

***Data Set Number 183: Layout of the multilocal multifactorial (genotype, mineral fertilizer, manure) experiment conducted in 2003, 2004, 2005 (Niger)***

Identification\_Information:

Citation:

Citation\_Information:

Originator: ICRISAT

Publication\_Date: 2005

Title: Layout of the multilocal multifactorial (genotype, mineral fertilizer, manure) experiment conducted in 2003, 2004, 2005 (Niger)

Geospatial\_Data\_Presentation\_Form: vector digital data

Publication\_Information:

Publication\_Place: ICRISAT Niamey

Description:

Abstract: Field layout of multilocal experiments 2003-2005. The field layout was surveyed for the three sites with a Trimble differential GPS. No mapping update was performed for the manure blocks added in 2004 et 2005.

Purpose: Mapping of the field layout and extract spatial information from other layers at the experiment, block or plot scale. Georeference soil samples at the plot scale

Supplemental\_Information: Attributes missing for Kodey site

Time\_Period\_of\_Content:

Time\_Period\_Information:

Single\_Date/Time:

Calendar\_Date: 2003

Currentness\_Reference: ground condition

Status:

Progress: Complete

Maintenance\_and\_Update\_Frequency: None planned

Spatial\_Domain:

Bounding\_Coordinates:

West\_Bounding\_Coordinate: 2.645041

East\_Bounding\_Coordinate: 2.855856

North\_Bounding\_Coordinate: 13.521589

South\_Bounding\_Coordinate: 13.379592

Keywords:

Theme:

Theme\_Keyword\_Thesaurus: none

Theme\_Keyword: Microdose

Theme\_Keyword: Mineral fertilizer

Theme\_Keyword: NPK

Theme\_Keyword: DAP

Theme\_Keyword: Transported manure

Theme\_Keyword: Organic manure

Theme\_Keyword: Plot layout

Place:

Place\_Keyword\_Thesaurus: none

Place\_Keyword: Fakara

Place\_Keyword: Dantchandou

Place\_Keyword: Bagoua

Place\_Keyword: Kodey

Place\_Keyword: Banizoumbou

Place\_Keyword: Niger

Place\_Keyword: West Africa

Temporal:  
 Temporal\_Keyword\_Thesaurus: none  
 Temporal\_Keyword: 2003  
 Access\_Constraints: Free distribution  
 Use\_Constraints: Cite when used  
 Point\_of\_Contact:  
 Contact\_Information:  
 Contact\_Person\_Primary:  
 Contact\_Person: Bruno Gerard  
 Contact\_Organization: ICRISAT, Universite Catholique de Louvain  
 Contact\_Position: Principal scientist  
 Contact\_Address:  
 Address\_Type: mailing  
 Address: b.gerard@cgiar.org  
 Address: brugerard@yahoo.com  
 Address: gerard@enge.ucl.ac.be  
 City: Louvain la Neuve  
 Country: Belgium  
 Data\_Set\_Credit: Bruno Gerard, Dougbedji Fatondji, and Comfort Manayame  
 Security\_Information:  
 Security\_Classification: Unclassified  
 Native\_Data\_Set\_Environment: Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.2.0.1324  
 Data\_Quality\_Information:  
 Positional\_Accuracy:  
 Horizontal\_Positional\_Accuracy:  
 Horizontal\_Positional\_Accuracy\_Report: Mapping error < 0.5 m  
 Lineage:  
 Process\_Step:  
 Process\_Description: Metadata imported.  
 Spatial\_Data\_Organization\_Information:  
 Direct\_Spatial\_Reference\_Method: Vector  
 Point\_and\_Vector\_Object\_Information:  
 SDTS\_Terms\_Description:  
 SDTS\_Point\_and\_Vector\_Object\_Type: G-polygon  
 Point\_and\_Vector\_Object\_Count: 513  
 Spatial\_Reference\_Information:  
 Horizontal\_Coordinate\_System\_Definition:  
 Planar:  
 Grid\_Coordinate\_System:  
 Grid\_Coordinate\_System\_Name: Universal Transverse Mercator  
 Universal\_Transverse\_Mercator:  
 UTM\_Zone\_Number: 31  
 Transverse\_Mercator:  
 Scale\_Factor\_at\_Central\_Meridian: 0.999600  
 Longitude\_of\_Central\_Meridian: 3.000000  
 Latitude\_of\_Projection-Origin: 0.000000  
 False\_Easting: 500000.000000  
 False\_Northing: 0.000000  
 Planar\_Coordinate\_Information:  
 Planar\_Coordinate\_Encoding\_Method: coordinate pair  
 Coordinate\_Representation:  
 Abscissa\_Resolution: 0.000000  
 Ordinate\_Resolution: 0.000000  
 Planar\_Distance\_Units: meters  
 Geodetic\_Model:

Horizontal\_Datum\_Name: D\_WGS\_1984  
 Ellipsoid\_Name: WGS\_1984  
 Semi-major\_Axis: 6378137.000000  
 Denominator\_of\_Flattening\_Ratio: 298.257224  
 Entity\_and\_Attribute\_Information:  
   Detailed\_Description:  
     Entity\_Type:  
       Entity\_Type\_Label: Fakara\_exp\_layout2003  
     Attribute:  
       Attribute\_Label: FID  
       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: Shape  
       Attribute\_Definition: Feature geometry.  
       Attribute\_Definition\_Source: ESRI  
       Attribute\_Domain\_Values:  
         Unrepresentable\_Domain: Coordinates defining the features.  
     Attribute:  
       Attribute\_Label: ID  
       Attribute\_Definition: Identification field  
       Attribute\_Definition\_Source: Bruno Gerard  
     Attribute:  
       Attribute\_Label: BLOCK  
       Attribute\_Definition: Manuring block  
       Attribute\_Definition\_Source: Bruno Gerard  
       Attribute\_Domain\_Values:  
         Enumerated\_Domain:  
           Enumerated\_Domain\_Value: Corralled 2001  
           Enumerated\_Domain\_Value\_Definition: Plots where manure was  
 applied in 2001  
           Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
         Enumerated\_Domain:  
           Enumerated\_Domain\_Value: TM  
           Enumerated\_Domain\_Value\_Definition: Transported manure in  
 2003  
           Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
         Enumerated\_Domain:  
           Enumerated\_Domain\_Value: Corralled 2002  
           Enumerated\_Domain\_Value\_Definition: Plots where manure was  
 applied in 2002  
           Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
         Enumerated\_Domain:  
           Enumerated\_Domain\_Value: Corralled 2003  
           Enumerated\_Domain\_Value\_Definition: Plots where manure was  
 applied in 2003  
           Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
         Enumerated\_Domain:  
           Enumerated\_Domain\_Value: NM  
           Enumerated\_Domain\_Value\_Definition: Plots which did not  
 received any manure  
           Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
     Attribute:  
       Attribute\_Label: VILLAGE

Attribute\_Definition: Village in which the experiment was conducted  
 Attribute\_Definition\_Source: Bruno Gerard  
 Attribute\_Domain\_Values:  
   Enumerated\_Domain:  
     Enumerated\_Domain\_Value: Banizoumoubou  
     Enumerated\_Domain\_Value\_Definition: Village of Banizoumoubou  
     Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
   Enumerated\_Domain:  
     Enumerated\_Domain\_Value: Kodey  
     Enumerated\_Domain\_Value\_Definition: Village of Kodey  
     Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
   Enumerated\_Domain:  
     Enumerated\_Domain\_Value: Bagoua  
     Enumerated\_Domain\_Value\_Definition: Village of Bagoua  
     Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
 Attribute:  
   Attribute\_Label: TREATMENT  
   Attribute\_Definition: Combination of Fertilizer and Genotype factor levels  
   Attribute\_Definition\_Source: Bruno Gerard  
   Attribute\_Domain\_Values:  
     Enumerated\_Domain:  
       Enumerated\_Domain\_Value: DAP  
       Enumerated\_Domain\_Value\_Definition: Diamonium phosphate applied at 2 g/hill at planting  
       Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
     Enumerated\_Domain:  
       Enumerated\_Domain\_Value: DAP+U  
       Enumerated\_Domain\_Value\_Definition: Diamonium phosphate applied at 2 g/hill at planting and urea applied at 1 g/hill at tillering  
       Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
     Enumerated\_Domain:  
       Enumerated\_Domain\_Value: NF  
       Enumerated\_Domain\_Value\_Definition: No mineral fertilizer applied  
       Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
     Enumerated\_Domain:  
       Enumerated\_Domain\_Value: Local  
       Enumerated\_Domain\_Value\_Definition: Millet landrace  
     Enumerated\_Domain:  
       Enumerated\_Domain\_Value: ICMV89305  
       Enumerated\_Domain\_Value\_Definition: Millet improved cultivar ICMV89305  
       Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
     Enumerated\_Domain:  
       Enumerated\_Domain\_Value: Zatib  
       Enumerated\_Domain\_Value\_Definition: Millet improved cultivar Zatib  
       Enumerated\_Domain\_Value\_Definition\_Source: Bruno Gerard  
 Distribution\_Information:  
   Distributor:  
     Contact\_Information:  
       Contact\_Organization\_Primary:  
         Contact\_Organization: ICRISAT  
         Contact\_Person: Bruno Gerard

Contact\_Position: Principal Scientist  
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Address: Unite de recherche en Environnement et Geomatique;  
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City: Louvain-la-Neuve  
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Contact\_Voice\_Telephone: +32477203899  
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Contact\_Electronic\_Mail\_Address: b.gerard@cgiar.org  
Resource\_Description: Layout of the multilocational multifactorial  
(genotype, mineral fertilizer, manure) experiment conducted in 2003,  
2004, 2005  
Standard\_Order\_Process:  
Digital\_Form:  
Digital\_Transfer\_Information:  
Format\_Name: Microsoft Office Excel  
Transfer\_Size: 0.067  
Metadata\_Reference\_Information:  
Metadata\_Date: 20070130  
Metadata\_Contact:  
Contact\_Information:  
Contact\_Organization\_Primary:  
Contact\_Organization: REQUIRED: The organization responsible  
for the metadata information.  
Contact\_Person: REQUIRED: The person responsible for the  
metadata information.  
Contact\_Address:  
Address\_Type: REQUIRED: The mailing and/or physical address for  
the organization or individual.  
City: REQUIRED: The city of the address.  
State\_or\_Province: REQUIRED: The state or province of the  
address.  
Postal\_Code: REQUIRED: The ZIP or other postal code of the  
address.  
Contact\_Voice\_Telephone: REQUIRED: The telephone number by which  
individuals can speak to the organization or individual.  
Metadata\_Standard\_Name: FGDC Content Standards for Digital Geospatial  
Metadata  
Metadata\_Standard\_Version: FGDC-STD-001-1998  
Metadata\_Time\_Convention: local time  
Metadata\_Extensions:  
Online\_Linkage: <http://www.esri.com/metadata/esriprof80.html>  
Profile\_Name: ESRI Metadata Profile