African Market Information Systems & Related Development Information Portals

M.T. Weber and other colleagues in Africa & MSU Ag. Economics Food Security Group

FS III Cooperative Agreement USAID/MSU - June 2006
Overview Comments

• Country and Regional ICT Portals for Market Information

• Using and Linking with On Going Information Portals

• Learning from Trying: Providing Information for Country-Level Clients

• Learning from Central America on Bundling Information with Action
Country-Level Mkt Info Systems

Sistema De Informação De Mercados Agrícolas De Mozambique (SIMA)

Ministério da Agricultura
Direcção de Economia
Departamento de Estatística

Telefoné: 21 46 01 31 / 21 46 01 45
Fax: 21 46 01 45 / 21 46 02 96
Email: sima@map.gov.mz
CIPE Sponsored Workshop - Learning from MIS in Mali, Mozambique and Zambia *
Progressive Steps MIS Design & Implementation

I. Strategies and Actions for Customer-Service
   - Spirit of serving private & public clients

II. Options to Promote Outreach/Dissemination
    - Constant targeting & reassessing needs

III. Steps to Capacity Building/Quality Upgrade
    - Build staff skills to better understand markets

IV. Guidelines for Effective Administration
    - Progress comes over the longer-run.
    - Look at South American experiences.
Sustainability-Derives Primarily From Gradual Public & Private Mutual Reinforcement

• Govt can come to trust mkts
• Private actors can pay partly but help the most in pressuring govt. to invest in needed hardware & software
• Strategic public goods are needed to help institute effective private markets
• National & regional markets dominate
<table>
<thead>
<tr>
<th>Category</th>
<th>Name/Commodity</th>
<th>Web Site</th>
<th>Translate Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Bank: Many</td>
<td>Maize, Rice, Wheat, Soybeans, Cotton, Tea, Coffee, Cocoa, Sugar, Wool, etc</td>
<td>Pink Sheet</td>
<td>Translate</td>
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<td>Maize/Wheat</td>
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<td>InBev Wholesale Produce</td>
<td>Fruit &amp; Veg</td>
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<td>Virtual Mkt Info</td>
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<td>FoodNet-CGIAR</td>
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<td></td>
<td>Trade-Africa.Biz</td>
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Africa Regional Supply and Trade Information

<table>
<thead>
<tr>
<th>Supply Situation</th>
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<td></td>
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<td>Coffee Situation</td>
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<td></td>
<td>Tree Nut Situation</td>
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<td></td>
<td>CTA AgriTrade</td>
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<td></td>
<td>USDA Commodity</td>
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<td>USDA Calendar</td>
<td>NASS</td>
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<td></td>
<td>World News Network</td>
<td>Crops Daily</td>
<td>Translate</td>
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<th>Trade Info.</th>
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<th>Translate</th>
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<td>AGOA-Info</td>
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<td></td>
<td>COMESA</td>
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<td>Translate</td>
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<td>ECOWAS</td>
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<td></td>
<td>RATIN</td>
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<td>Global Edge-Africa Region</td>
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<td>Agricultural Market Access Database</td>
<td>AMAD</td>
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</table>
Market Information
Spotlighting Country-Level Information and Contributions

AMIS-Africa Online
African Country-Level Agri-Food Market Information Reports

Click on a green country on the map above or, if you prefer, use the text links below.

Online Demo/Explanation - TRANSLATE-
Country-Level Focus & Regional Access

AMIS Africa-Online
Agri-Food Market Systems Reports for: Mozambique

MINISTERIO DA AGRICULTURA E DESENHOLVIMENTO RURAL (MADER):
- National Monthly Bulletin
- National Weekly Bulletin
- Market Analysis Bulletin

DIRECCION NACIONAL DO COMERÇO (DINIC): Bulletins and Reprints
- National Monthly Bulletin
- Market Analysis Bulletins

FEWS NET-Mozambique Reports
FEWS NET-Southern Africa

To visit neighboring countries, hover over the country on the above map to see if there is a link. If there is a link then click.
Examples of Important Existing Information Portals

- SARPN Southern Africa – Country and Topics
- AVLIN African Virtual Library Network
- African Crops Research Portal - RF
- Development Gateway – Country Gateways
- Development Gateway – Global Portal
- ELDIS Portal - Topic and Country Portals
MSU Approach to Improving Research Mentoring the Write Up & Publishing of Preliminary Results for Clients – Working Papers & Policy Briefs

- Mozambique-Based Publications
  - Flash: MADER-Directorate of Economics
  - MzRP: Research Paper Series, Ministry of Agriculture and Rural Dev
  - Directorate of Economics.
  - Theses Reprints: by MSU graduate students supported by the projec
  - Policy Presentations:
  - Quente-Quente: National weekly SIMA bulletin
  - Esiapo: Weekly bulletin for Nampula
  - Survey Instruments and Data Documentation
- Rwanda-Based Publications
  - RwRR: Research Report-Food Security Research Project (FSRP) and
  - of Agricultural Statistics (DSA) Ministry of Agriculture, Livestock and
  - MINAGRI
  - RwPB: FSRP/DSA Policy Brief
  - Survey Instruments and Data Documentation
- Zambia-Based Publications
  - ZamPB: Policy Brief
  - ZamWP: Food Security Research Project Working Paper
  - Survey Instruments and Data Documentation
- MSU-Based Publications and/or Contributions to Professional Publications-
  Journals
  - AgEconSP: MSU Agricultural Economics Staff Paper
  - IDP: MSU International Development Paper (Also available from Re
  - RePEc MSU-1DP's - RePEc Access/download stats )
  - IDWP: MSU International Development Working Paper (Also availab
  - RePEc: MSU-IDWP's - RePEc Access/download stats)
Distribute Entire Mozambique and other FS III WEB Site Full Text Materials & Adobe Reader on a CD for Up-Country and Users with No/Bad Internet Connection

• Keep the Moz & Other Country-Level Web Sites
  MODEM FRIENDLY
  • Few Graphics & Small pdf’s
  • Docs in Portuguese & Eng.
  • E-mail Quarterly Update
Complement Mozambique & Other Country-Level Web Pages - Create On-Line Cross-Cutting Topic Directories To Spotlight Cumulative Research Results

Cross-Country Research and Outreach Topic Directories

- Effects of Prime-Age Adult Mortality on Rural Households in Africa
- Agricultural Input Use, Input Market Development and Natural Resource Management
- A Partnership to Build a Food Security and Food Policy Information Portal (FSIP for Africa)
- Food and Agriculture Output Market Development and Reform (coming soon)
- Food and Agriculture Market Information System Development
- Linking Emergency and Development
- Rural Household Income Analysis and Policy (coming soon)

FS III In-Country/Regional Activities and Publication Directories

- Mozambique Productivity and Policy
- Sahel Region
- Mali Food Security Initiative
- Mali Market Information
Learning From Trying: Using ICT Tools to Support Regional Policy Networks

• Leaders of Each Network Met in Addis in 2003 to Identify One Practical Project to Attempt Giving Support to Country-Level Clients
• Develop & Share a Multilingual Proof of Concept Portal
• Experiment: Finding Skill Building Resources
• Experiment: Spotlight Country-Level Outputs
• Humbling Process – Good Ideas are not Enough: Competing for Resources and Time
UNECA SDD – Focus on Land Policy

African countries must reexamine land redistribution processes to address conflicts, says Abdoulie Janneh

By Yinika Adeyemi, 27 March 2006 Addis Ababa

African countries must address conflicts and human rights violations by addressing their underlying causes such as insecurity of land rights, bad governance and bad management of land and natural resources, Abdoulie Janneh, United Nations Under-Secretary General and Executive Secretary of ECA, said today in Addis Ababa.

Full text of Mr. Abdoulie Janneh’s speech

LAND POLICY IN AFRICA: A Framework of Action to Secure Land Rights, Enhance Productivity and Secure Livelihoods

Press Release: African Water Ministers Call for Early Warning System to Mitigate Water-Related Disasters

Mexico City, 19 March 2006: African water ministers attending the World Water Forum in Mexico City today said they would promote cooperation on the development of effective early warning systems for the prevention and mitigation of water-related disasters and called on development partners to support Africa’s efforts in this regard.

ECA @ the 4th World Water Forum March

16-22 March 2006, Mexico City, Mexico


Workshop on Trade and Environment Opens in ECA

By Yinika Adeyemi, 15 February 2006

UNECA- Development Information DSDD

**United Nations Economic Commission for Africa**

**Harnessing Information for Development**

**News and Information**

- **Promouvoir les TICs au service du développement par le dialogue entre parties prenantes**
  8 June 2006

  Un atelier de trois jours visant à renforcer les capacités des décideurs d’Afrique centrale en matière d’élaboration de politiques de développement prenant appui sur les TICs a ouvert ses travaux à Douala, Cameroun le 7 juin 2006. Il est organisé par la CEA ainsi que d’autres partenaires.

- **African Private Sector to hold Information Society workshop**
  8 June 2006

  The Economic Commission for Africa (ECA) in collaboration with the Government of the Republic of Tunisia, Eljazala Technoparc and Softopia Technoparc of Japan are holding a workshop on ‘Involving the African Private Sector in building the Information Society’ from 8-9 June 2006 in Tunis.

- **ECA@WSIS: A report on ECA activities during the World Summit on the Information Society**

  On 21 December 2001, the United Nations General Assembly adopted Resolution 56/183 on the organization of a World Summit on the Information Society (WSIS), recognizing the urgent need to harness the potential of knowledge and technology for promoting the goals of the United Nations Millennium Declaration, and to find effective and innovative ways to put this potential at the service of development for all.

- **Meeting agrees on addressing e-learning at policy level**
  By Mercy Wambui, 29 May 2006
With African Partners, Develop an Internet **Portal** for Finding and Spotlighting Gray Literature And Locating Professional Skill Building Tutorials
Include a Section on: **Skill Building** Tutorials and Readings

- In English, French and Portuguese
Assist Researcher in Finding Topic Web Sites & Gray Literature – Food/Ag. Research
Finding Web Sites and Gray Literature - Health

Mozambique Health

Search Now-General
- Quick Search the Web
- Quick Search this Site
- Search Now-Scientific
- Google Scholar
- PubMed
- AGORA-Sci Abstract
- OAster
- HINARI-PuMed

Building Professional Skills
- Internet Search
- Library Info
- Distance Learning
- Economics-Social Sciences
- Food Security/Food Policy
- Statistical Analysis
- Software Help
- Language Translation
- Management Resources
- Policy Research
- Policy Briefs
- Presentations
- Posters
- Writing
- Journalism
- Proposals/Grants
- Websites

Research Papers: Country-Specific
- No links of this type are available yet

Research Papers: Topic-Specific
- No links of this type are available yet

Build Your Own Research Skills
- A mini-tutorial will be written and placed here with the goal of sharpening internet searching skills in this specific topic area.

Policy Briefs & Papers: Country-Specific
- No links of this type are available yet

Policy Briefs & Papers: Topic-Specific
- No links of this type are available yet

Web Sites: Country-Specific
- INGS-MINSA - Instituto Nacional de Saúde de Ministério de Saúde de Moçambique (Centro de Documentação)
- UNICEF (United Nations Children's Fund, Operating in Arabic, French and English)
- Mozambique health, nutrition and related information
- Mozambique Health Profile
- World Health Organization
- Mozambique Country Portal for Health Activities
- WHO Mozambique Documentation Center Guide to WHO Documentation (Where to Find It, How to Get It, How to Link)
- Mozambique Country Portal for Health Activities

Web Sites: Topic-Specific
- CDC (Centers for Disease Control and Prevention)
- Topic Site Index
- ebioPORT: A project coordinated by the ehealth team at WHO
- HINARI - Health Information Access to Research Initiative
- INASP - Health (in English and French): A cooperative network of more than 1000 organizations and individuals worldwide, working together to improve access to relevant, reliable information for health professionals in developing and emerging countries
- UN/CEFA/ICTA - Portal for Internet Health Resources

Research Papers: Country-Specific
- No links of this type are available yet

Research Papers: Topic-Specific
- Free digital archive of biomedical and life sciences journal literature from PubMed Central (PMC) of the U.S. National Institutes of Health
- HighWire - An international public resource: a journal that provides an open-access venue for important, peer-reviewed advances in all disciplines
- See all links of this type

Policy Briefs & Papers: Country-Specific
- No links of this type are available yet

Policy Briefs & Papers: Topic-Specific
- No links of this type are available yet

Build Your Own Research Skills
- A mini-tutorial will be written and placed here with the goal of sharpening internet searching skills in this specific topic area.

Once skills are perfected, we invite you to submit your own suggestions for effective search rules, distinctive search words in this topic area and other smart linguistic analysis for words in text. A team of editors will review these to select unique and effective suggestions to be added here for others to use. If you so indicate, we will include your name and email address, and assume you are willing to interact with others on research/search strategies in the topic area.

AgroNet - A collection of gateway sites which provide access to evaluated, quality Internet resources in the health and life sciences by University of Nottingham Greenfield Medical Library

Rules/HC/EC Health Access Guide

Guidelines on scientific searching in the topic area
- FSIP editorial suggestions with hot links
- HSST - Health International Access to Research Initiative
- SHARE Global/Standard for Health and Research for Development
- Web site for sharing health information from around the globe
- Find people and their activities like projects, journals, articles, abstracts, real-time health news and mailing list postings from Asia, Africa, Europe, North and South America
- Resource for International Librarians, Health Professionals and Researchers in Developing Countries
- National Library of Medicine, National Institute of Health

See all links of this type
UNECA- Development Information DSDD

**United Nations Economic Commission for Africa**

**Harnessing Information for Development**

**News and Information**

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INSAH Portal and Link to Data Bases & FSIP Portal
Présentation

L'Institut du Sahel (INSAH) est une institution spécialisée du CILSS chargée de la coordination, de l'harmonisation et de la promotion de la recherche scientifique et technique dans les pays du Sahel.

Ces dernières années, l'INSAH a développé une série de bases de données pour aider au développement de la coopération scientifique et technique entre les acteurs des systèmes nationaux de recherche en agriculture, en élevage et en population et développement des pays membres du CILSS à travers une facilitation à l'accès à la connaissance et à l'information.

Il s'agit des Bases de Données Pesticides, Répertoire sur les expertises et les technologies appropriées dans la sous région, Profils socio-économiques des pays de la sous région et des Publications scientifiques produites par l'Institut.

Cette section du site de l'INSAH (dont le développement n'est pas encore achevé) n'a pas pour ambition de remplacer les informations générales sur les activités qui tournent au tour des BD et qui se sont disponibles sur le site INSAH.

Bien au contraire, ce site vient compléter les informations existantes en fournissant un outil d'interrogation des Bases de Données.
Digital Library Portals

UN-ECA DISD & SED in cooperation with African Food Security/Policy networks & NEA Agriculture Economics

Food Security and Food Policy Information Portal for Africa

Library Information

Choose a Topic
- Introduction
- Current News
- Early Warning
- Government
- Food Agriculture
- Crops
- Livestock
- Research
- Biotechnology
- Extension
- Marketing
- Trade
- Finance
- Agribusiness
- Rural Development
- Poverty Reduction
- Gender/WID
- Natural Resources
- Environment
- African Studies
- Donor Portals
- Population
- Health
- Nutrition
- HIV/AIDS
- Education
- Maps & GIS
- ICT

Library Information

Featured Links

Web Sites: English
- AGORA Access to Global Online Research in Agriculture
- HINARI Health InterNetwork Access to Research Initiative, provides free or very low cost online major journals in biomedical and related social sciences to local, not-for-profit institutions in developing countries
- ITOC etc Information Training and Outreach Centr For Agriculture, is the secretariat for the International Training and Outreach Center for Agriculture. The Center provides training opportunities on a wide range of topics related to agricultural development, including crop production, livestock, and natural resource management.
- FAO/WHO/HINARI programming in the region
- AVLIB African Virtual Library and Information Network
- QAIEE Online Access to Research in the Environment, The World Bank's Knowledge Access to Environment in the Environment (QAIEE) Program provides access to key environmental information and resources.

Web Sites: French
- AGORA - Système de recherche mondiale en ligne sur l'agriculture
- HINARI
- ITOC etc Information Training and Outreach Centr For Agriculture
- FAO/WHO/HINARI programming in the region
- LIBER Le Groupe des Bibliothèques Européennes de Recherche
- Université de Sherbrooke: Plan du site du Service des bibliothèques de l'Université de Sherbrooke

Web Sites: Portuguese
- AGORA (Español) Acceso a la Investigación Mundial en líneas en el Sector Agrícola
- HINARI Iniciativa InterRed de Acceso a Pesquisa
- ITOC etc Information Training and Outreach Centr For Agriculture
- FAO/WHO/HINARI programming in the region

Suggestions for...
- Web Sites
- Research Papers
- Policy Briefs
- Internet Search Techniques
- Reporting Non-Working Links
Linking Research & Policy Outreach
Learning - Central American Experiences Bundling Market Info.

- Tied Information to Hardware
- Tied Data to Analysis
- Tied Market Information to Inform Production Planning for Local, Regional and International Markets, Not Just Selling Focusing on Selling What is Already Produced
- Tied Analysis to Farmers & Trader Outreach
Costa Rica-Wholesale Market Reform & Related Market Development Services

PIMA-- Key Services CENADA-PIMA

- New Wholesale Market Facilities (Cereals & FFV)
- Market Price and Supply Information-Collect and Diffuse Strategic Information
- Marketing Extension to Improve Production Quality and Production Coordination
- Foment Farmer Market Organization
- Improve Cold Storage and Ripening Services
Major Urban Infrastructure Needs

Downtown San Jose-Wholesale Market & Surrounding Street/Warehouse Congestion – New Wholesale Mkt Opened 1981
CENADA Wholesale Market Facilities (March 2002)

Wholesale Fresh Fish Market Building

Ample Truck & Merchant Operating Space/Facilities

Greatly Improved Sanitation
Using Effectively Market Price, Volume and Product Information

COMERCIALIZACION HORTIFRUTICOLA EN CENADA

HORTALIZAS

Al abrir cualquiera de los productos tendrá la opción con clic derecho a ver en pantalla completa la información referente al producto seleccionado o a abrirlo directamente en PowerPoint.

APIO VERDE
LECHUGA AMERICANA
REMOLACHA
ZANAHORIA
CHILE DEMEC
PAPA
ROJOLLO

CELANTRO CASTILLA
PEPINO
TOMATE
CEBOLLA
COLEFLOR
PLATANO VERDE
TUCA PARAÑADA
Origin of products arriving at the CENADA wholesale market:

Tomato comes mostly from the counties (cantones) of Alajuela, San Ramón, Naranjo, Grecia, Valverde Vega, Santa Barbara, Tilarán, Paraíso and Palmares.

Basics specifications for marketing tomatoes in the CENADA market

Minimum Characteristics
Tomatoes must be fresh, consistent, clean, whole, free of external humidity, free of insect damages, no severe deformations, free of foreign matters and free of rotting due to fungi and bacteria.

Grades:
First: The tomatoes must be of good quality, free of open cracks. Acceptable are slight defects of form and development, discoloration, slight skin defects, and light bruises. Maturity level between green and ripe.
Second: This category includes those that cannot be classified in the first category, but display the minimum characteristics. They must be firm and have no unhealed cracks. The following defects are admitted if the product maintains its essential characteristics of quality and presentation: defects of form, development and skin discoloration, defects or bruises, whenever they do not damage the fruit seriously, healed cracks of 3 cm maxima in length.
Third: This category includes those that cannot be classified in the higher categories, but that correspond to the second category and they can display healed cracks of more than 3 cm in length.

Tolerences
First: 10% in number or weight of tomatoes that do not correspond to the characteristics of the category, but fit into the second category.
Second: 15% in number or weight of tomatoes that do not correspond to the characteristics of the category, nor to the minimum characteristics. This excludes rotten products or alterations that make them improper for consumption.
Third: 20% in number or weight of tomatoes that do not correspond to the characteristics of the category, nor to the minimum characteristics. This excludes rotten products or alterations that make them improper for consumption.

Defects

1. Fruit deformed
2. Mechanical damage
3. Rotted
4. Fungus
Volume & Price Guidelines

TOMATO

Classification according to weight:

First fruits 180 to 265 g.
Second fruits 10c to 114 g.
Third fruits 77 g.

Marketing unit at the wholesale level:

The marketing container is the plastic box. It holds 68 to 100 first class tomatoes, 175 to 198 second class fruits and 265 tomates of third class. Presents a gross weight average of 19 kg.

Patterns of behavior of monthly price and quantity supplied: Interpretation.

Through a graph of the annual behavior of prices and quantity supplied it is possible to appreciated in which time of the year prices are normally higher or there is greater or smaller amounts of the product in the market.

Seasonal Indexes

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<th>Month</th>
<th>Supply</th>
<th>Price</th>
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<tbody>
<tr>
<td>JAN</td>
<td>0.8854</td>
<td>0.9995</td>
</tr>
<tr>
<td>FEB</td>
<td>0.931</td>
<td>0.8159</td>
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<tr>
<td>MAR</td>
<td>1.0409</td>
<td>0.7331</td>
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<tr>
<td>APR</td>
<td>0.9208</td>
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<tr>
<td>MAY</td>
<td>0.9804</td>
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<tr>
<td>JUN</td>
<td>0.9556</td>
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<td>SEP</td>
<td>1.164</td>
<td>0.7576</td>
</tr>
<tr>
<td>OCT</td>
<td>1.0455</td>
<td>0.9255</td>
</tr>
<tr>
<td>NOV</td>
<td>0.9462</td>
<td>1.3643</td>
</tr>
<tr>
<td>DEC</td>
<td>0.9072</td>
<td>1.5409</td>
</tr>
</tbody>
</table>

CHEMICAL COMPOSITION PER 100 g OF EDIBLE PORTION

<table>
<thead>
<tr>
<th>Producto</th>
<th>Valor Energetico</th>
<th>Humedad</th>
<th>Protein g</th>
<th>Grasa g</th>
<th>Carbohidratos totales g</th>
<th>Fibra g</th>
<th>Ceniza g</th>
<th>Ca mg</th>
<th>P mg</th>
<th>Fe mg</th>
<th>Vit A act. mcg</th>
<th>Tiamina mg</th>
<th>Riboflavina mg</th>
<th>Nacina mg</th>
<th>Acido Ascórbico mg</th>
<th>Porción no comestible %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomate</td>
<td>21</td>
<td>93.8</td>
<td>0.8</td>
<td>0.3</td>
<td>4.6</td>
<td>0.6</td>
<td>0.5</td>
<td>7</td>
<td>24</td>
<td>0.6</td>
<td>180</td>
<td>0.06</td>
<td>0.05</td>
<td>0.7</td>
<td>23</td>
<td>2</td>
</tr>
</tbody>
</table>

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