:
 Temporal_Keyword_Thesaurus: none
 Temporal_Keyword: 2005
 Temporal_Keyword: 2006
 Access_Constraints: Within project of JIRCAS/ICRISAT
 Use_Constraints: Not allowed
 Point_of_Contact:
 Contact_Information:
 Contact_Organization_Primary:
 Contact_Organization: KYOTO UNIV
 Contact_Person: HITOSHI SHINJO
 Contact_Position: Assistant professor
 Contact_Address:
 Address_Type: mailing and physical
 City: KYOTO
 Country: JAPAN
 Contact_Voice_Telephone: +81757536101
 Contact_Electronic_Mail_Address: shinhit@kais.kyoto-u.ac.jp
 Hours_of_Service: 9:00-17:00 (UTC+9)
 Native_Data_Set_Environment: Microsoft Excel; dBase; ESRI ArcCatalog
 9.0.0.535
 Data_Quality_Information:
 Attribute_Accuracy:
 Attribute_Accuracy_Report:
 Interview was made by Mr Amadou Sodja, JIRCAS technical assistant
 and H. Shinjo.
 Mr Sodja translated my question in French into Fulani and the
 answer of Fulani back into French. Translation may lose some nuance.
 Positional_Accuracy:
 Horizontal_Positional_Accuracy:
 Horizontal_Positional_Accuracy_Report: For tracing the
 boundaries, a Garmin GPS was used. Positional accuracy was no better
 than 5 m.
 Vertical_Positional_Accuracy:
 Vertical_Positional_Accuracy_Report: NA
 Lineage:
 Process_Step:
 Process_Description: Interview to Fulani households in three
 villages of Fakara area and input the data into spreadsheet of Excel and
 processed them by Excel
 Entity_and_Attribute_Information:
 Detailed_Description:
 Entity_Type:
 Entity_Type_Label: area_cropped by sedentary Fulani (HS)
 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: Year for cropping area
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C2
 Attribute_Definition: Name of Village
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C3
 Attribute_Definition: Code of Farmers
 Attribute_Definition_Source: ILRI
 Attribute:
 Attribute_Label: C4
 Attribute_Definition: Total area
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C5
 Attribute_Definition: Total cropping area
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C6
 Attribute_Definition: Area corralled in the dry season
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C7
 Attribute_Definition: Corraling period (month)
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C8
 Attribute_Definition: Transhumance (TH)
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C9
 Attribute_Definition: Contract corral
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C10
 Attribute_Definition: Contracted cows
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C11
 Attribute_Definition: Owned cows in KH 04, 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C12
 Attribute_Definition: Contracted cows in 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C13
 Attribute_Definition: Entrusted Cows in 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:

Attribute_Label: C14
 Attribute_Definition: Total Cows in 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C15
 Attribute_Definition: Owned SR in KH 04, 050
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C16
 Attribute_Definition: Contracted SR 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C17
 Attribute_Definition: Entrusted SR in 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C18
 Attribute_Definition: Total SR in 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C19
 Attribute_Definition: Cows manure input in 0505(t DM)
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C20
 Attribute_Definition: Cows manure input per ha in 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C21
 Attribute_Definition: % of Cows corralled in 0505
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C22
 Attribute_Definition: Area corralled in the dry season in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C23
 Attribute_Definition: Corralling period (month)
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C24
 Attribute_Definition: Owned Cows in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C25
 Attribute_Definition: Contracted Cows in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C26
 Attribute_Definition: Entrusted Cows 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C27
 Attribute_Definition: Total Cows in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C28

Attribute_Definition: Owned Sheep in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C29
 Attribute_Definition: Contracted Sheep in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C30
 Attribute_Definition: Entrusted Sheep in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C31
 Attribute_Definition: Owned Goat in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C32
 Attribute_Definition: Contracted Goat in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C33
 Attribute_Definition: Entrusted Goat in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C34
 Attribute_Definition: Total SR in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C35
 Attribute_Definition: Cows manure input (DM) in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C36
 Attribute_Definition: Cows manure input per ha in 0605
 Attribute_Definition_Source: Hitoshi Shinjo
 Attribute:
 Attribute_Label: C37
 Attribute_Definition: % of Cows corralled
 Attribute_Definition_Source: Hitoshi Shinjo
 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 (JIRCAS)
 City: 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
 Resource_Description: Downloadable Data
 Standard_Order_Process:
 Digital_Form:
 Digital_Transfer_Information:

Transfer_Size: 0.023
Metadata_Reference_Information:
Metadata_Date: 20070117
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: ICRISATSC
Contact_Person: AMADOU M.Laouali
Contact_Address:
Address_Type: mailing and physical address
Address: BP : 12404
City: Niamey
Country: Niger
Contact_Voice_Telephone: 0022720722529
Contact_Facsimile_Telephone: 0022720734329
Contact_Electronic_Mail_Address: a.m.laouali@cgiar.org
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