

***Data Set Number 151: Answers of individual interviewed farmers to the questions about cropping patternsystem: Fakara, Niger 2004-2005***

Identification\_Information:

Citation:

Citation\_Information:

Originator: Ryoichi Matsunaga

Publication\_Date: 20061201

Publication\_Time: Unknown

Title: Answers of individual interviewed farmers to the questions about cropping patternsystem: Fakara, Niger 2004-2005

Edition: 1st Version

Geospatial\_Data\_Presentation\_Form: tabular digital data

Publication\_Information:

Publication\_Place: Japan

Publisher: Japanese Society for Tropical Agriculture

Online\_Linkage: \\Isc-svr01\GeoNetwork\fakaradatabase\r.matsunaga\answers of individual interviewed farmers to the questions about cropping patternsystem\Answers of individual interviewed farmers to the questions about cropping patternsystem.dbf

Description:

Abstract: Cowpea is mostly planted as an intercrop between pearl millet (*Pennisetum glaucum*) rows around two weeks after planting of millet and weed control was the most important practice during the cropping season. The farmers prefer dual purpose cowpea varieties with desired proportion of grain and fodder yields rather than mainly grain type and fodder type varieties. About two third of the farmers purchase cowpea seeds at the time of planting from the local market, due to strong demand of domestic consumption, sales in the local market for cash after the harvest and poor harvest of cowpea grains.

Purpose: collect latest information about cropping systems, cultural practices, production constraints and farmers' preference in three typical villages in the Sahel.

Time\_Period\_of\_Content:

Time\_Period\_Information:

Range\_of\_Dates/Times:

Beginning\_Date: Jan.8, 2004

Beginning\_Time: unknown

Ending\_Date: March 31 2005

Ending\_Time: unknown

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: 13.52775

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: None  
Theme\_Keyword: cowpea  
Theme\_Keyword: Vigna unguiculata  
Theme\_Keyword: production  
Theme\_Keyword: on farm survey

Place:

Place\_Keyword\_Thesaurus: None  
Place\_Keyword: Fakara  
Place\_Keyword: Sahel  
Place\_Keyword: West Africa

Temporal:

Temporal\_Keyword\_Thesaurus: none  
Temporal\_Keyword: 2004  
Temporal\_Keyword: 2005

Access\_Constraints: Only the case authorized by originator

Use\_Constraints: Only the case authorized by originator

Point\_of\_Contact:

Contact\_Information:

Contact\_Organization\_Primary:  
Contact\_Organization: JIRCAS  
Contact\_Person: Ryoichi Matsunaga  
Contact\_Position: Senior Researcher  
Contact\_Address:  
Address\_Type: mailing and physical  
City: Tsukuba  
Postal\_Code: 305-8686  
Country: Japan  
Contact\_Voice\_Telephone: +81-29-838-6352  
Contact\_Electronic\_Mail\_Address:

ryoichi\_matsunaga@jircas.affrc.go.jp

Hours\_of\_Service: 9:00am - 18:00pm

Contact\_Instructions: Prefer to contact by mailing address

Data\_Set\_Credit: Soja Amadou, ICRISAT-Niamey

Native\_Data\_Set\_Environment: Microsoft Excel; dBase; ESRI ArcCatalog  
9.0.0.535

Cross\_Reference:

Citation\_Information:

Originator: Unknown

Data\_Quality\_Information:

Attribute\_Accuracy:

Attribute\_Accuracy\_Report: About 15-16% of households (57 households) in the three villages were interviewed

Quantitative\_Attribute\_Accuracy\_Assessment:

Attribute\_Accuracy\_Value: Number of interviewed farmers

Attribute\_Accuracy\_Explanation:

Around twenty farmers in each three villages (Bani Zoumbou, Kodey, and Tchigo Tegui).

The total number of households was 145, 135 and 100 in Bani Zoumbou, Kodey, and Tchigo Tegui, respectively.

Lineage:

Process\_Step:  
 Process\_Description: Interview to the cowpea farmers in three villages of Fakara area and input the data into spreadsheet of Excel and processed them by Excel  
 Process\_Date: Unknown  
 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: Answers of individual interviewed farmers to the questions about cropping patternsystem  
 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: Number of interviewed farmers  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C2  
 Attribute\_Definition: Mono or Intercropping system in Millet field  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C3  
 Attribute\_Definition: Mono or Intercropping system in Cowpea field  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C4  
 Attribute\_Definition: Mono or Intercropping system in Groudnut field  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C5  
 Attribute\_Definition: Mono or Intercropping system in Banbara field  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C10  
 Attribute\_Definition: Planting date of Intercropping of Millet 03  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C11  
 Attribute\_Definition: Planting date of Intercropping of Cowpea 03  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C12

Attribute\_Definition: Difference of planting date between millet03 and cowpea03  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C14  
 Attribute\_Definition: Planting date of Intercropping of millet 02  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C15  
 Attribute\_Definition: Planting date of Intercropping cowpea 02  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C16  
 Attribute\_Definition: Difference of planting date between millet02 and cowpea02  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C17  
 Attribute:  
 Attribute\_Label: C18  
 Attribute\_Definition: Planting pattern: number of Cowpea rows  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C19  
 Attribute\_Definition: Planting pattern: number of Millet rows  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C20  
 Attribute:  
 Attribute\_Label: C21  
 Attribute:  
 Attribute\_Label: C22  
 Attribute\_Definition: Harvesting date of Green pods  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C23  
 Attribute\_Definition: Harvesting date of Green pods: Duration  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C24  
 Attribute\_Definition: Harvesting date of Grains  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C25  
 Attribute\_Definition: Harvesting date of Grains: Duration  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C26  
 Attribute\_Definition: Harvesting date of Fodder  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C27  
 Attribute\_Definition: Harvesting date of Fodder:Duration  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C28  
 Attribute:

Attribute\_Label: C29  
 Attribute\_Definition: Practices about Chemical fertilization  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C30  
 Attribute:  
 Attribute\_Label: C31  
 Attribute\_Definition: Practices about Manure fertilization  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C32  
 Attribute\_Definition: Practices about Corraling  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C33  
 Attribute\_Definition: Practices about Weeding  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C34  
 Attribute\_Definition: Practices about Fungicide  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: C35  
 Attribute\_Definition: Practices about Pesticide  
 Attribute\_Definition\_Source: Ryoichi Matsunaga  
 Attribute:  
 Attribute\_Label: N36  
 Overview\_Description:  
 Entity\_and\_Attribute\_Overview:  
 The data set contains some attributes which are sammarizing in the following sections:  
 a. Mono or Intercropping system concerning Millet, Cowpea, Groundnut, Banbara,  
 b. Planting date of Intercropping system  
 c. Planting pattern  
 d. Harvesting date  
 e. Practices: Informations about input utilization like Manure, Corraling, Weeding, Fungicide and Pesticide  
 Entity\_and\_Attribute\_Detail\_Citation:  
 The number of available answers differ according to the requested informations:  
 - For Mono or intercropping systems: The interview was done on 57 farmers among which 55 farmers gave available answers: 2 farmers for monocropping and 53 farmers for intercropping (17 farmers for millet and 36 farmers for millet/Hiv)  
 - For Planting date of Intercropping: 57 farmers among which 54 gave available answer ( 17 June and 30 June for Millet 03 and Cowpea 03 respectively).  
 Always for the planting date we have 49 available answer on 57 farmers : Millet 02 and Cowpea 02 were planted in 13 June and 27 June respectively  
 - Planting pattern: 56 available answers in a total of 57 farmers:  
 Mil rows: 2.4;  
 Cowpea rows: 1  
 - Harvesting date; 49 available answers:  
 Green pods: 65.5, 4 Sept;

Grains : 94.4, 2 Oct;  
 Fodder: 95.4, 3 Oct;  
 - Practices: 57 available answer :  
 Chemical F: 13 or 23%;  
 Manure: 40 or 70%;  
 Corraling: 8 or 14%;  
 Weeding: 56 or 98%;  
 Fongicide: 0 or 0%;  
 Pesticide: 0 or 0%

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: Ohwashi, Tsukuba, Ibaraki,

Postal\_Code: 305 8686

Country: JAPAN

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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:

Format\_Name: dBase

Format\_Version\_Number: 4

Transfer\_Size: 0.034

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

City: Niamey

Country: Niger

Contact\_Voice\_Telephone: 0022720722529

Contact\_Electronic\_Mail\_Address: a.m.laouali@cgiar.org

Hours\_of\_Service: 8h00am - 16h00pm z+1

Contact\_Instructions: email contact

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\_Use\_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