

Data Set Number 154: On farm survey on the cowpea cultivation/Fakara, Niger 2003

Identification_Information:

Citation:

Citation_Information:

Originator: Ryoichi Matsunaga

Publication_Date: 20061201

Title: On farm survey on the cowpea cultivation/Fakara, Niger

2003

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\on farm survey on the cowpea cultivation\On farm survey on the cowpea cultivation.dbf

Description:

Abstract: The local varieties had common traits such as indeterminate spreading growth habit and white seeds with black eye. We found that insect-pests and low plant density should be the major constraints in cowpea production in the study area.

Purpose: The objectice is to understand the stresses constraining performance of the local varieties in order to select and disseminate new cowpea varieties which are adaptable to the local environments and to adoptable to the local farmer in the Sahel.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 30 Sept 2003

Beginning_Time: unknown

Ending_Date: 1 Oct 2003

Ending_Time: unknown

Currentness_Reference: publication date

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: None
 Theme_Keyword: Cowpea
 Theme_Keyword: Vigna unguiculata
 Theme_Keyword: Field survey
 Theme_Keyword: Local variety
 Theme_Keyword: Diseases
 Place:
 Place_Keyword_Thesaurus: None
 Place_Keyword: Sahel
 Place_Keyword: Fakara
 Place_Keyword: Bani Zoumbou
 Place_Keyword: Kody
 Place_Keyword: Tchigo Tégui
 Access_Constraints: Restricted
 Use_Constraints: Restricted
 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 to 6:00pm j+8
 Contact_Instructions: Prefer to contact by mailing address
 Data_Set_Credit:
 Soja Amadou, ICRISAT-NIamey
 Maman Bachir Magagi, ICRISAT-NIamey
 Native_Data_Set_Environment: Microsoft Excel; dBase; ESRI ArcCatalog
 9.0.0.535
 Data_Quality_Information:
 Attribute_Accuracy:
 Quantitative_Attribute_Accuracy_Assessment:
 Attribute_Accuracy_Value: number of surveyed fields
 Attribute_Accuracy_Explanation: 20 cowpea fields around each
 three villages (Bani Zoumbou, Kodey, and Tchigo Tegui) in Fakara
 Lineage:
 Process_Step:
 Process_Description:
 Agronomic traits of local varieties were described
 The incidence of diseases (cercospora leaf spot and golden
 virus) in the surveyed fields was visually scored following a 0 to 5
 scale. All of the data were input into spreadsheet of Excel and
 processed by Excel.
 Process_Date: Unknown
 Process_Contact:
 Contact_Information:
 Contact_Person_Primary:
 Contact_Person: Ryoichi Matsunaga
 Contact_Organization: JIRCAS
 Contact_Address:

Address_Type: mailing and physical
 Address: JIRCAS, 1-1 Ohwashi, Ibaraki 305-8686, Japan
 City: Tsukuba
 Postal_Code: 305-8686
 Country: Hapan
 Contact_Voice_Telephone: +81-29-838-6352

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: On farm survey on the cowpea cultivation

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 Cowpea field
 Attribute_Definition_Source: Ryoichi Matsunaga

Attribute:
 Attribute_Label: C2
 Attribute_Definition: Latitude North
 Attribute_Definition_Source: None

Attribute:
 Attribute_Label: C5
 Attribute_Definition: Longitude Est
 Attribute_Definition_Source: None

Attribute:
 Attribute_Label: C8
 Attribute_Definition: Leaf Shape
 Attribute_Definition_Source: Ryoichi Matsunaga

Attribute:
 Attribute_Label: C9
 Attribute_Definition: Plant type
 Attribute_Definition_Source: Ryoichi Matsunaga

Attribute:
 Attribute_Label: C10
 Attribute_Definition: Maturity
 Attribute_Definition_Source: Ryoichi Matsunaga

Attribute:
 Attribute_Label: C11
 Attribute_Definition: Podding Stage
 Attribute_Definition_Source: Ryoichi Matsunaga

Attribute:
 Attribute_Label: C12
 Attribute_Definition: Podding setting
 Attribute_Definition_Source: Ryoichi Matsunaga

Attribute:
 Attribute_Label: C13
 Attribute_Definition: Importance of Cowpea Deseases

Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C14
Attribute_Definition: Importance of Cowpea Virus
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C15
Attribute_Definition: Color of cowpea seeds
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C16
Attribute_Definition: Soil fertility
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C17
Attribute_Definition: Row ratio of Millet
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C18
Attribute_Definition: Inter-row of Cowpea
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C19
Attribute_Definition: Intra-row of Cowpea
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C20
Attribute_Definition: density of Cowpea plant
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C21
Attribute_Definition: Inter-row of Millet
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C22
Attribute_Definition: Intra-row of Millet
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C23
Attribute_Definition: Density of Millet plant
Attribute_Definition_Source: Ryoichi Matsunaga
Attribute:
Attribute_Label: C24
Overview_Description:
Entity_and_Attribute_Overview:
the Data set contains to types of data : qualitaive and
quantitative data:
the quantitative data concercent the eight last attributes on
crop (millet and cowpea)informations.
the qualitative data are codified and relate to attributes like:

- Leaf Shape,
- Attribute Plant type,
- Attribute Maturity Gp,
- Attribute Podding Stage,
- Attribute Pd setting,
- Attribute Deseases,
- Attribute Virus,

- Attribute Sd Color,
 - Soil fertility,
 Data set overview:

	row ratio	inter-row	intra-row
Pt density	Millet	Cowpea	Cowpea
Cowpea			
1	1.6		1.5
4167			
2	4.1		1.8
1355			
2	2.2		1.4
3247			
2	2.9		1.5
2299			
2	2.6		1.7
2262			
2	2.9		2.7
1277			
3	3.5		1.6
1786			
1.3		0.9	
8547			
2	2.8		2.5
1429			

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

Contact Electronic Mail Address: head@ml.affrc.go.jp

Contact Instructions: <http://www.jircas.affrc.go.jp>

Resource Description: On farm survey on the cowpea cultivation in the Sahelian zone

Standard Order Process:

Digital Form:

Digital Transfer Information:

Format Name: dBase

Format Version Number: 4

Transfer Size: 0.019

Metadata Reference Information:

Metadata Date: 20070117

Metadata Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: ICRISAT

Contact Person: AMADOU M.Laouali

Contact Position: Consultant

Contact Address:

Address_Type: mailing and physical address
Address: PB: 12404
City: Niamey
Country: Niger
Contact_Voice_Telephone: 0022720722626
Contact_Electronic_Mail_Address: a.m.laouali@cgiar.org
Hours_of_Service: From 8h00am to 16h00pm z+1
Contact_Instructions: Contact by 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_Security_Information:
Metadata_Security_Classification: Unclassified
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile