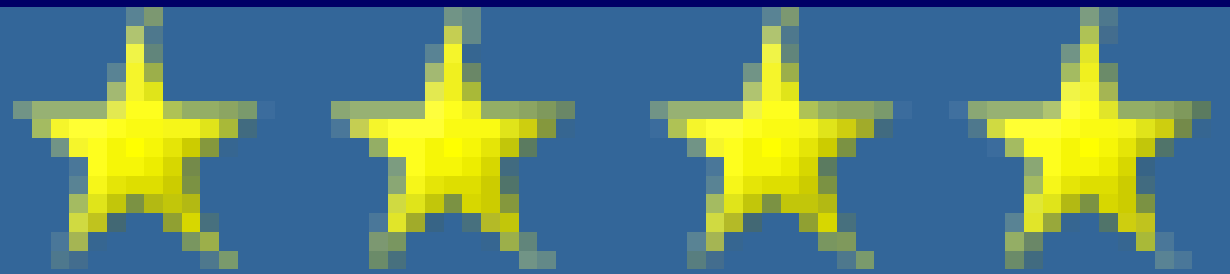




CHARITY  
NAVIGATOR



Four Star Charity

1

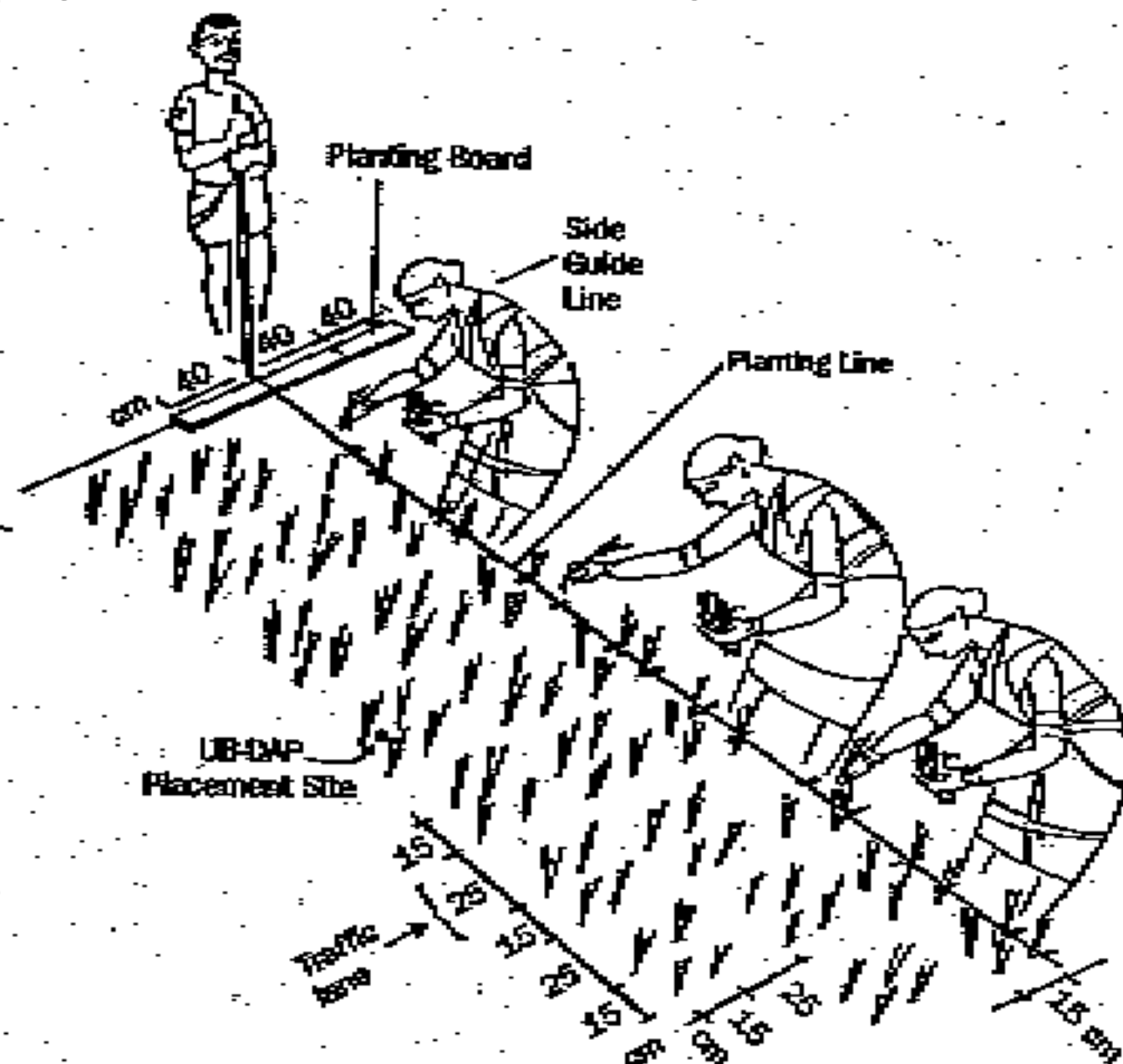
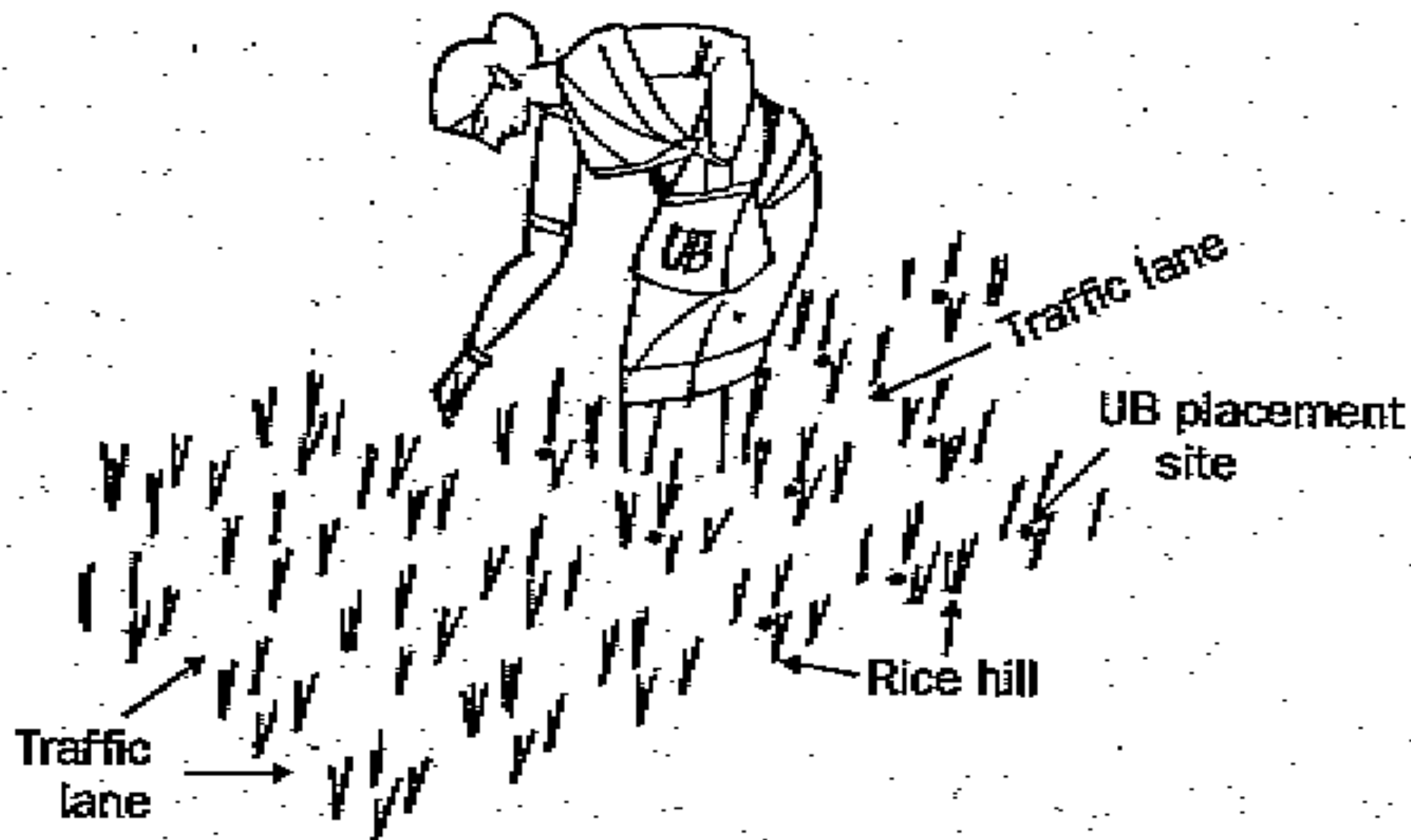


Figure 1. Using bamboo transplanting guide two workers plant two rows at a time. They then move 40 cm backward, pull the guide and align it approximately to complete transplanting the field.



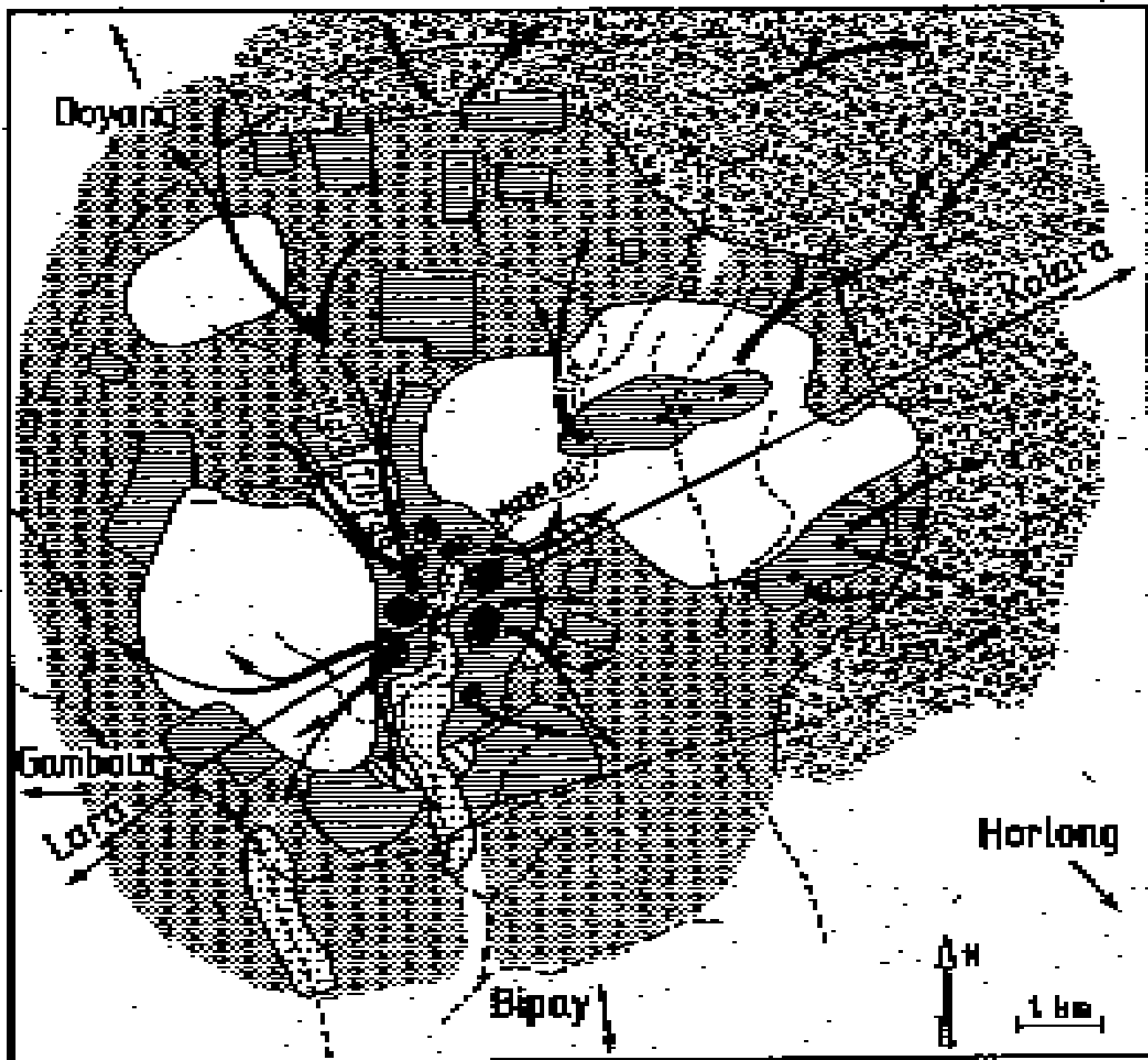
**Figure 2. A worker uses a traffic lane of modified 20 x 20 cm spacing for marking during the UB placement and can easily identify the placement sites (smaller 15 x 15 cm squares)**

# U.K.I.A. NEWSLETTER













ISSUE NUMBER 2 1997

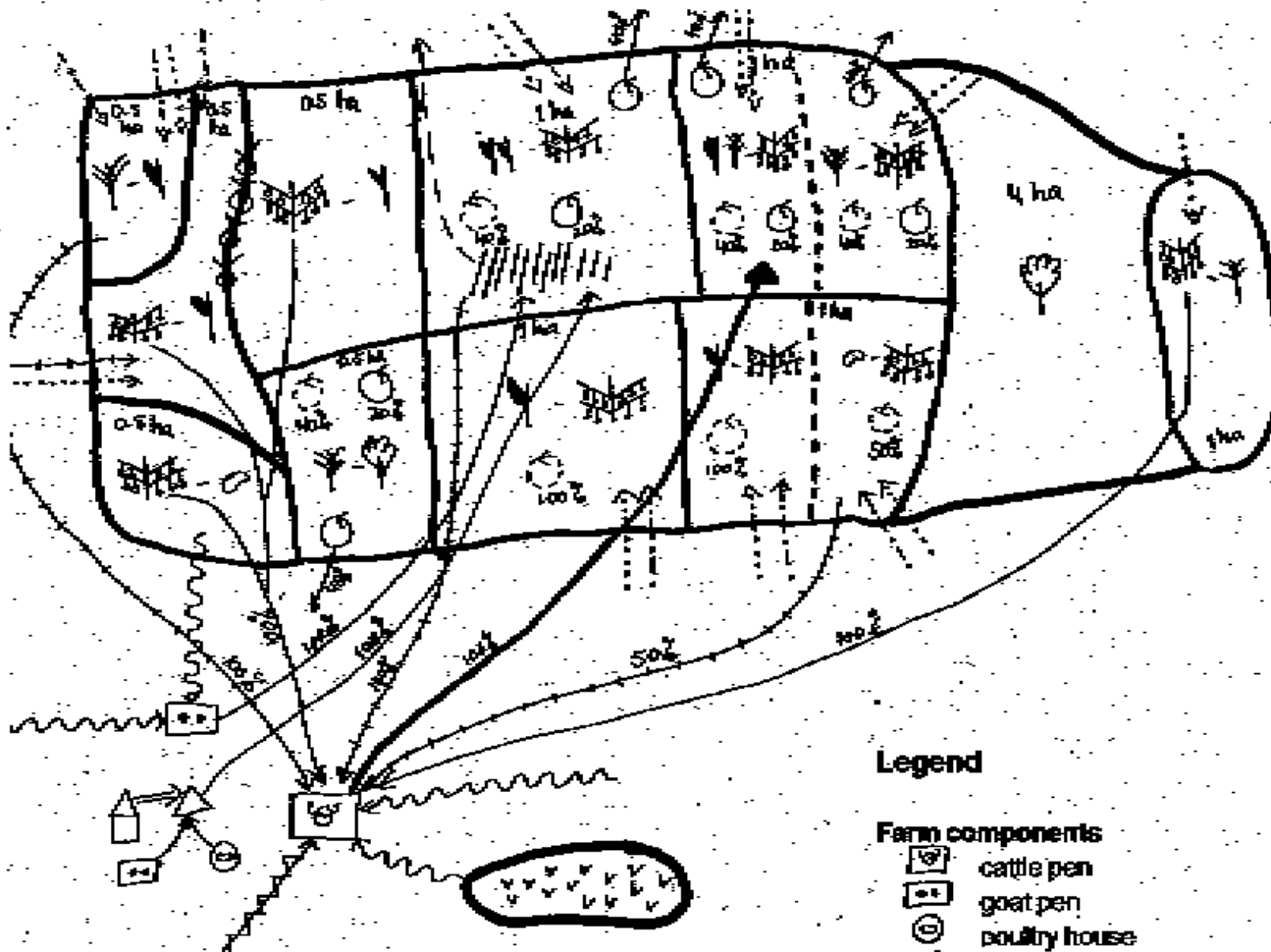


ROOM FOR FILMMAKERS



**LEGEND**

-  Dry season sorghum
-  Rainfed sorghum with cotton
-  Tree/cassava plantations with dry season vegetables
-  Abandoned/degraded
-  Secondary forest
-  Fallow
-  Boundary of village land
-  Seasonal stream
-  Copra and gardens
-  Copra ponds
-  Road
-  Cattle tracks



- Crop residues**
- litter
  - ladder
  - pasture
  - termites
  - burning
- Manure**
- organic manure
  - ← urea
  - ← cotton fertiliser
  - ← cereal fertiliser
- Other**
- ← concentrated animal food
  - ← grasses
  - ← household waste
  - soil erosion
- Crop**
- maize
  - cotton
  - sorghum
  - groundnut
  - orchard
  - fallow
- Erosion control**
- stone lines

**Legend**

- Farm components**
- cattle pen
  - goat pen
  - poultry house
  - grain store
  - △ waste heap

Case of a class III farm: low recycling

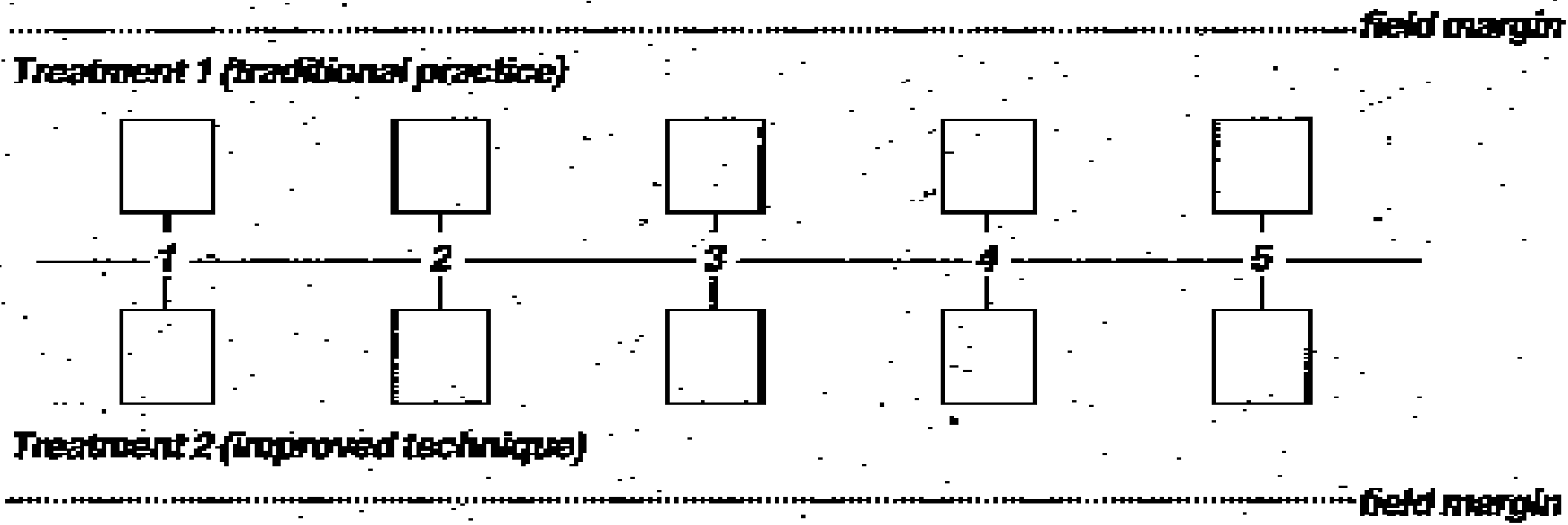


Figure 1: Paired treatment design with 5 plot pairs.



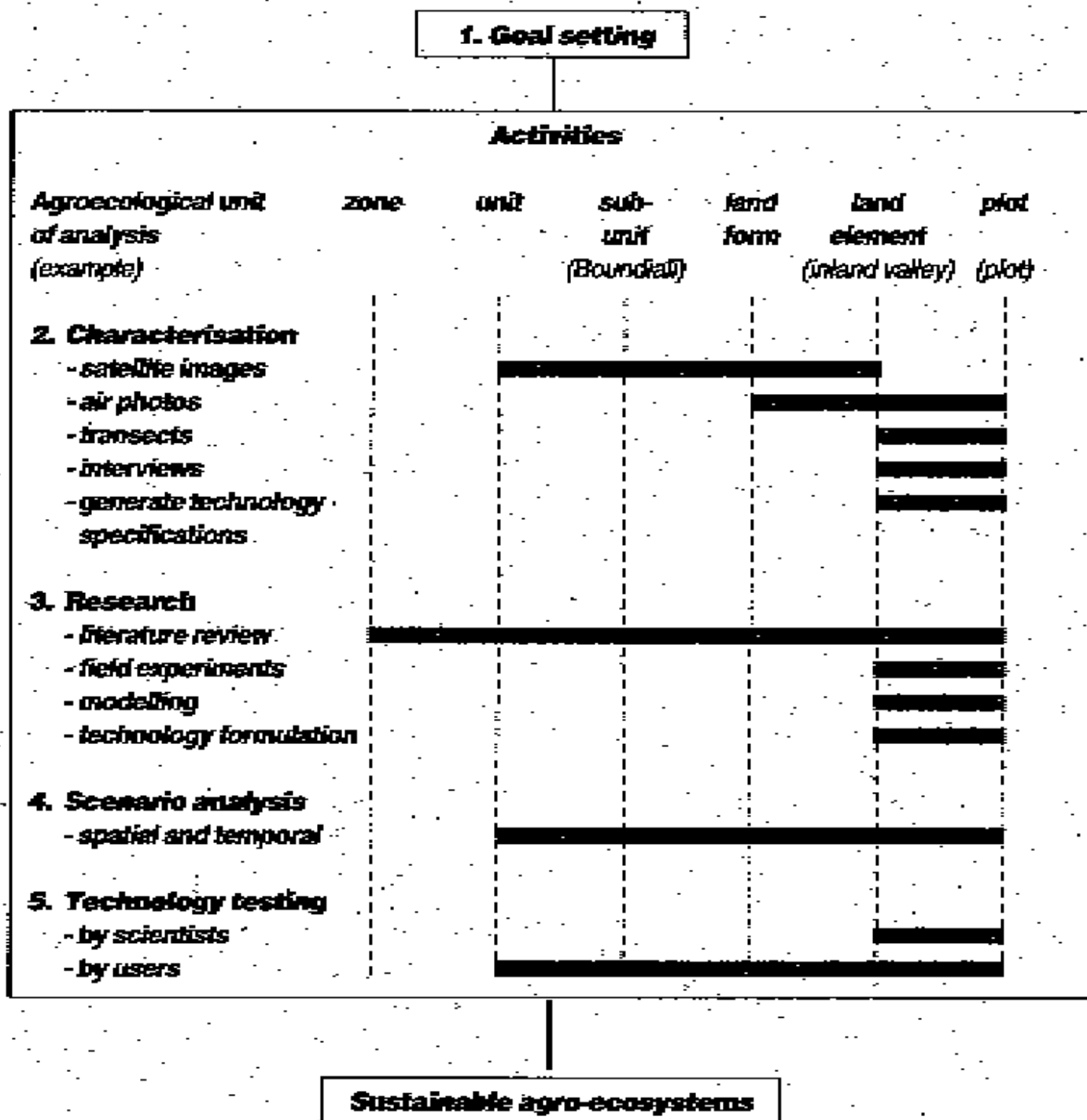
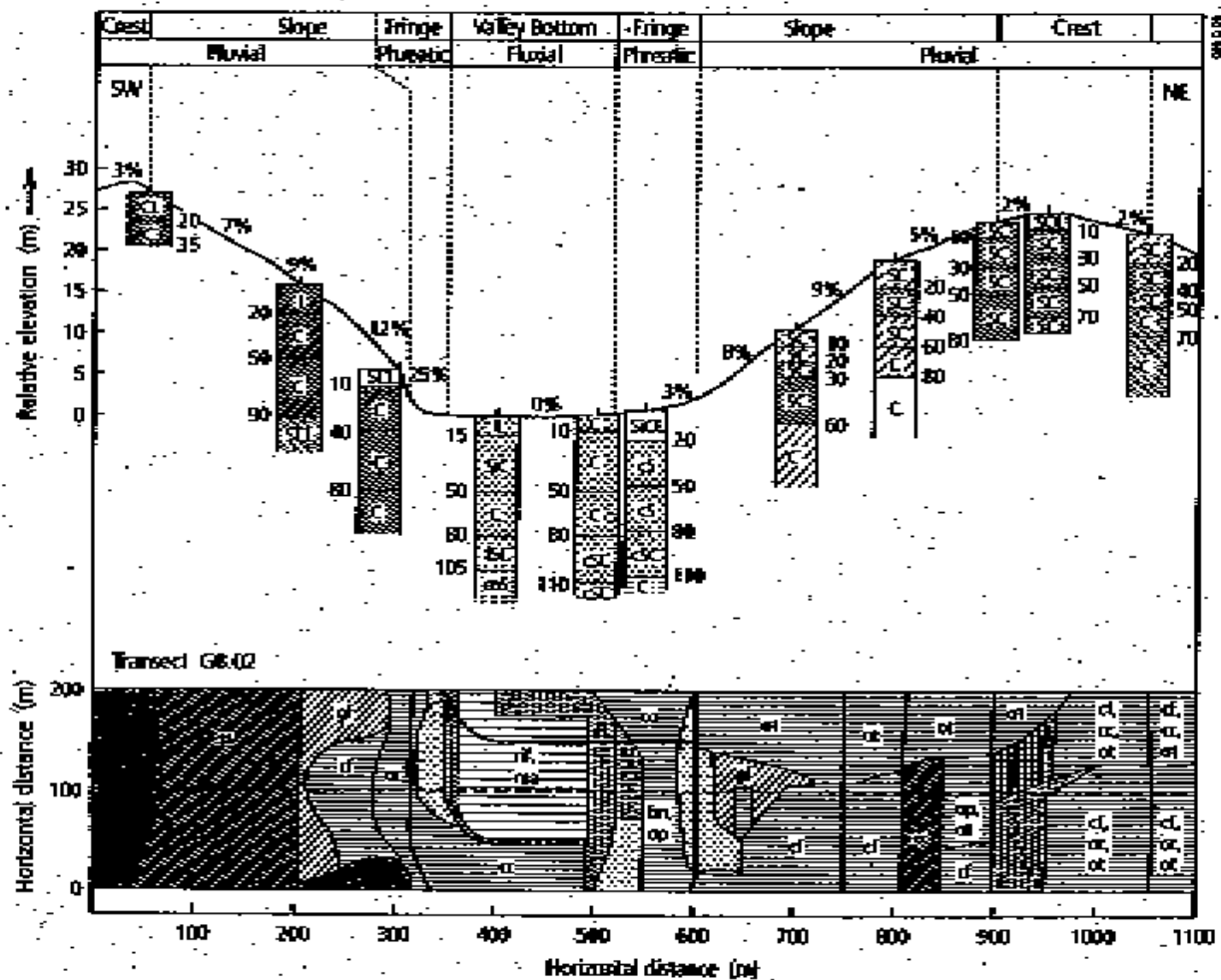


Figure 1. Simplified diagram of activities within Land Use Systems Analysis and their degree of detail (van Duinenhoeden, 1995).



Soils		Land use		Topographic features
< 5% gravel	S sand	woodland and forest	ba banana	footpath
5-15% gravel	L loam	scrubland and savanna	ca cane	unpaved road
15-40% gravel	SOL sandy clay loam	grass and pasture	cf coffee	intermittent stream
> 40% gravel	SC sandy clay	young fallow	co coconut	field border
hydromorphic properties	CL clay loam	old fallow	gl grass and fallow	contour line
redoximorphic properties	SIL silty clay loam	grazing land	ma maize	
redoximorphic properties	SL silty clay	annual crops	op oil palm	
	C clay		ot other crops	
	ca coarse		ri flooded rice	
	m medium		ss scrubland and savanna	
	f fine			

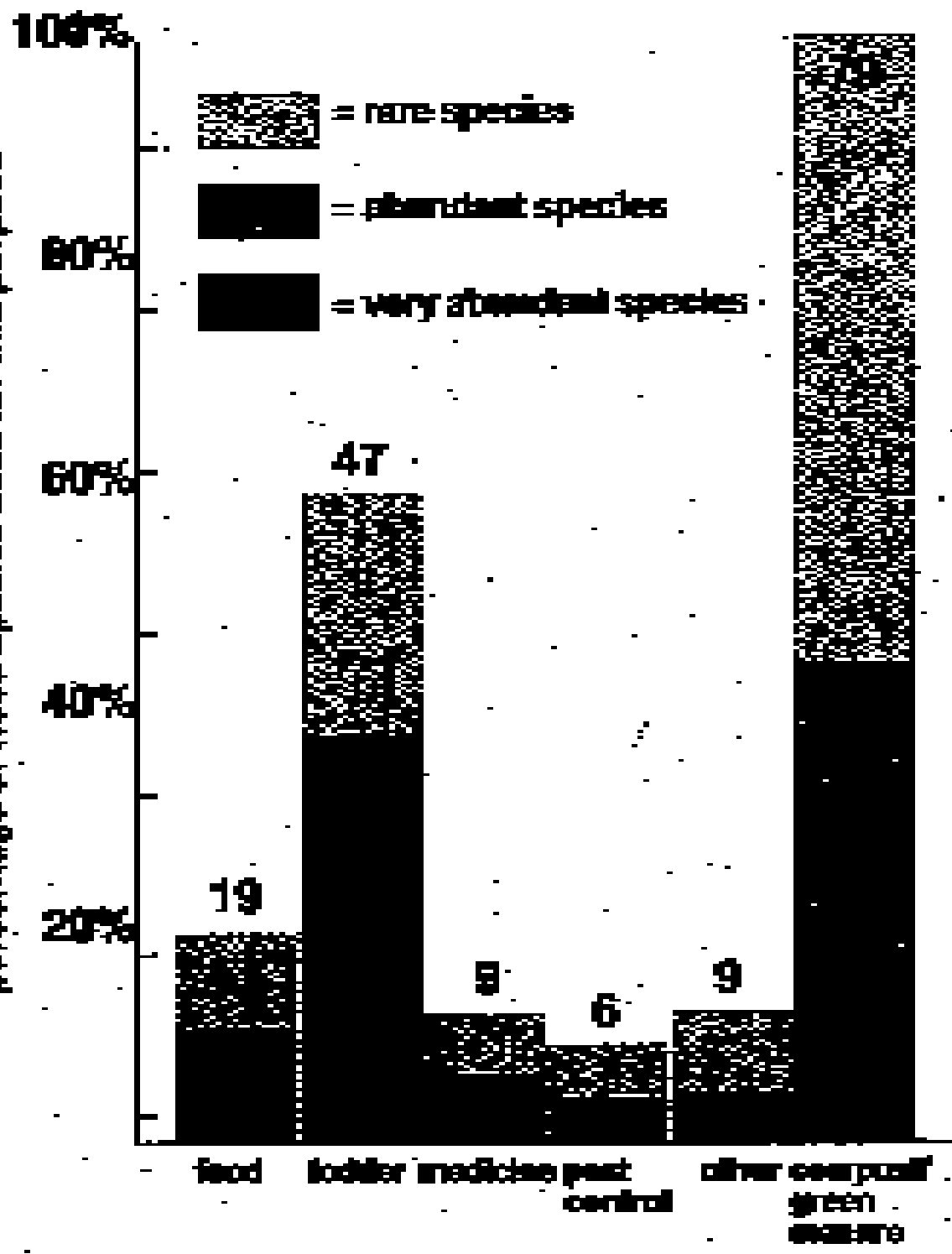
# ILRI NEWSLETTER

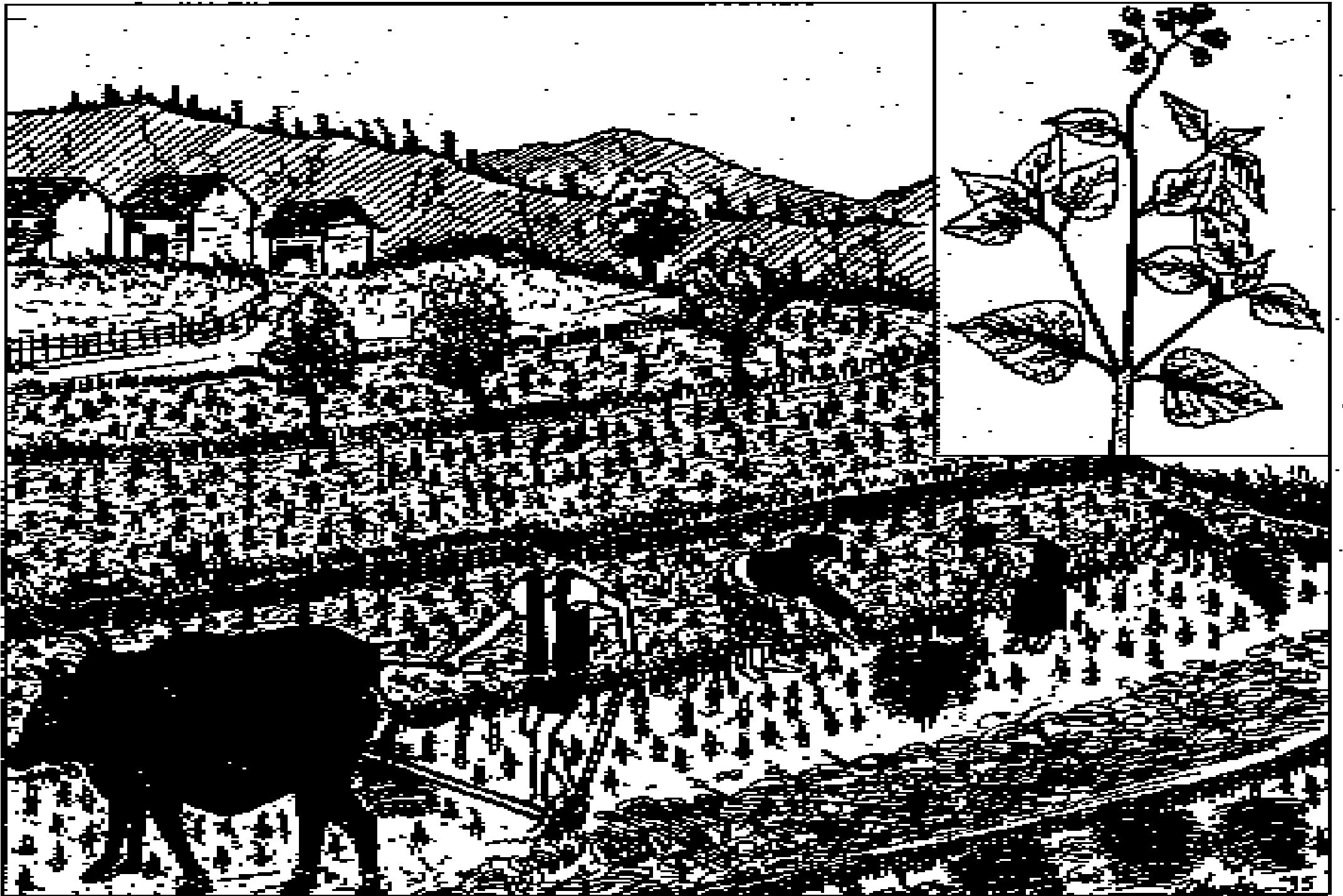
THE JOURNAL OF THE INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE

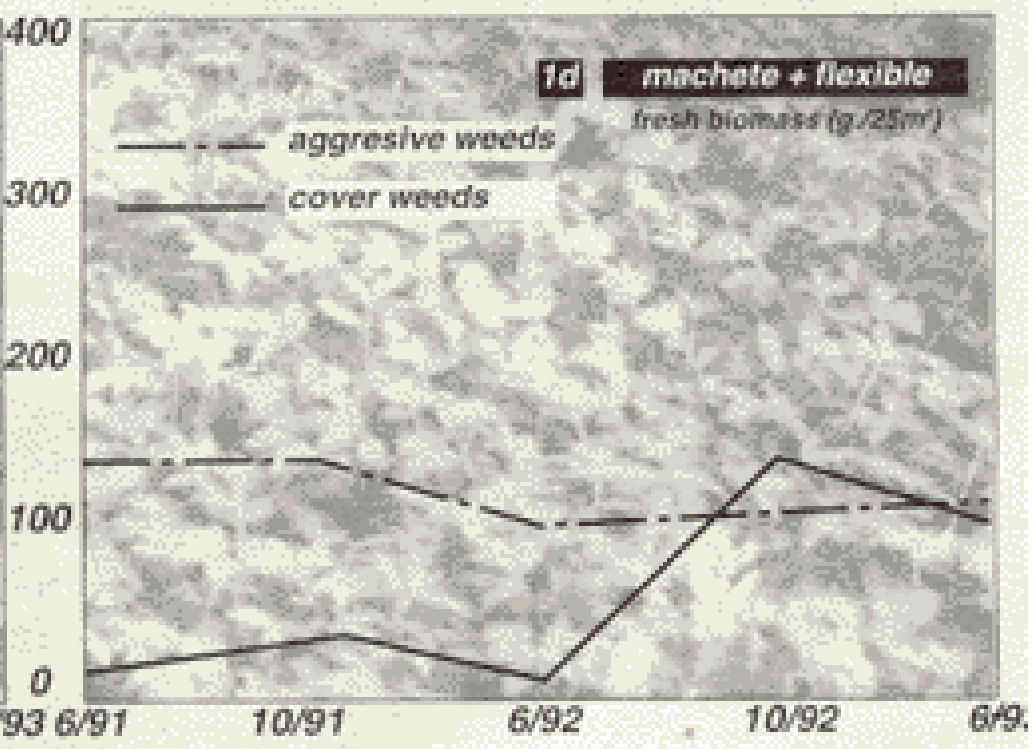
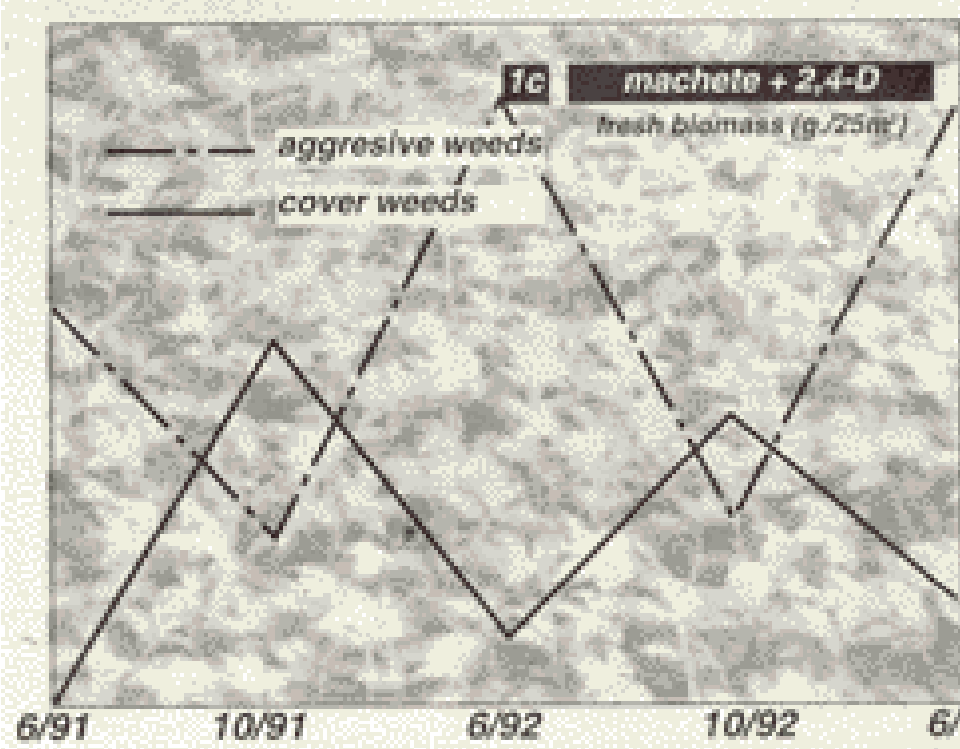
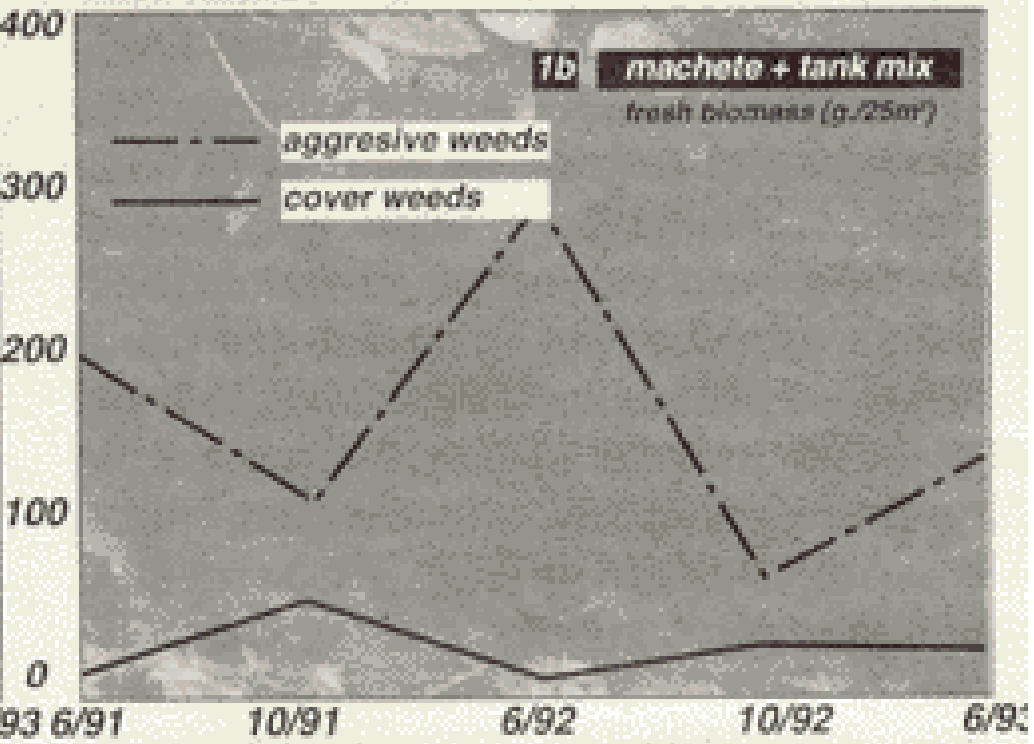
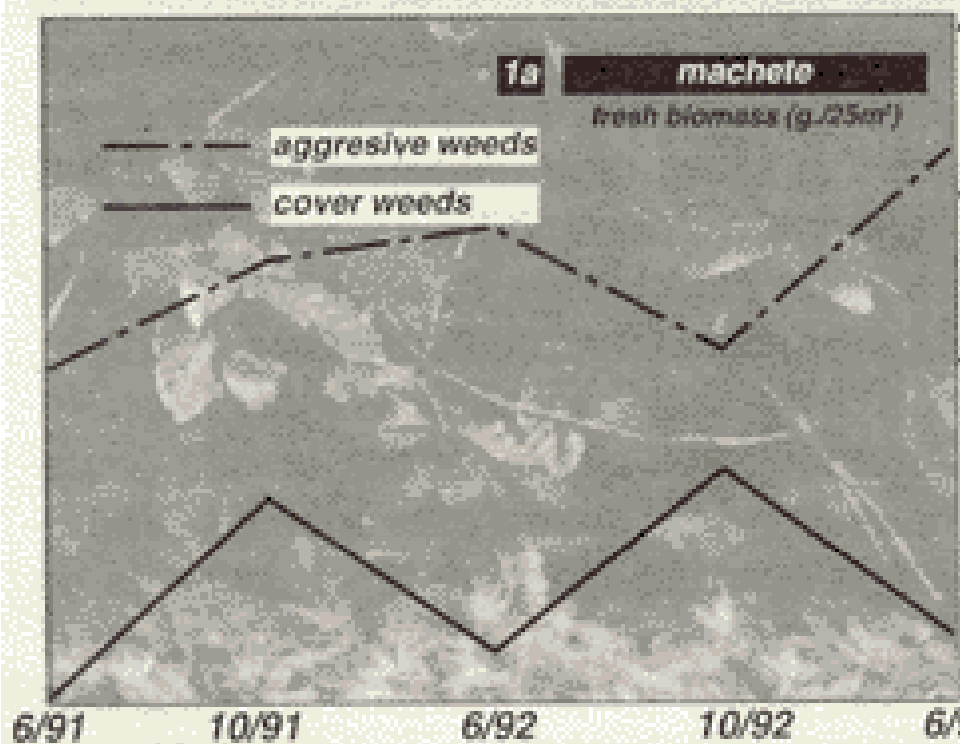


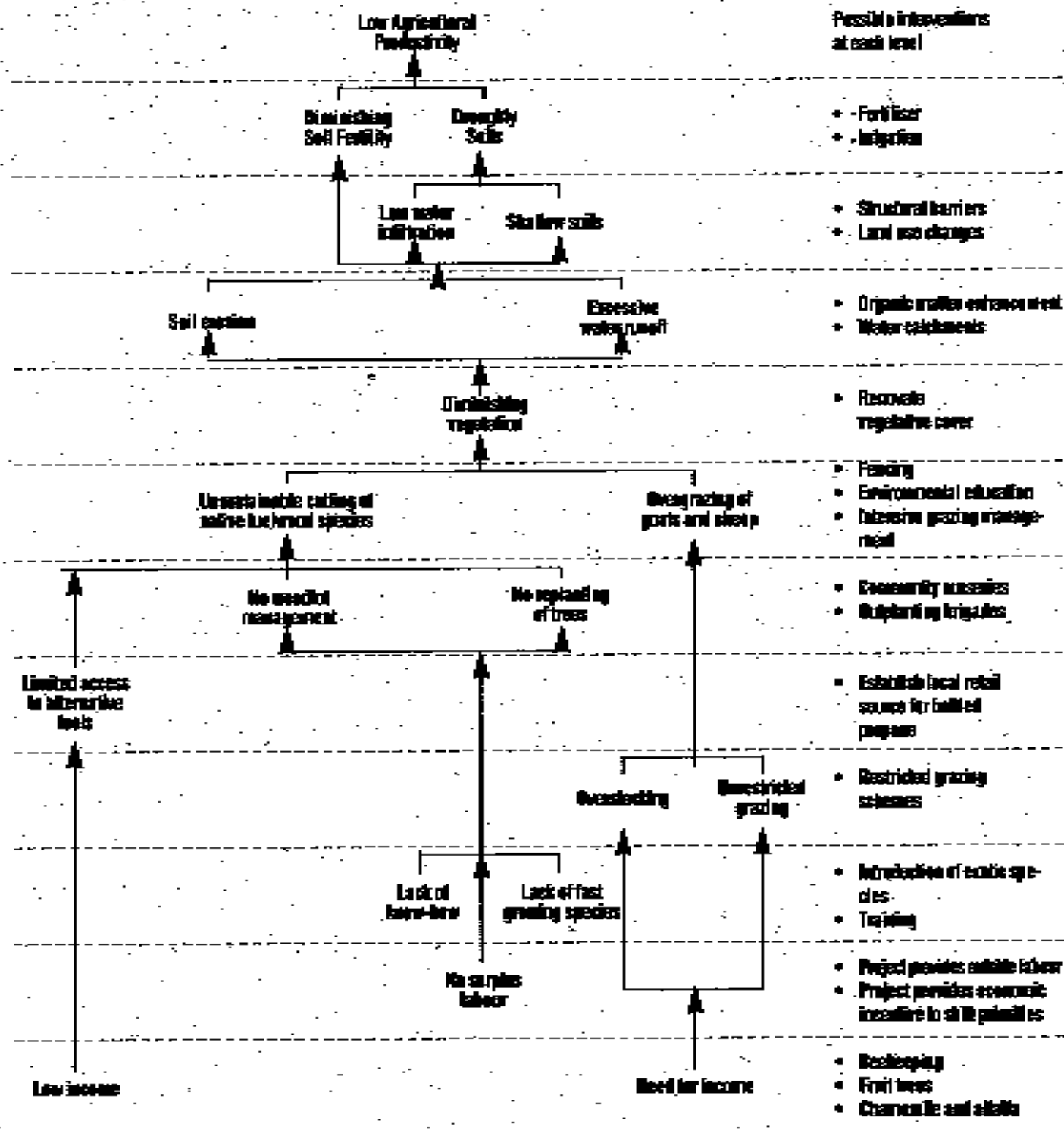
RESEARCH AND REALITY

Percentage of weed species used for this purpose









# ILFIA Newsletter

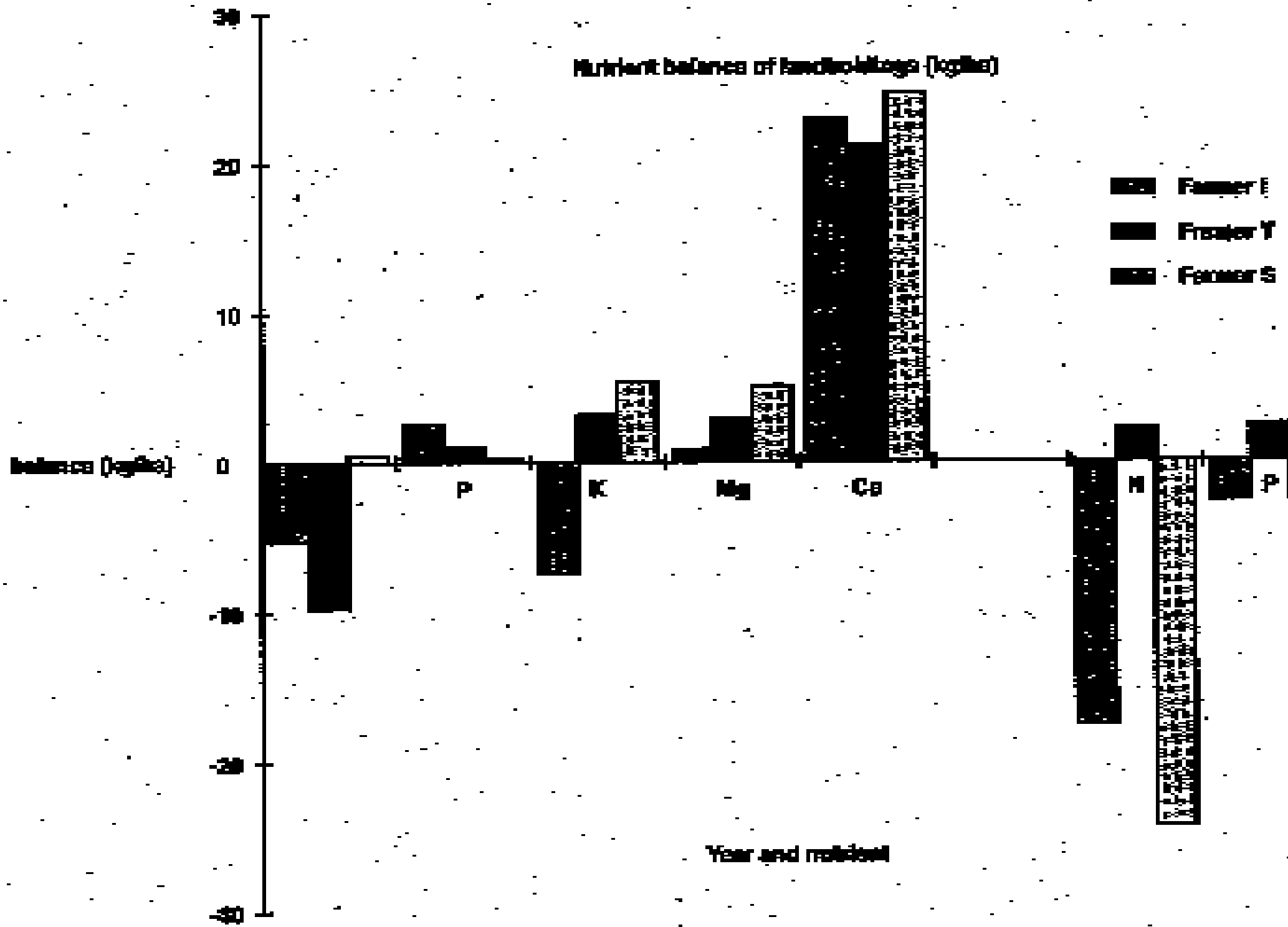
THE OFFICE OF THE FEDERAL MEDIATOR AND CONCILIATOR

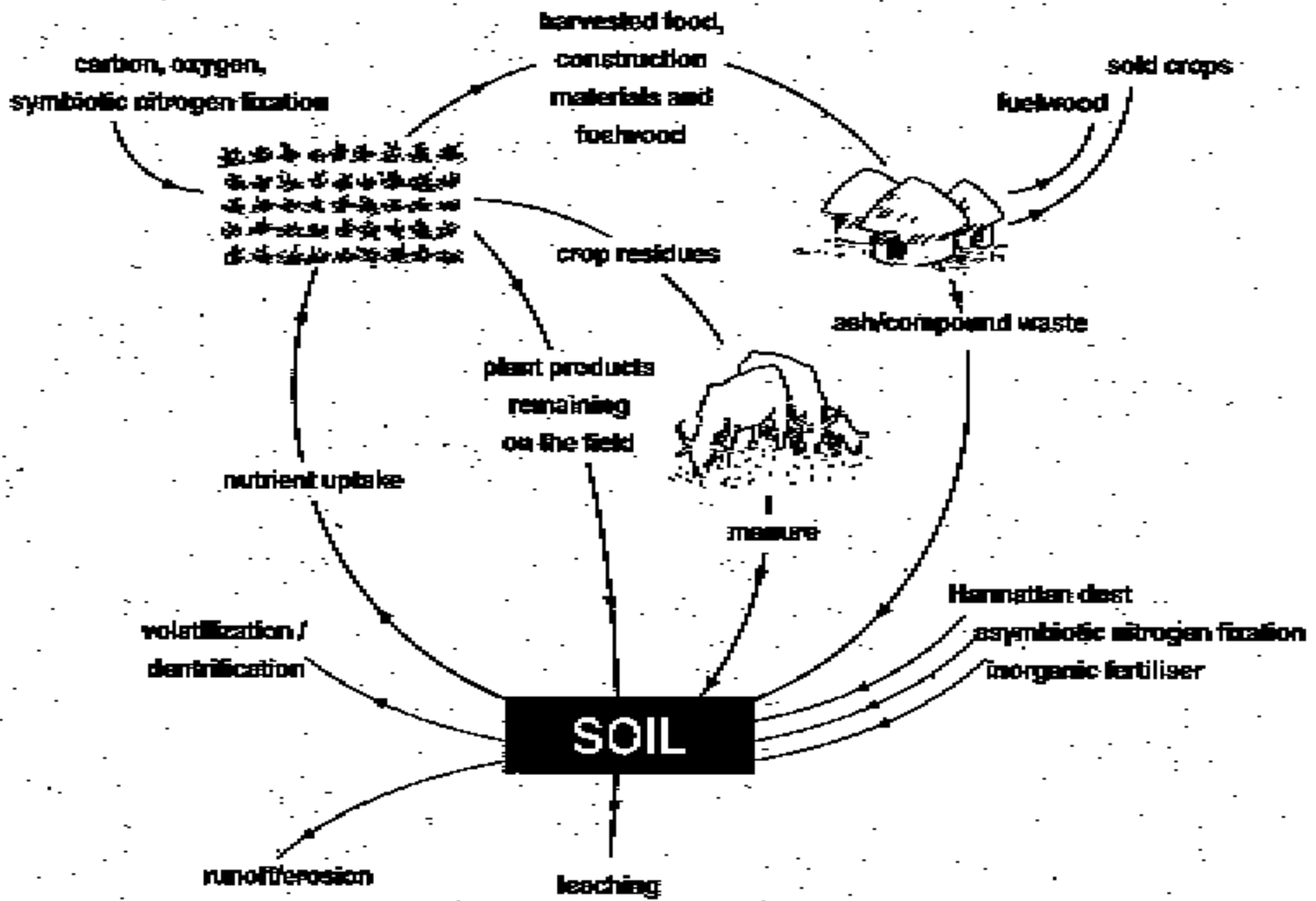


US-1-2007-007-115



Nutrient balance of feedlot steers (kg/ha)





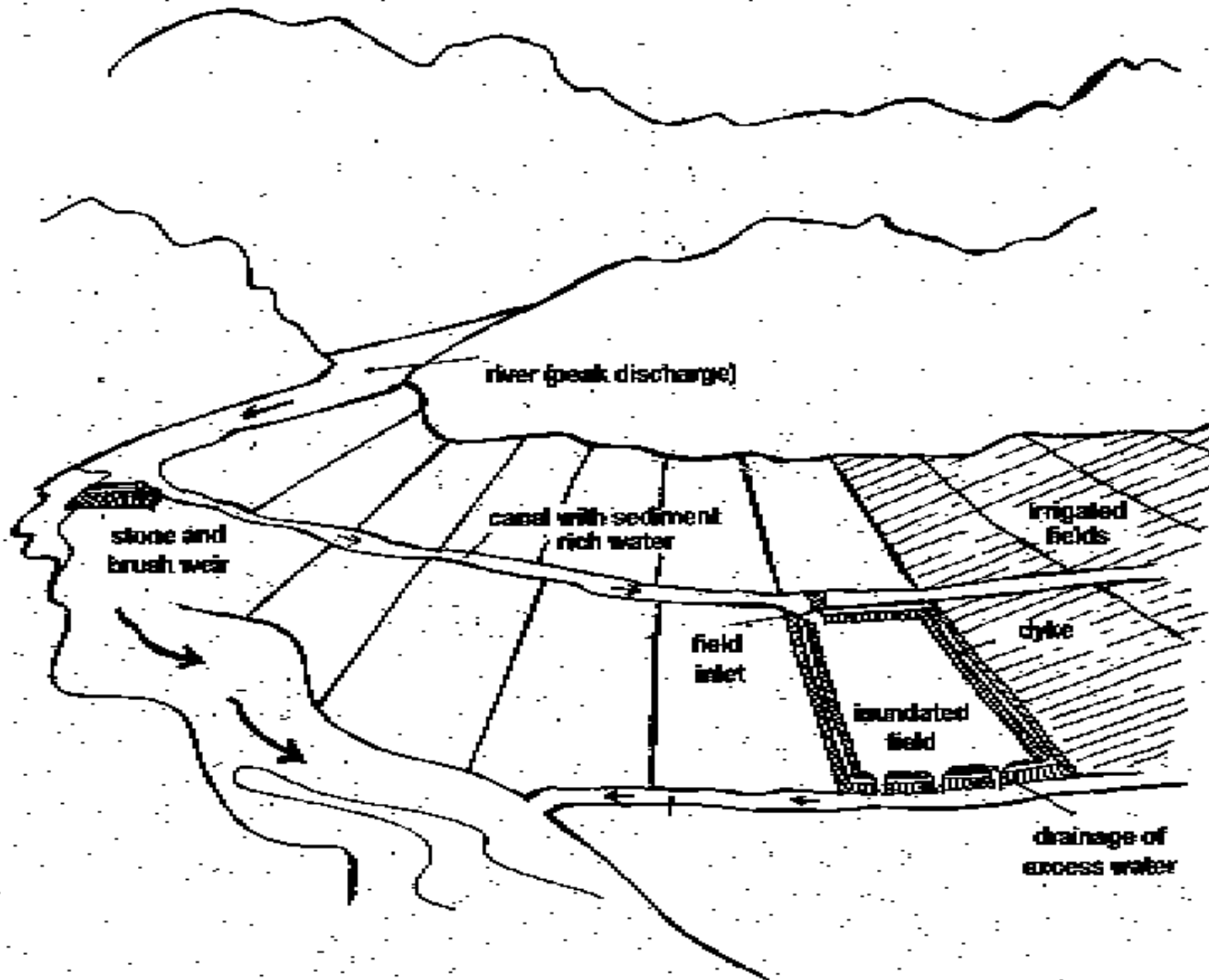
# ILEIA Newsletter

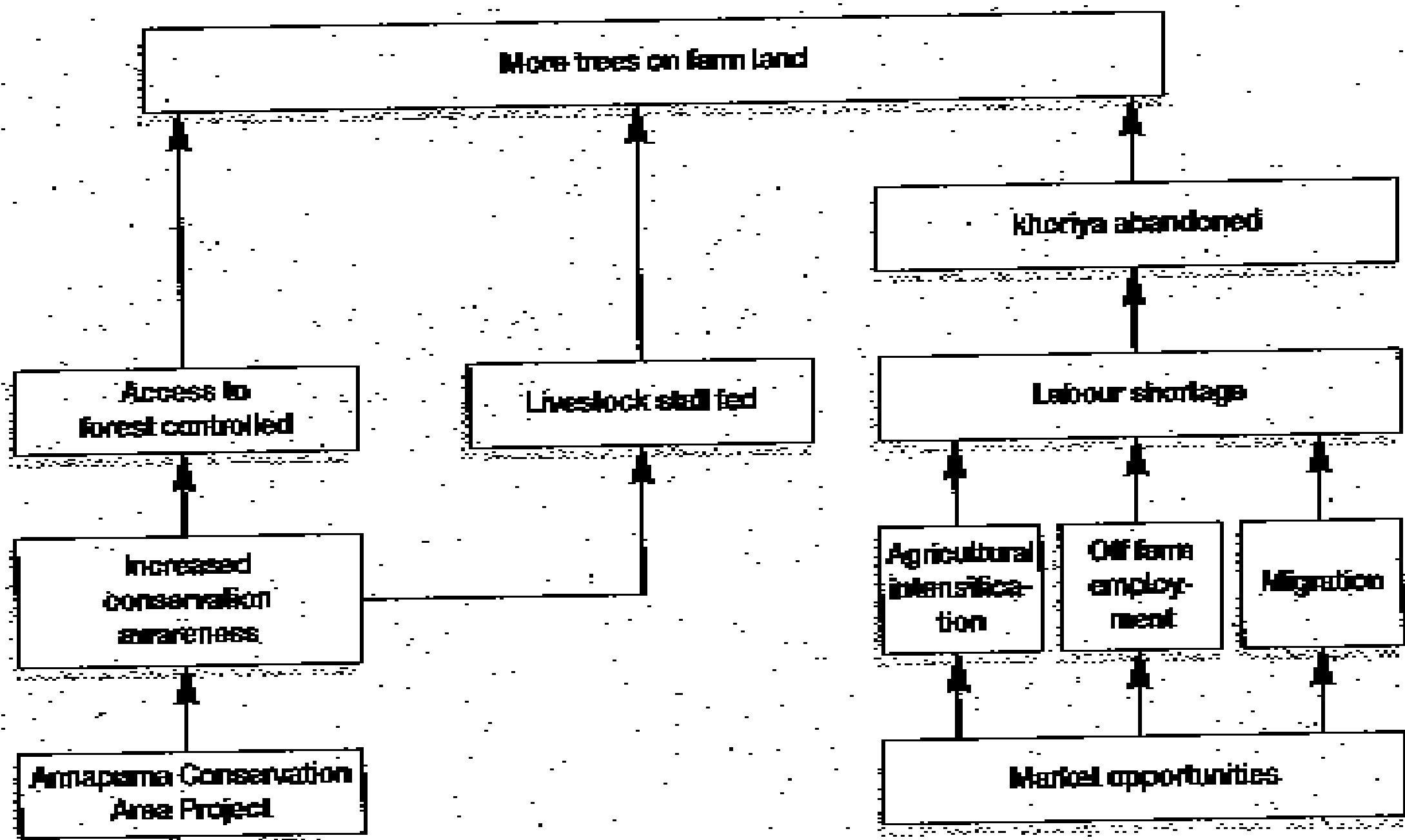
ISSUE 10 - 2014



100%  
100%  
100%

FARMERS FACING CHANGE





# ILEIA Assumpta



MOUNTAINS IN BALANCE

Figure 1. Total net income from each resource type on Salima farm, Niimba, Zomba District, Malawi

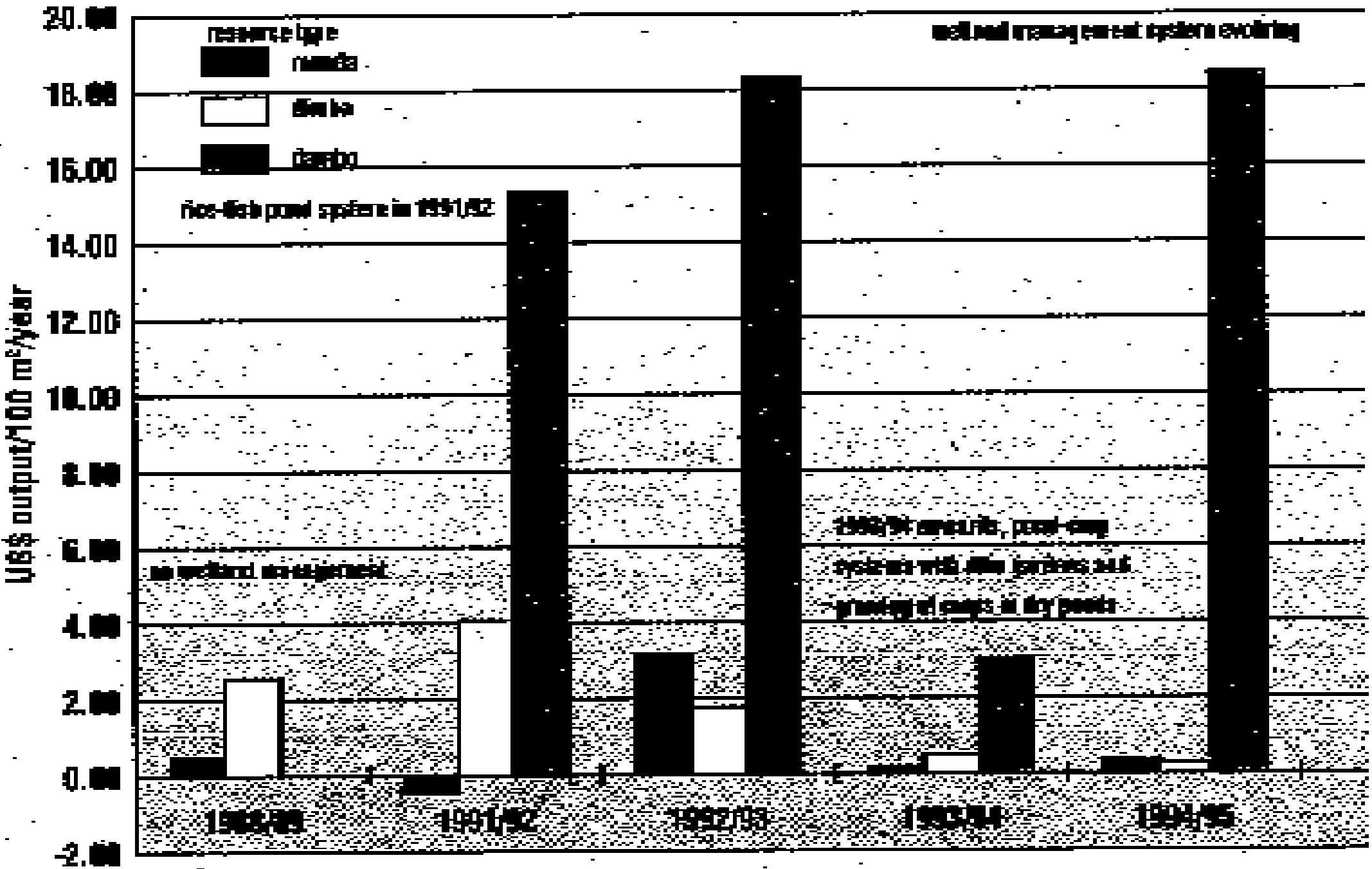
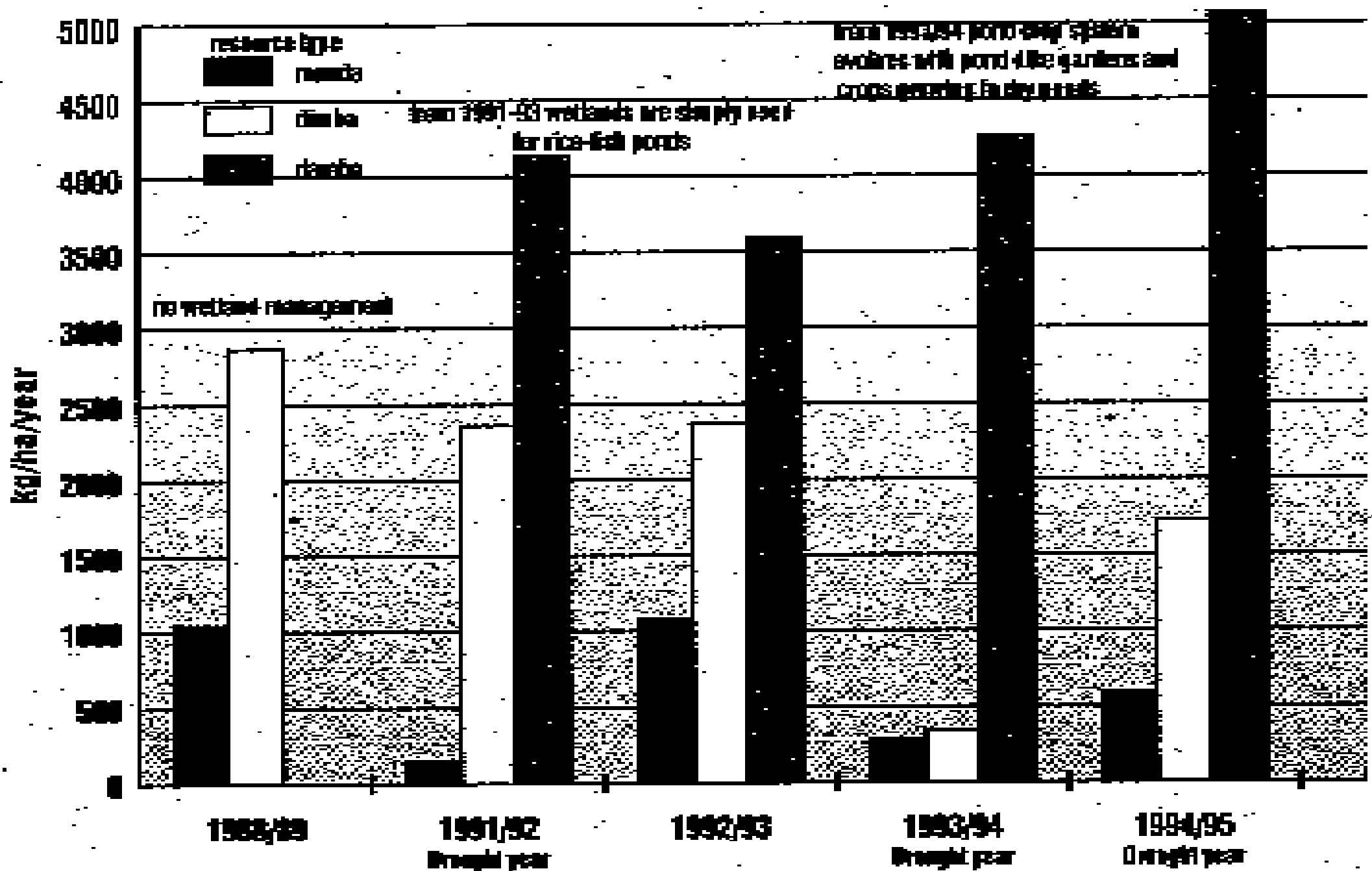


Figure 2. Crop production from each resource type on the Salima farm, Mwanza, Zomba District, Malawi



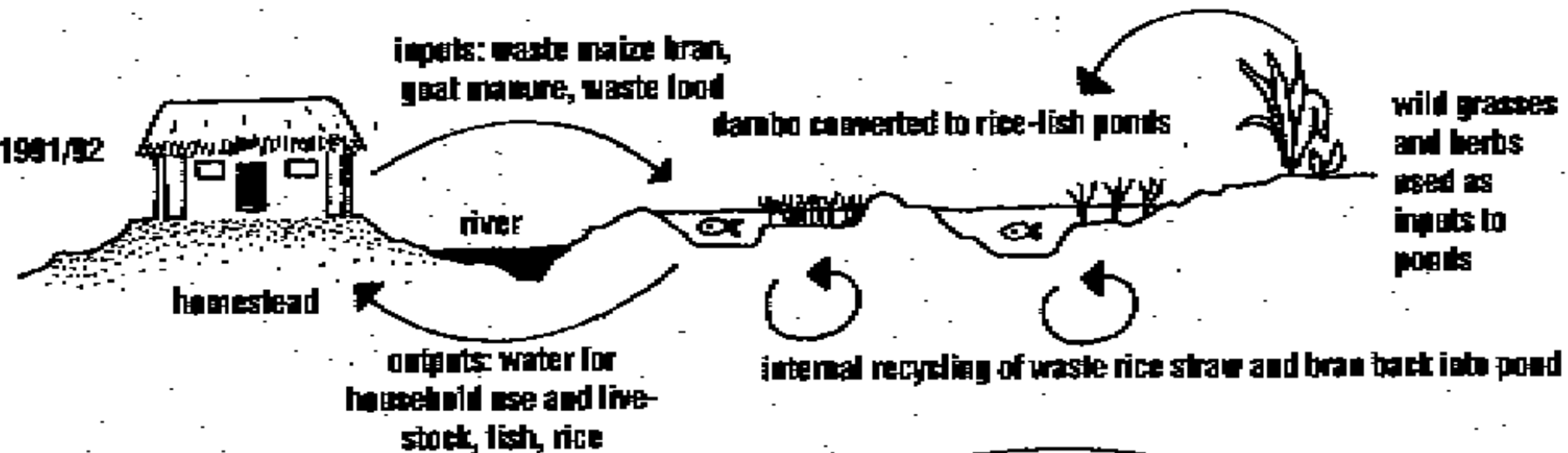


1988/89



dambo land adjacent to homestead

1991/92



inputs: waste maize bran, goat manure, waste food

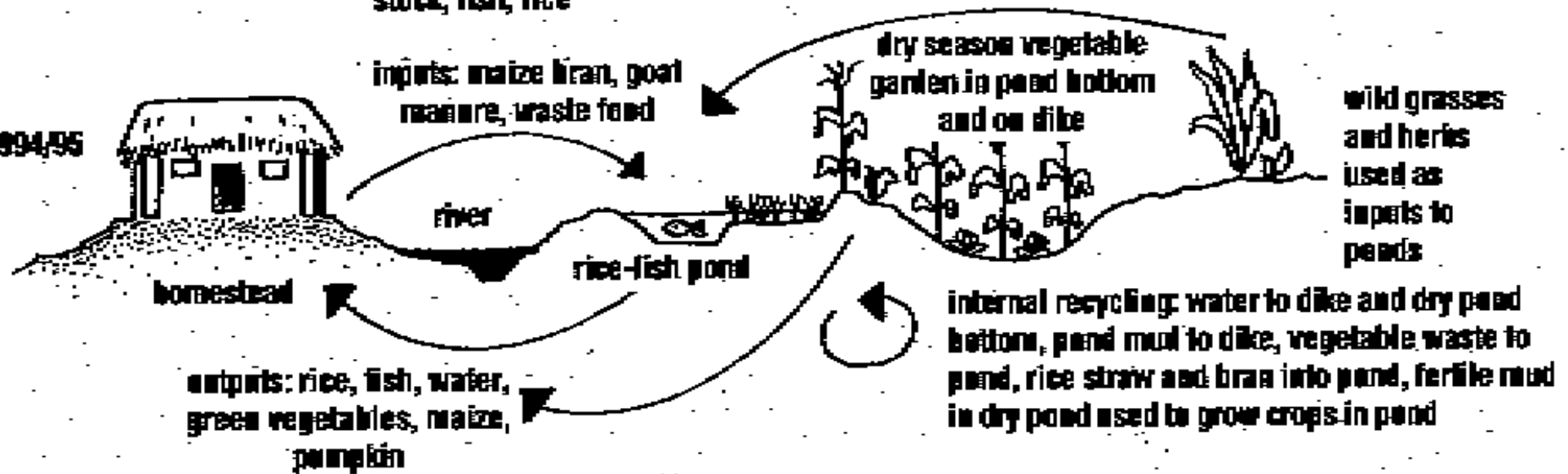
dambo converted to rice-fish ponds

wild grasses and herbs used as inputs to ponds

outputs: water for household use and livestock, fish, rice

internal recycling of waste rice straw and bran back into pond

1994/95



inputs: maize bran, goat manure, waste food

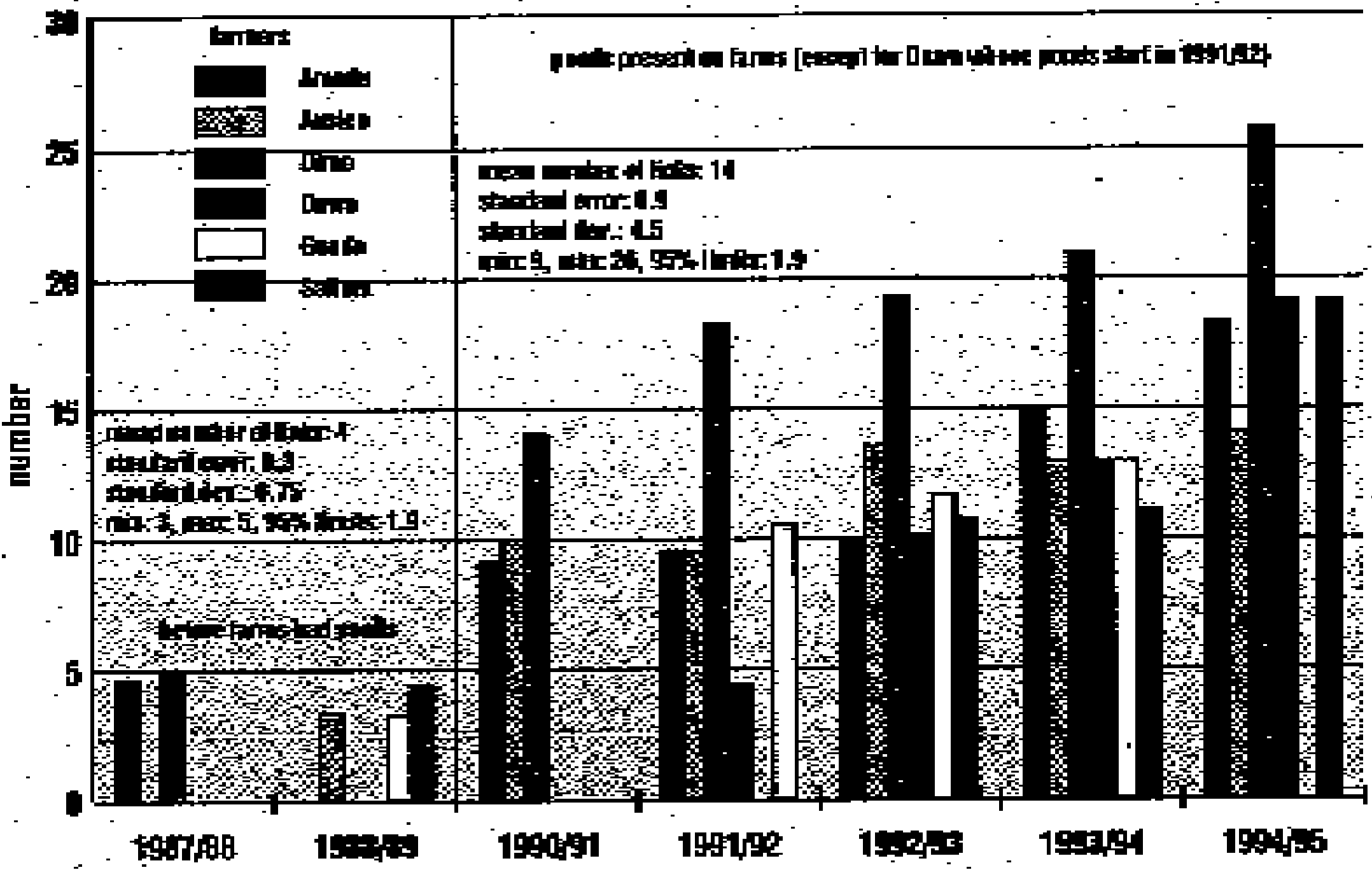
dry season vegetable garden in pond bottom and on dike

wild grasses and herbs used as inputs to ponds

outputs: rice, fish, water, green vegetables, maize, pumpkin

internal recycling: water to dike and dry pond bottom, pond mud to dike, vegetable waste to pond, rice straw and bran into pond, fertile mud in dry pond used to grow crops in pond

Figure 4: Number of internal bioresource flows on six farms in Mlanje, Zomba District, Malawi



# ILEIA



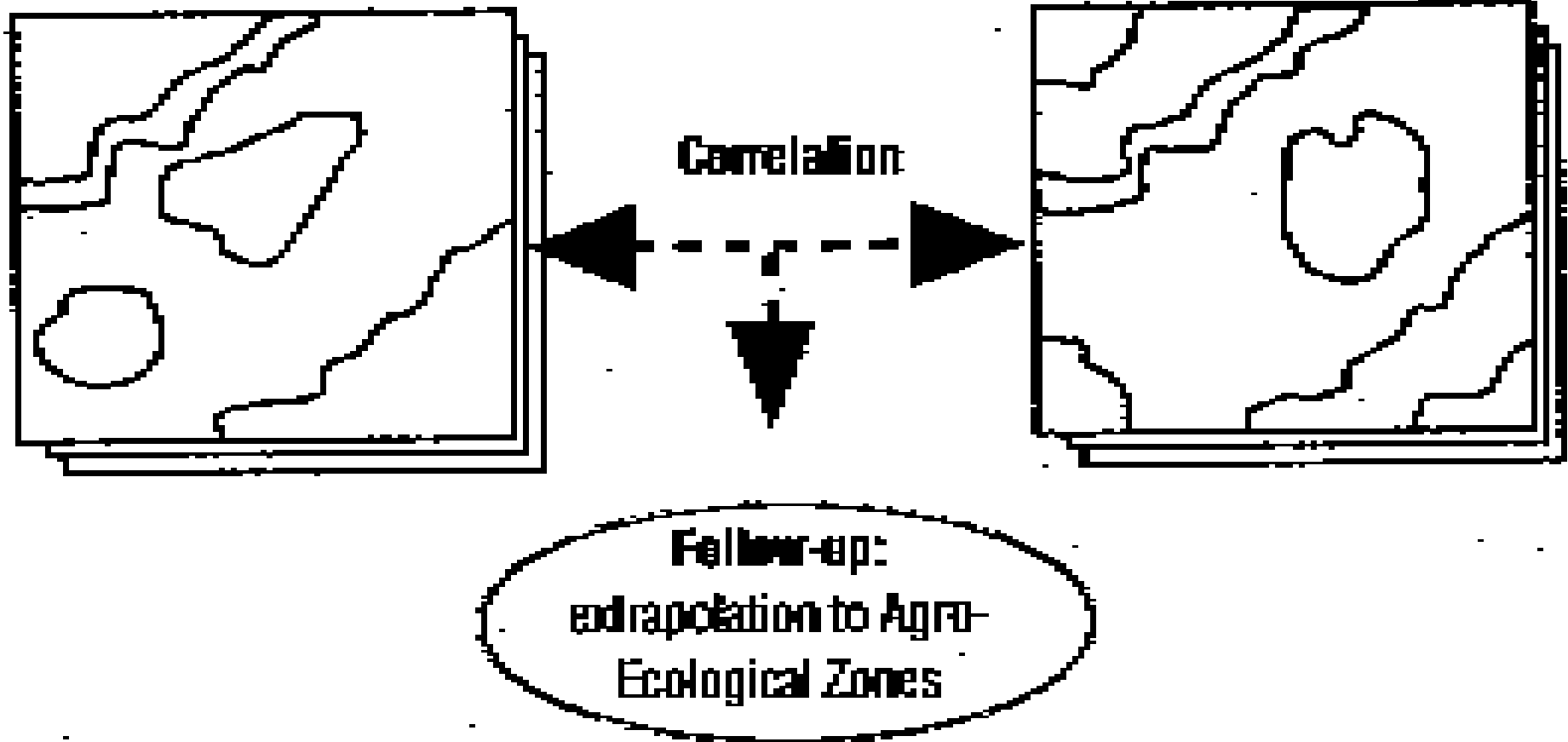
MORE THAN JUST A

## Farmer knowledge

- transect studies
- farmers resources mapping
- farmers meetings

## Scientist knowledge

- soil survey
- laboratory analyses
- soil classification
- land evaluation

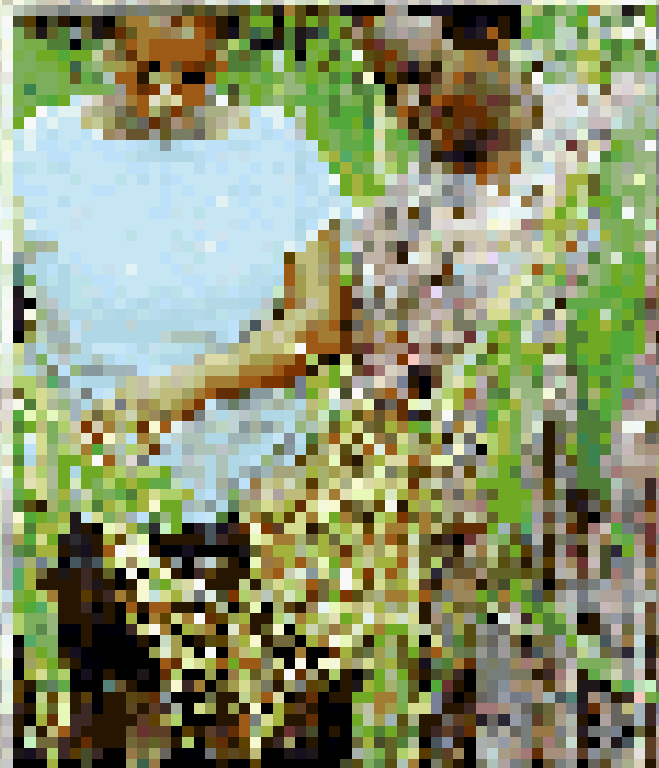


# II. EIA Approval



THOUGHT OF COMMUNITY

# LEISA



Amplifying the Journalists

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Коллекция

Пижамы для девочек

# LEISA



Identifying  
and solving problems





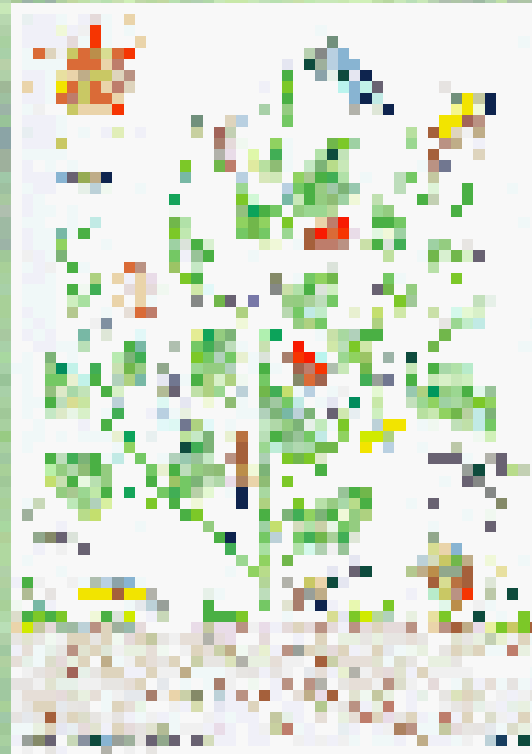
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*Fighting back  
with IPM*

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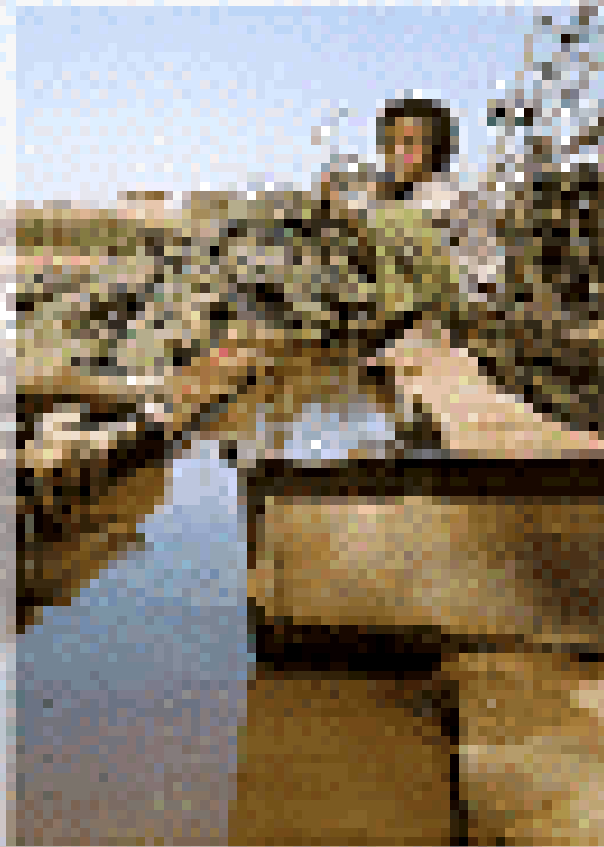


Atividade baseada

na LDB

# LEISA

Local Environmental Information Systems for Agricultural and Rural Development



*Challenging  
water scarcity*

# LEISA



Creating green  
and healthy jobs

# LEISA

Revista de la Asociación Latinoamericana de Sociología

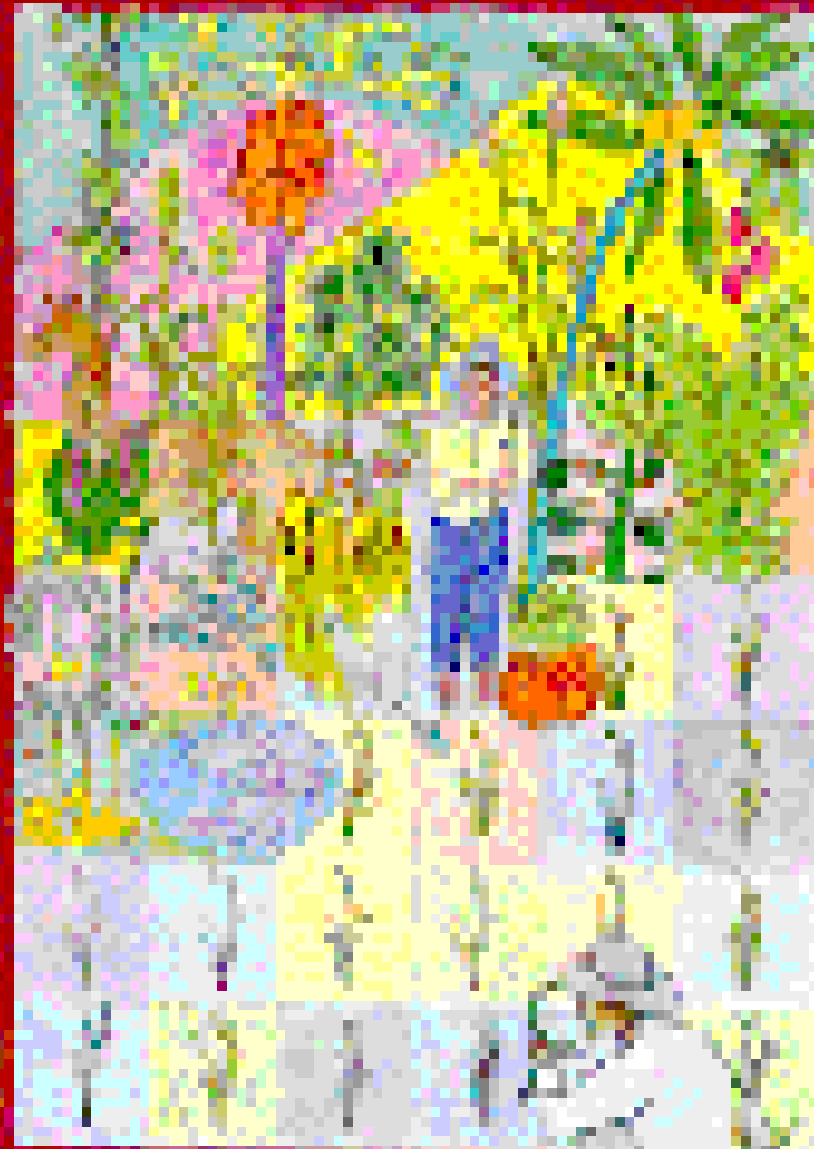


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# LEISA

2024-2025

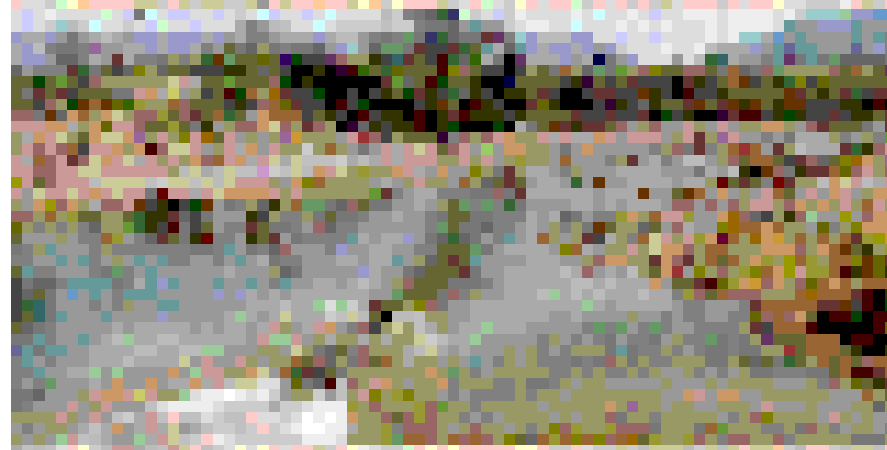


Parents  
Join

at the school's anniversary



# LEISA



Английский вариант

Содержание

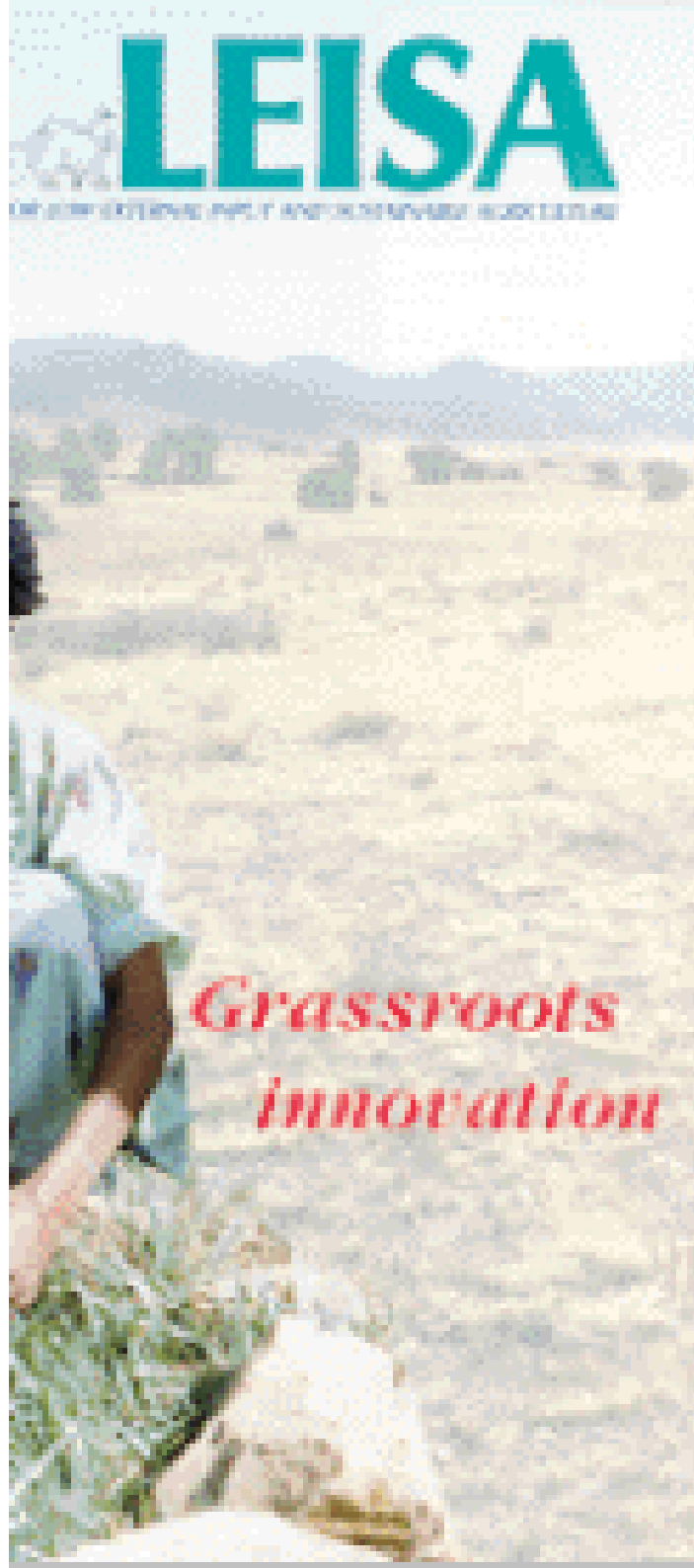
Содержание

# LEISA



Crossroads  
innovation





*Grassroots  
innovation*

# LEISA

Small, illegible text line below the title.



Forestry  
in the Forest

# LEISA

Journal of Environmental & Agricultural Sciences

## Monocultures



towards  
sustain-  
ability

# LEISA

Magazine on Low External Cost and Sustainable Agriculture

Coping with disaster

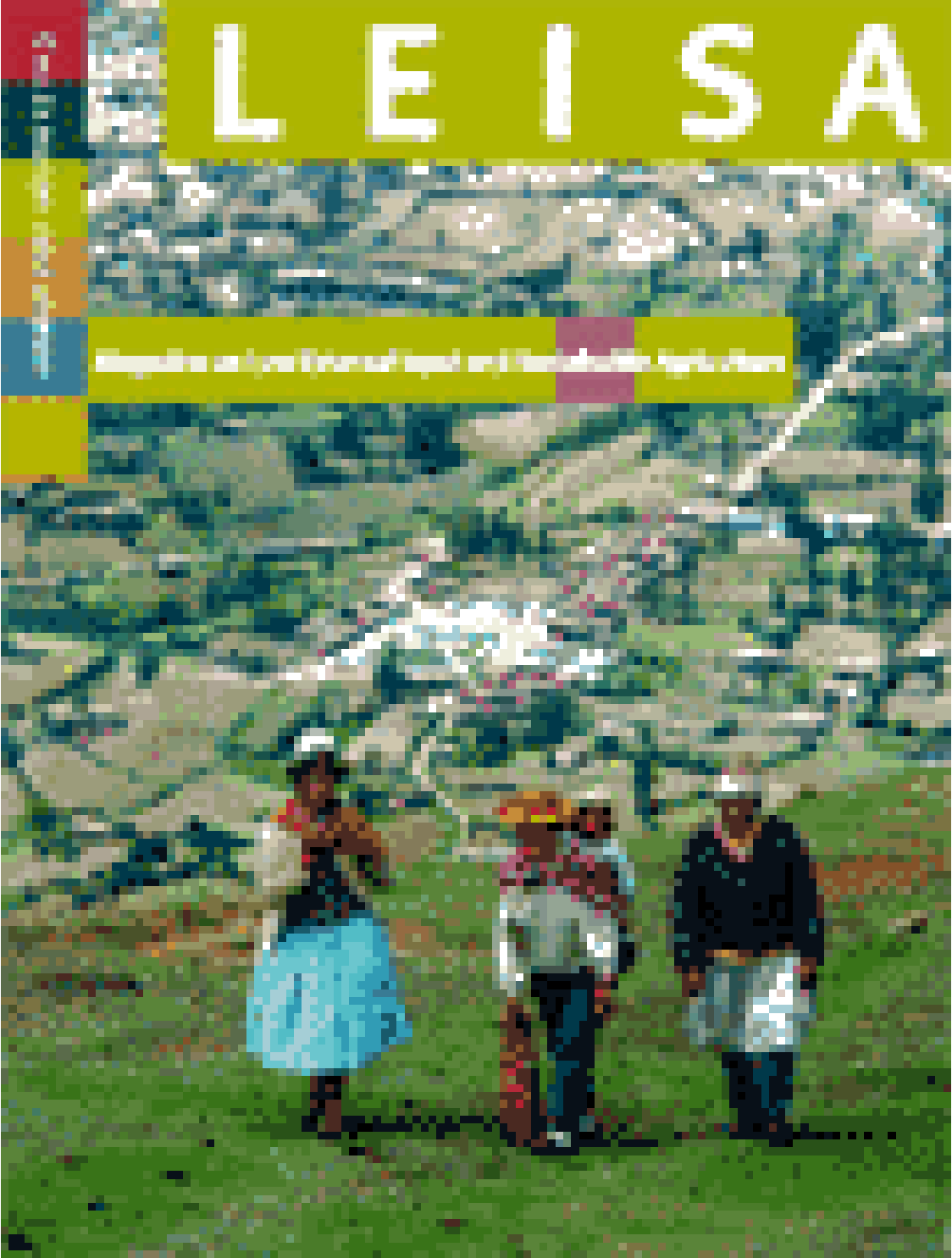
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Magazine on Low External Cost and Sustainable Agriculture

Go global or stay local?

# LEISA

Magazine on Local Food Systems and Sustainable Agriculture



Lessons in scaling up

# LEISA

Magazine on Low External Input and Sustainable Agriculture

GE – not the only option

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Livestock: which way?



# LEISA

Regulation on Land Use, Environmental Impact and Territorial Organization

Changing information flows

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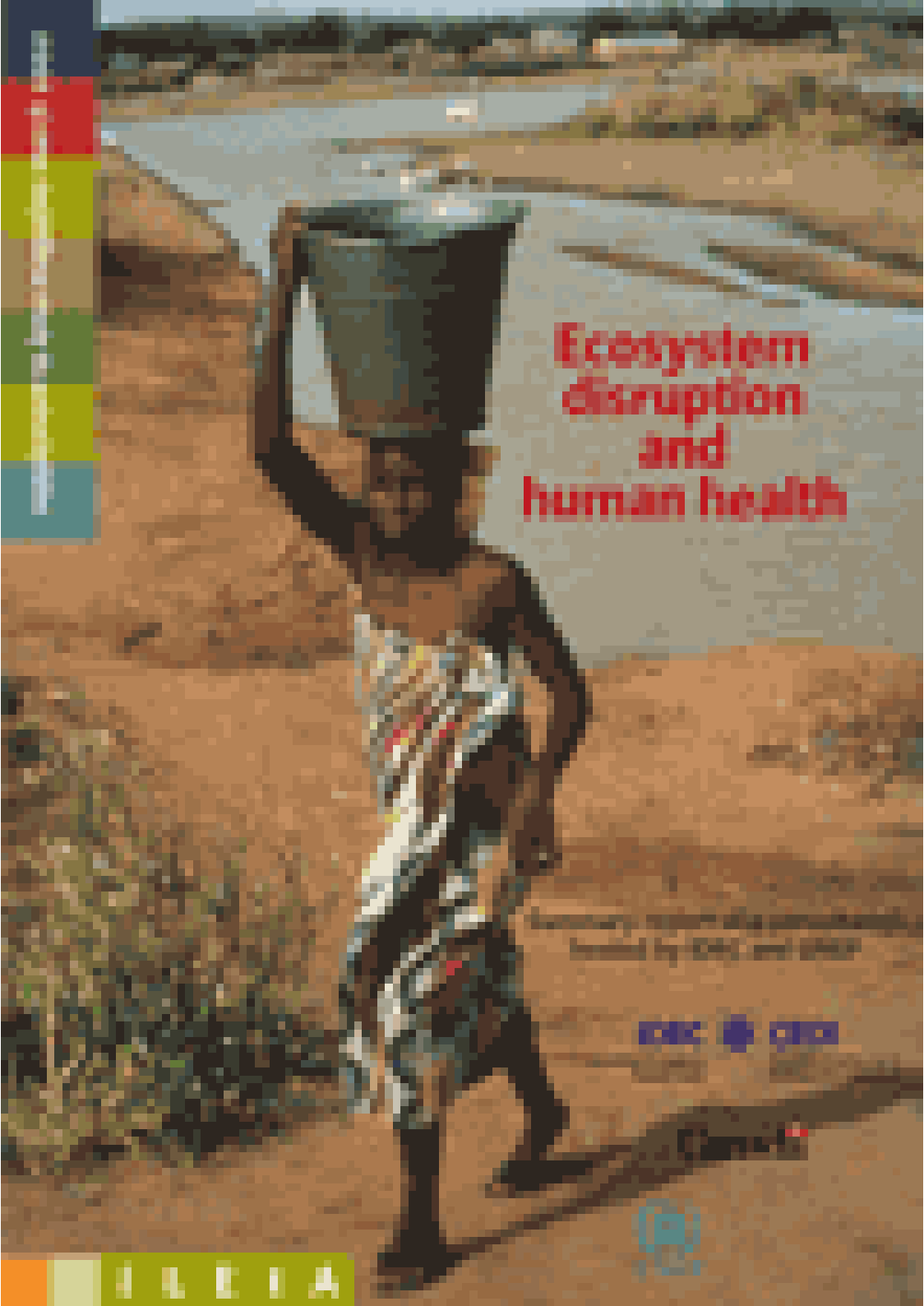
Recreating living soil

# LEISA

Magazine on Low External Cost and Sustainable Agriculture



Women managing change

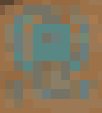


# Ecosystem disruption and human health

Summary Report of the  
Workshop on Ecosystem Disruption  
and Human Health

WHO • UNEP

Geneva 2004



# LEISA

Magazine of Low External Cost and Sustainable Agriculture



Learning with Farmer Field Schools

# LEISA

Magazine on Low External Input and Sustainable Agriculture

Using every drop of water

# LEISA

Magazine on Low External Input and Sustainable Agriculture

Rights and resources

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Magazine on Low External Input and Sustainable Agriculture

Reversing degradation





# NEGLECTED CROPS

1492 from a  
different  
perspective

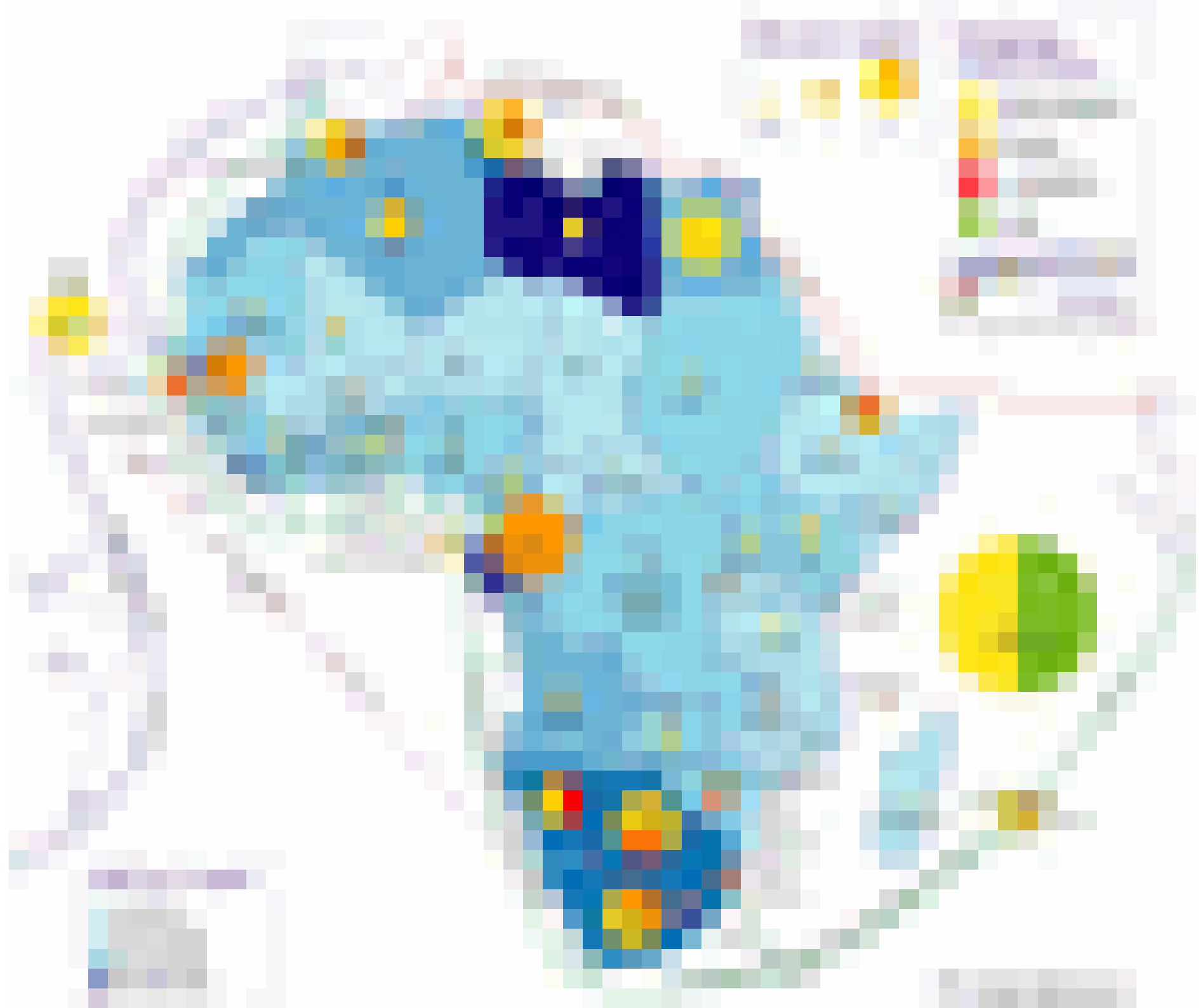
Food  
and  
Agriculture  
Organization  
of  
the  
United  
Nations





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Population

GDP per capita

Telephone lines

Cellular Phones

Televisions

Computers

Internet

- 1992
- 1993
- 1994
- 1995
- 1996
- 1997
- 1998
- 1999
- 2000
- 2001
- 2002







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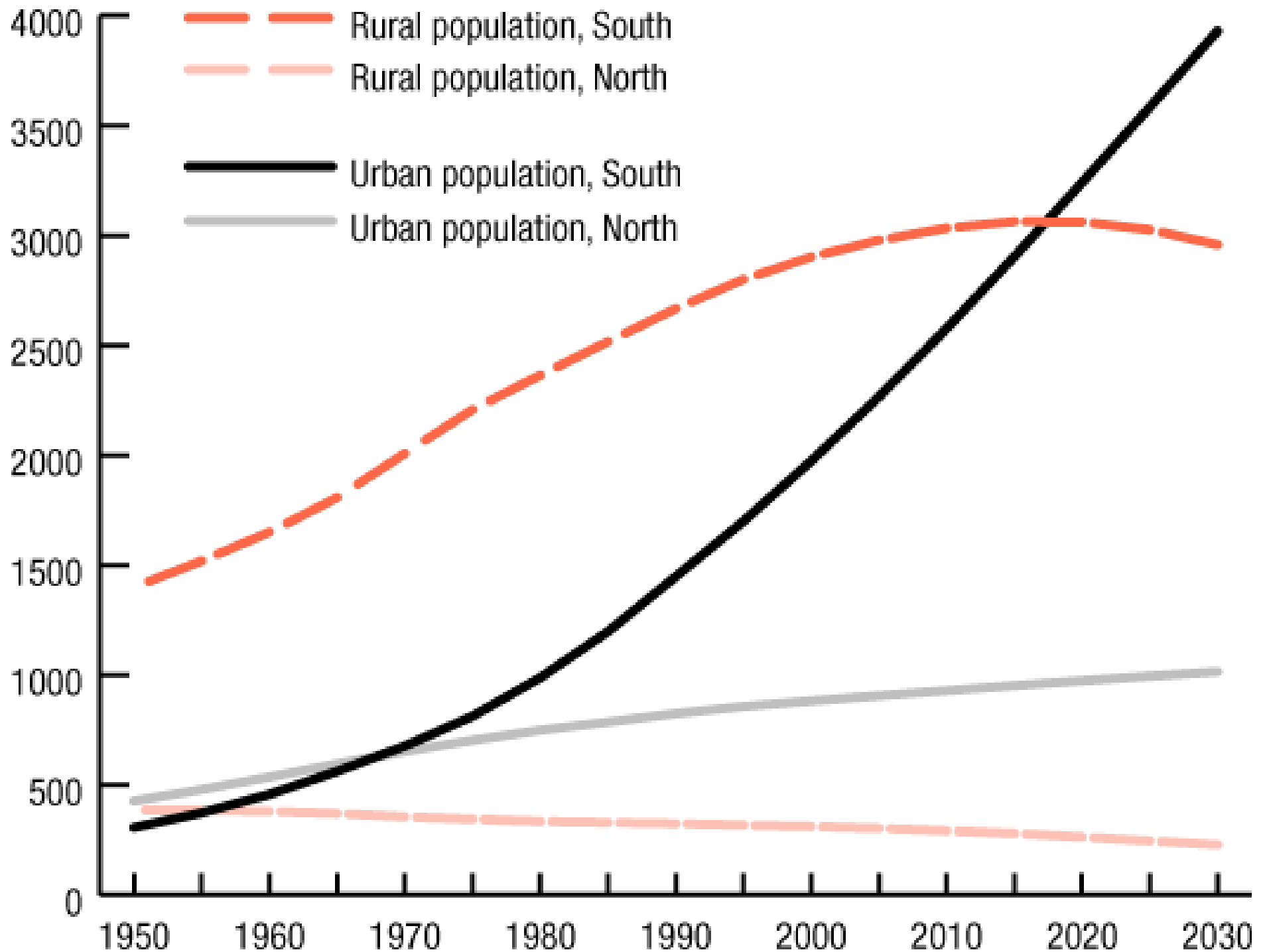


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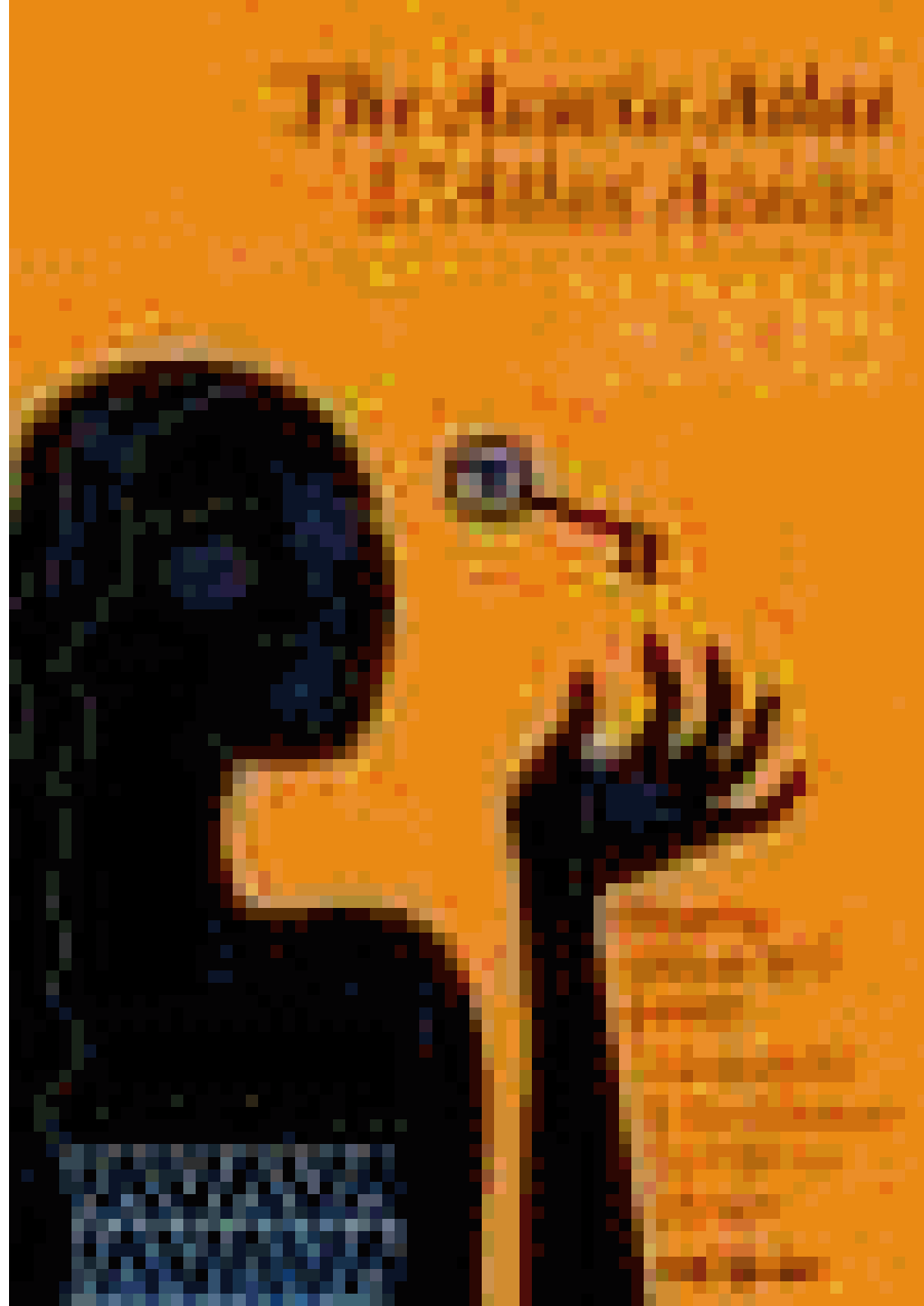


Population  
(millions)









ECOplata

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# Environment Global Links

## Changes and Changes the sustainable approach to disease prevention

Environmental health is a rapidly growing field, and the World Health Organization (WHO) is leading the way in this area. The organization is working to improve the health of people in low-income countries, where the burden of disease is highest. This is done through a variety of means, including providing clean water, improving sanitation, and promoting healthy behaviors.

WHO is also working to improve the health of people in high-income countries, where the burden of disease is lower. This is done through a variety of means, including providing clean air, promoting healthy behaviors, and improving the health care system.

—WHO

## Building an infrastructure: a community of practice for environmental health in Latin America and the Caribbean (EAHCLC)

The EAHCLC is a community of practice for environmental health in Latin America and the Caribbean. It was created in 2004 and is now a well-established organization. The organization is working to improve the health of people in the region through a variety of means, including providing clean water, improving sanitation, and promoting healthy behaviors.

The EAHCLC is also working to improve the health of people in the region through a variety of means, including providing clean air, promoting healthy behaviors, and improving the health care system. The organization is also working to improve the health of people in the region through a variety of means, including providing clean water, improving sanitation, and promoting healthy behaviors.

—EAHCLC

## From leader to partner

### for WHO's sustainable future

WHO is a leader in the field of environmental health, and it is working to improve the health of people in low-income countries, where the burden of disease is highest. This is done through a variety of means, including providing clean water, improving sanitation, and promoting healthy behaviors.

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11, rue de la Libération  
1202 Geneva, Switzerland  
Tel: +41 22 717 7121  
Fax: +41 22 717 7122  
www.who.int

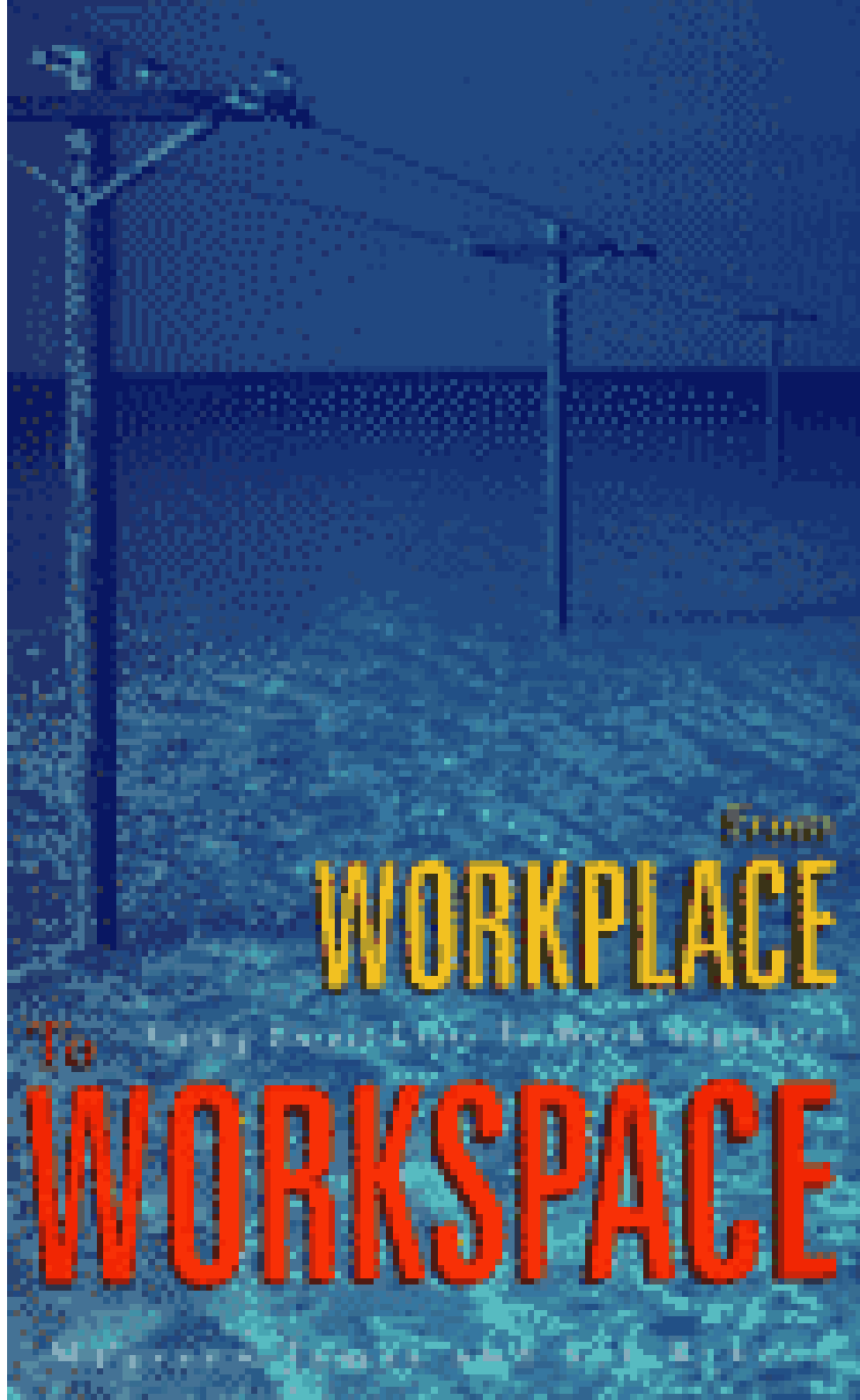
EAHCLC  
Calle de la Libertad 100  
01000 San José, Costa Rica  
Tel: +506 2222 2222  
Fax: +506 2222 2222  
www.eahclc.org

WORLD  
A NEW  
SOUTH  
AFRICA

SCIENCE AND  
TECHNOLOGY  
POLICY







From

**WORKPLACE**

To

**WORKSPACE**

**in\_focus**

# Health

**AN ECOSYSTEM APPROACH**

*by Joan Lebel*

*Foreword by Pierre Danovaro*

**THE ISSUE**

**CASE STUDIES**

**LEARNING AND RECOMMENDATIONS**

PIF AND  
A NEW  
**SOUTH  
AFRICA**

LEBANON  
POLICY





DIVERSITY,  
GLOBALIZATION,  
AND THE WAYS  
OF NATURE

DANIEL J. ANTON

# The Bottom Line

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Industry and the Environment  
in South Africa



Edited by Lutz Preussler & Michael Goldstein

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Industrial Strategy Project

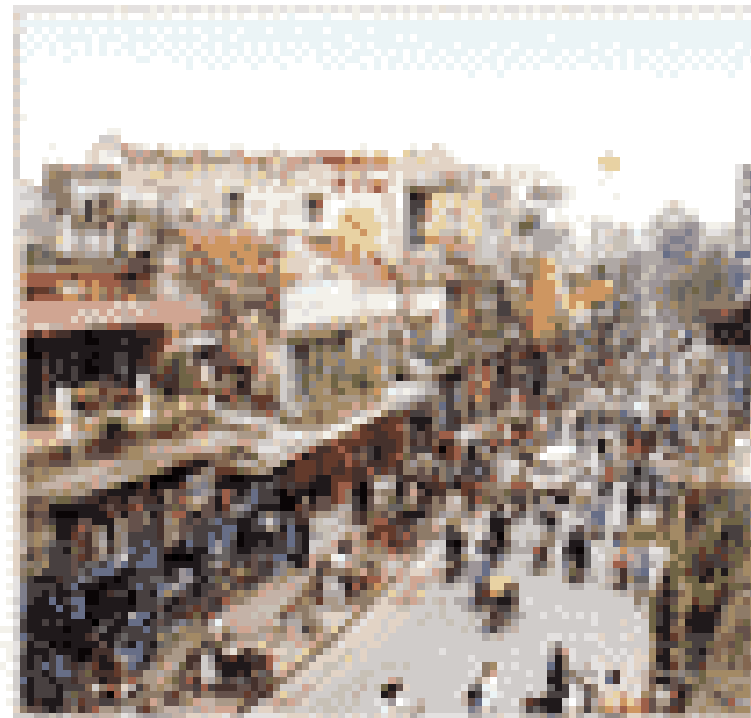
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Centre de Recherches de  
Royal Parvaneva

# Habitat et environnement urbain au Viêt-nam

Hanoi et Hô Chi Minh-Ville



# Net Gain

A new method for protecting America's health

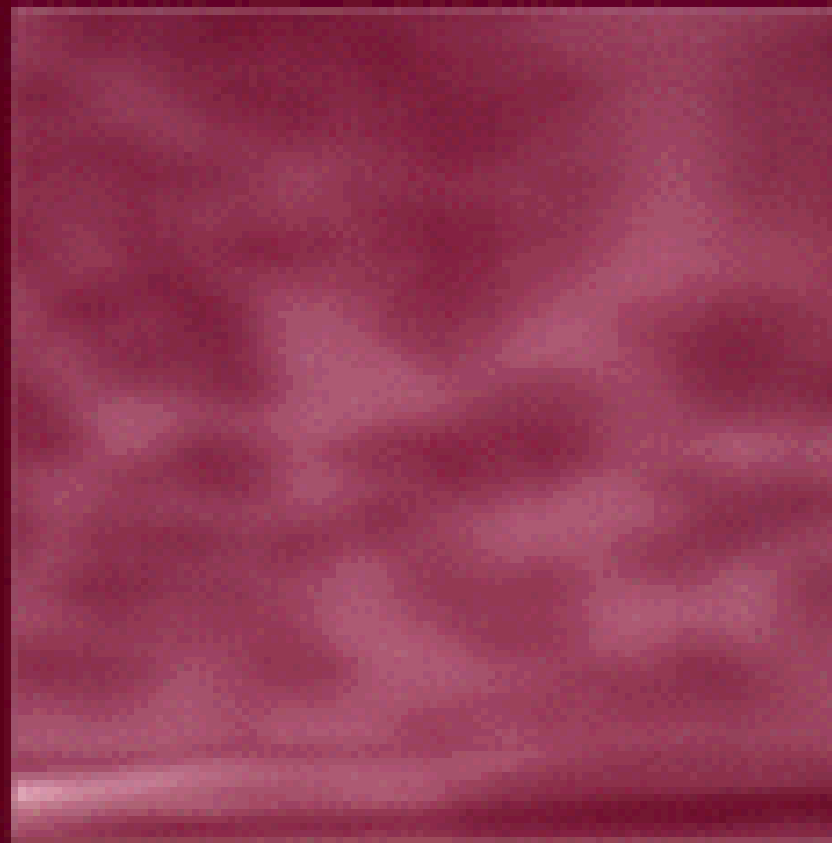


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Edited by  
A. S. Bhalla

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# GLOBALIZATION, GROWTH AND MARGINALIZATION



INTERNATIONAL  
LABOUR OFFICE



WORLD BANK



# Agents of Change

Studies on the Policy Environment for Small Enterprise in Africa



Edited by Philip English and George Hirsch

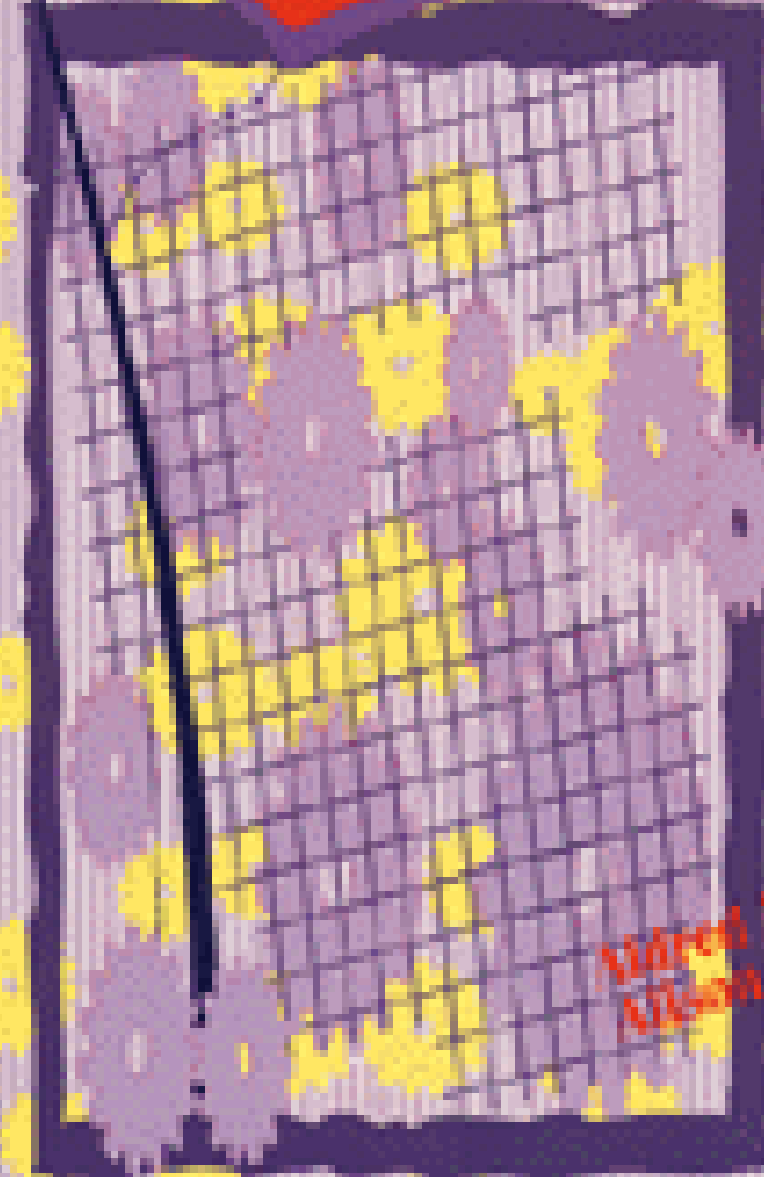
# COPING WITH CAPITAL SURGES

*The  
Return  
of  
Finance  
to  
Latin  
America*

Edited by  
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and  
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Griffith-Jones**

# Disability and Self-directed Employment

Business Development Models



United Way  
Allison Albrecht



# Smoke & Mirrors

THE CANADIAN TOBACCO WAR

by **ROB CLARKE**

interview by **JANE DE**

introduction by **ALICE MACKAY**



A DECADE OF  
REFORM

Science & Technology  
Policy in China

十載革新

Information Technology  
for Sustainable Development

# KNOWLEDGE SOCIETIES

...IN A NUTSHELL

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# From Defence to Development

REDIRECTING MILITARY RESOURCES  
IN SOUTH AFRICA



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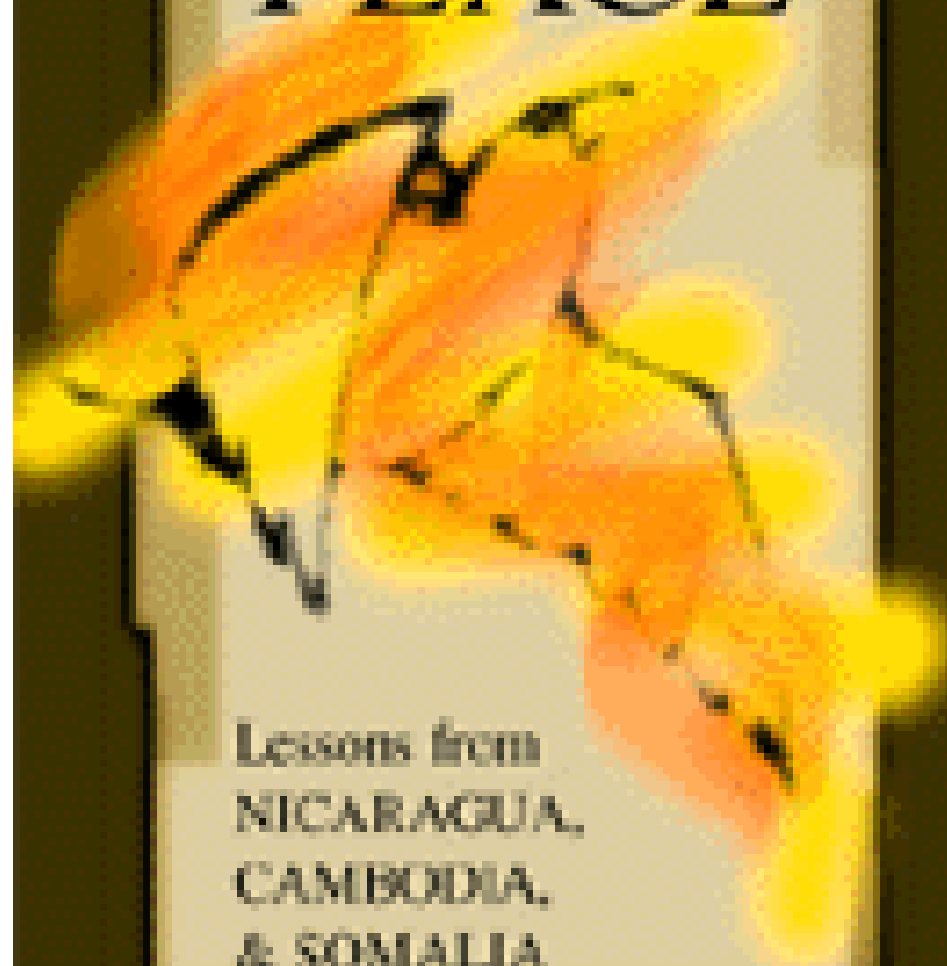
# Community Power & Grassroots Democracy

THE TRANSFORMATION OF SOCIAL LIFE



EDITED BY MICHAEL KAUFMAN &  
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CANADA  
MISSIONS FOR  
PEACE



Lessons from  
NICARAGUA,  
CAMBODIA,  
& SOMALIA

# INTERDEPENDENCE, DISEQUILIBRIUM AND GROWTH

REFLECTIONS ON THE  
POLITICAL ECONOMY OF  
NORTH-SOUTH RELATIONS  
AT THE TURN OF THE  
CENTURY

JOHN COLLIER

DFP



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Alaska

68°--

66°--

64°--

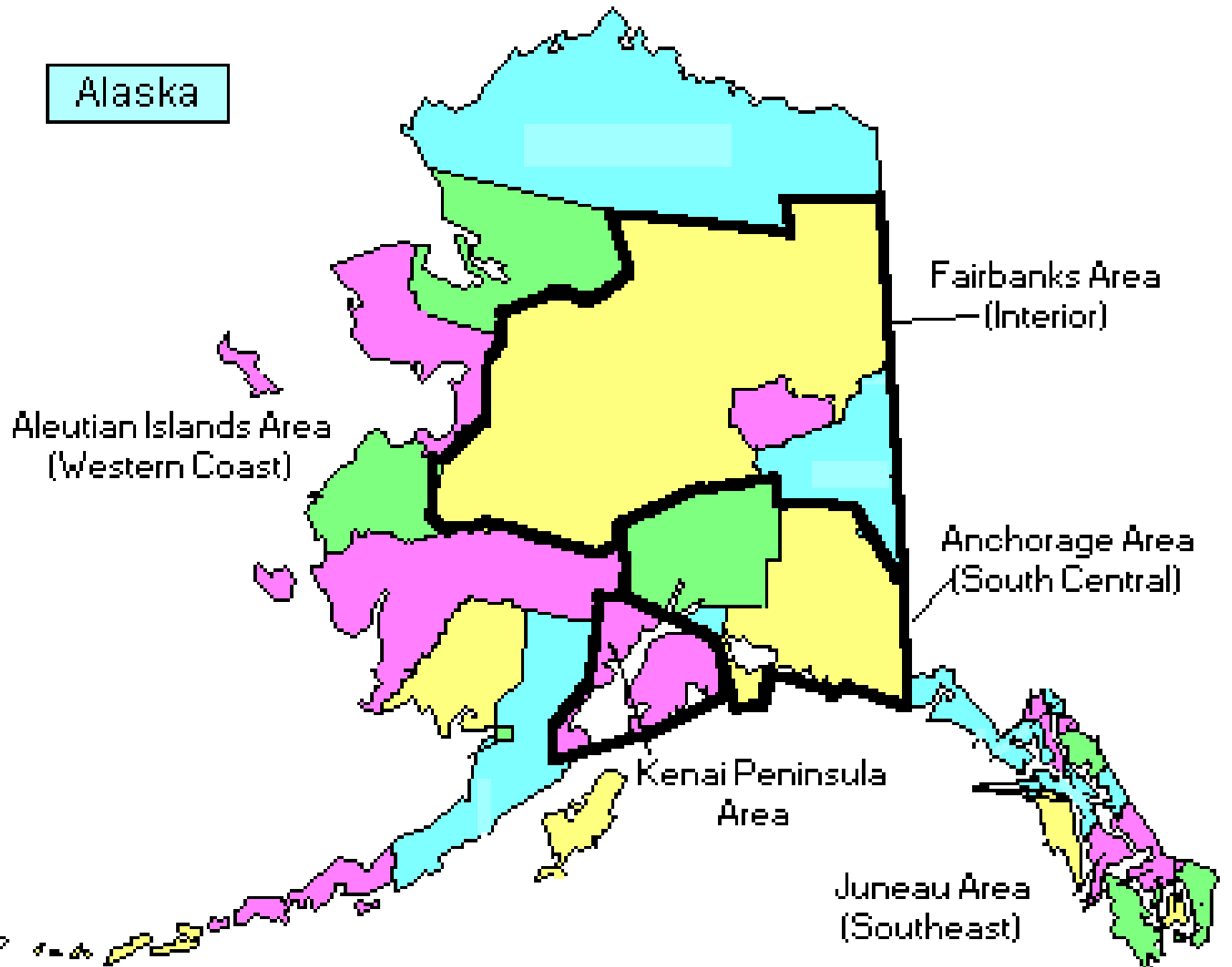
62°--

60°--

58°--

56°--

54°--



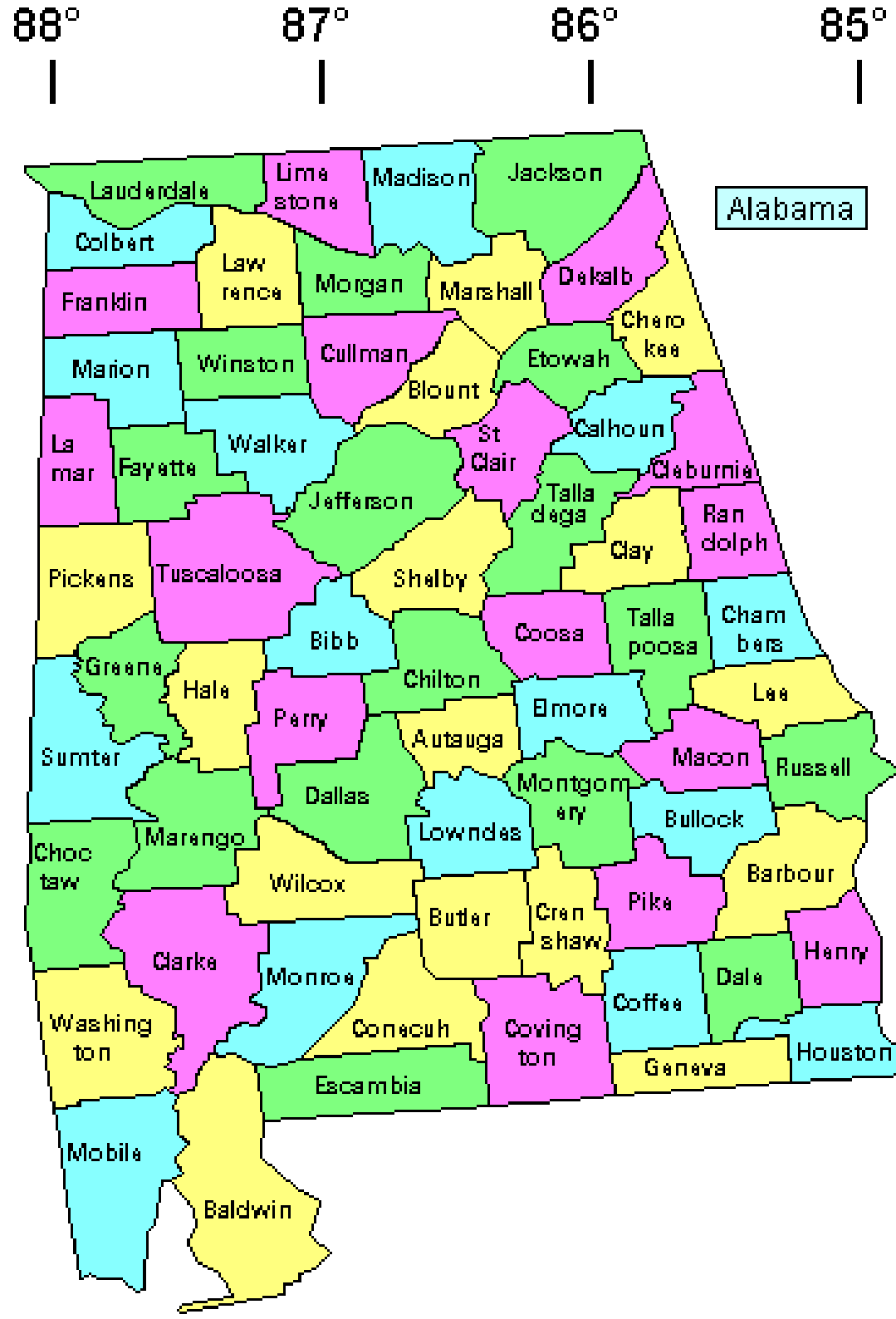
Fairbanks Area  
(Interior)

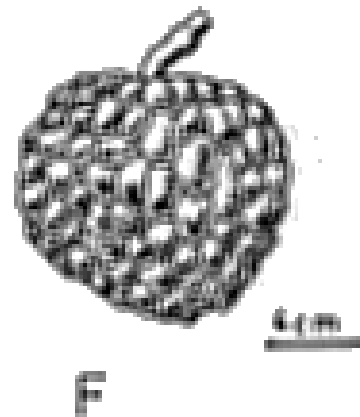
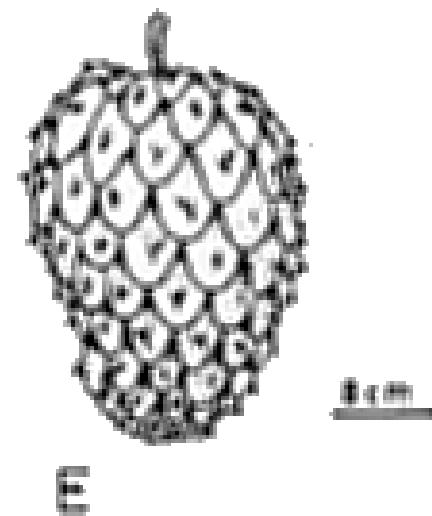
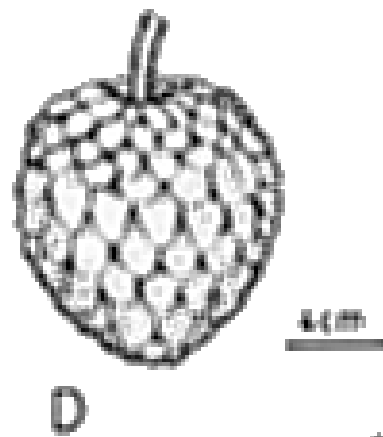
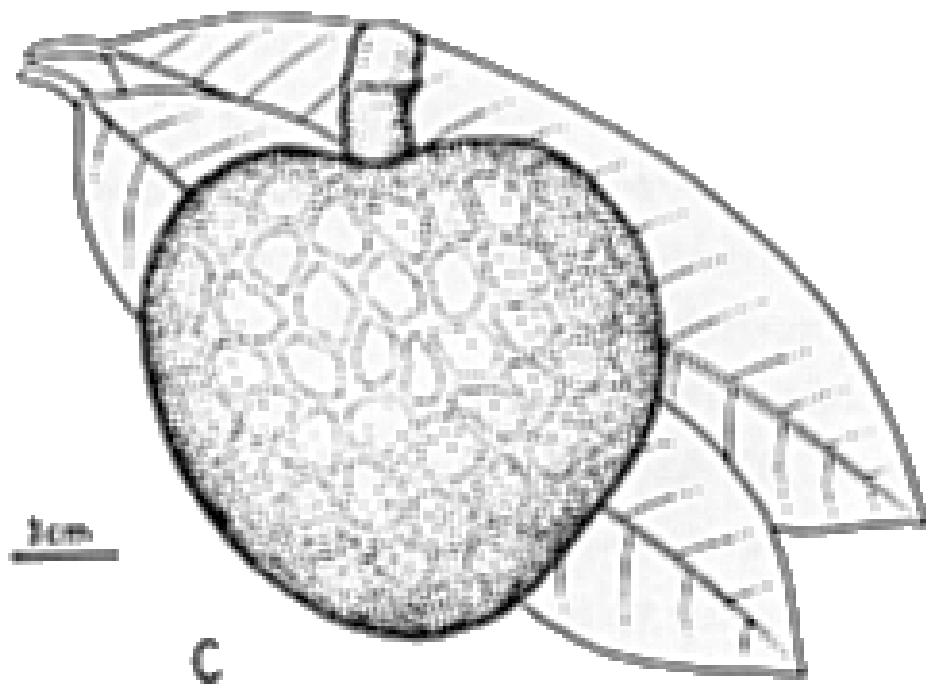
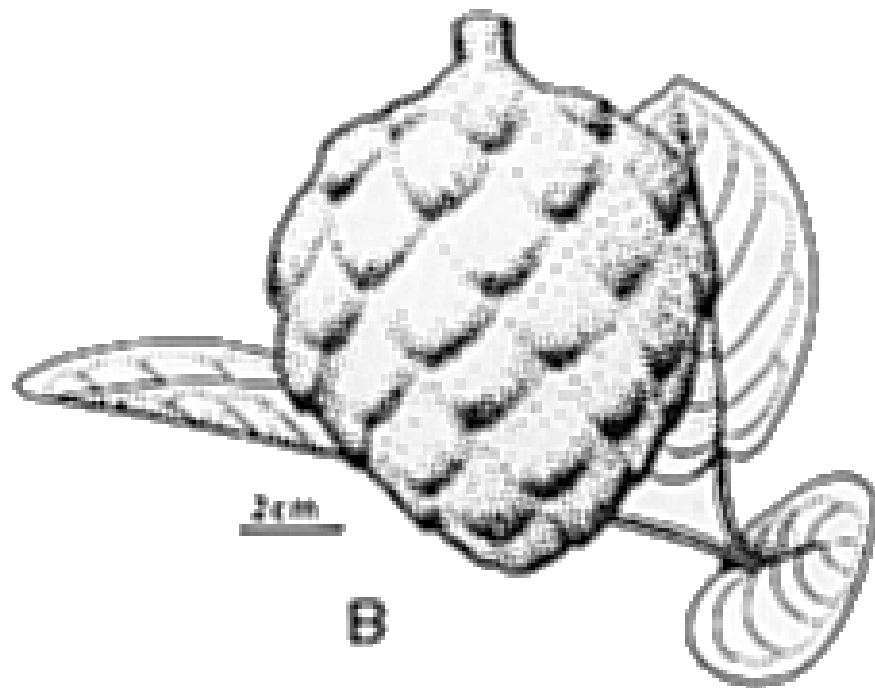
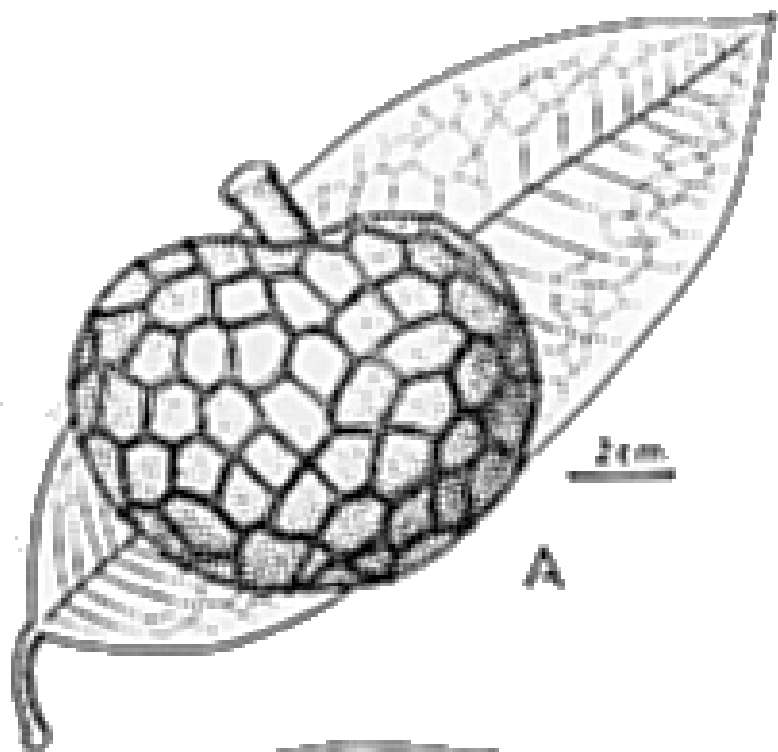
Aleutian Islands Area  
(Western Coast)

Anchorage Area  
(South Central)

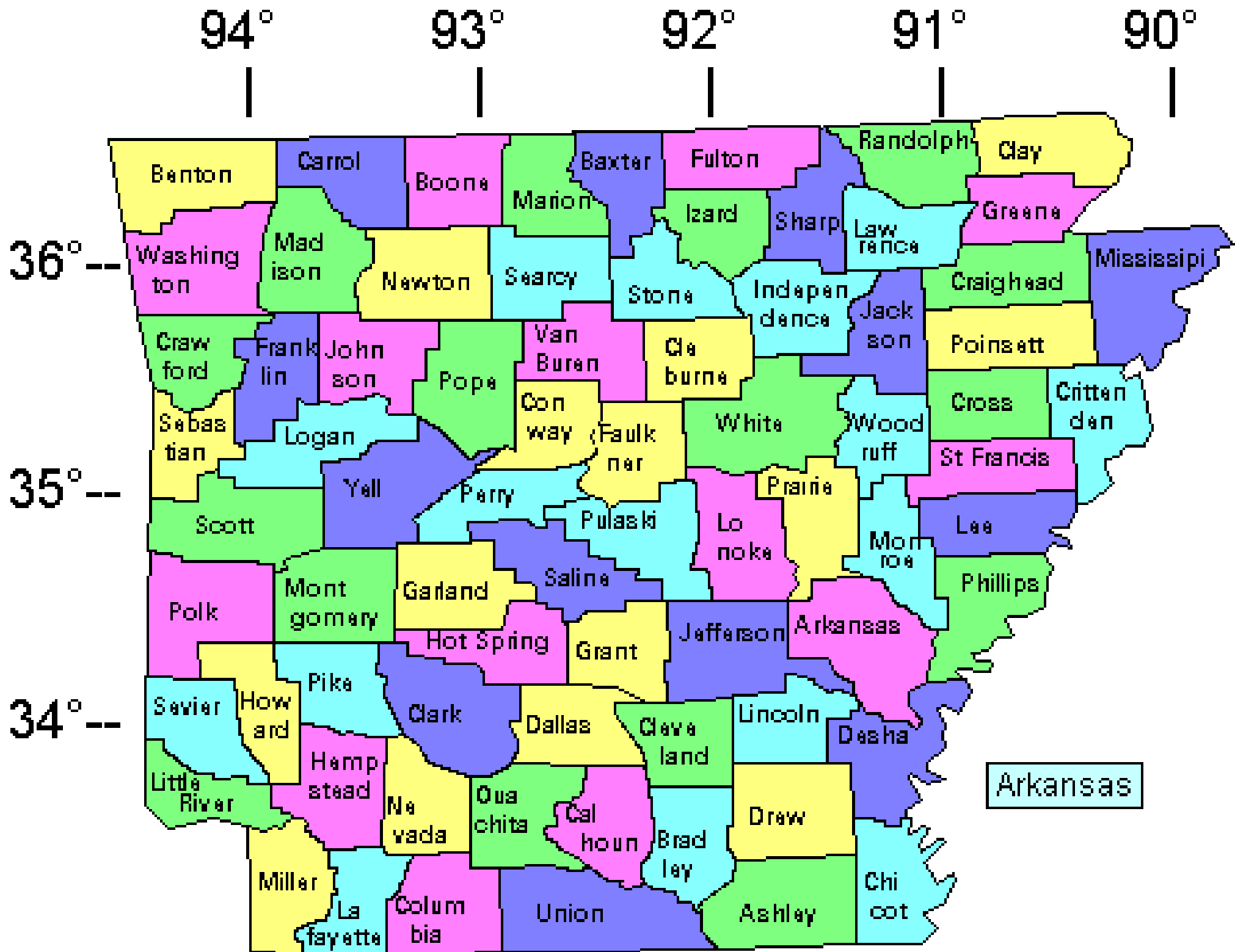
Kenai Peninsula  
Area

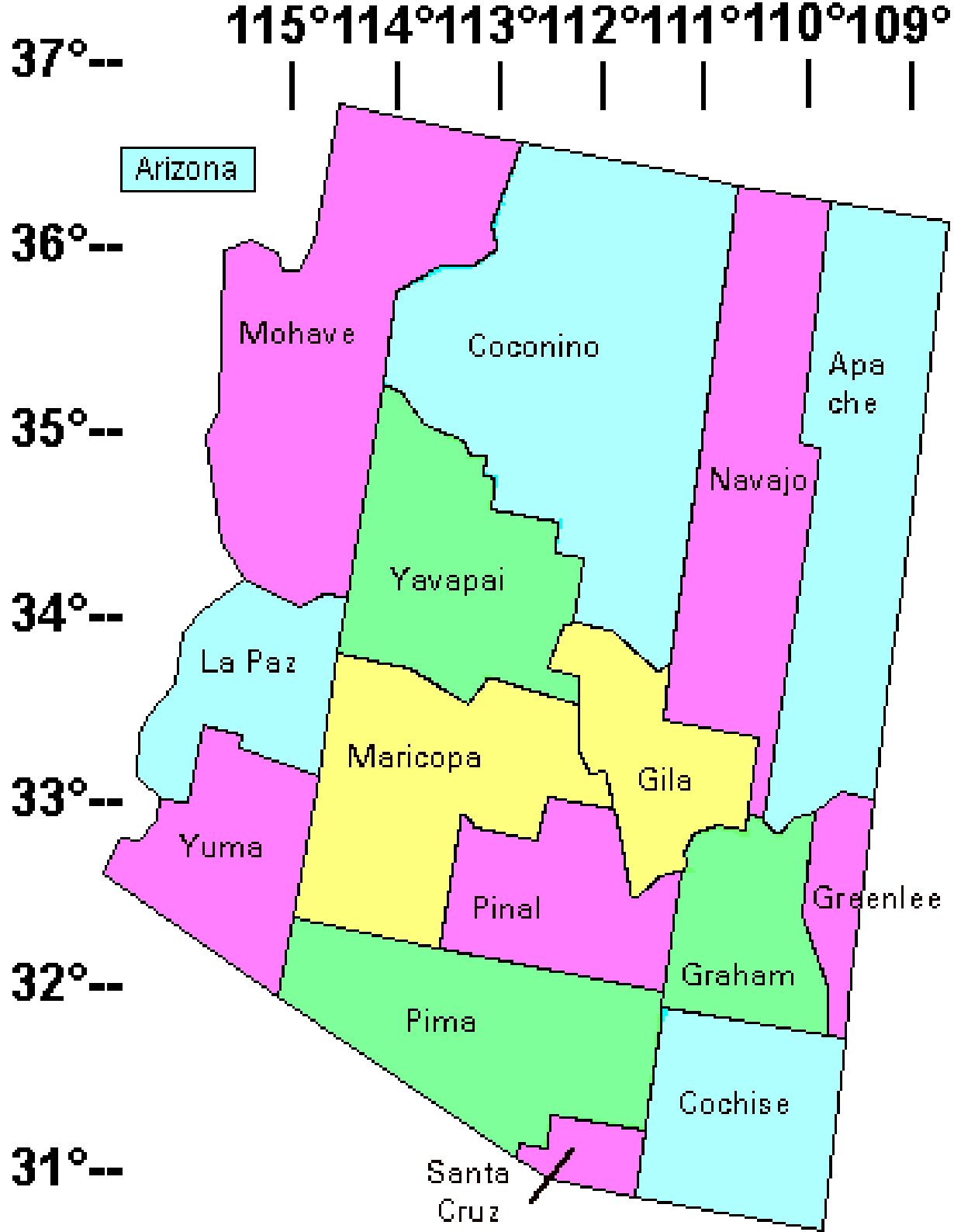
Juneau Area  
(Southeast)











# Additional Recommended Reading

arr.gif

# A Typical Black Mold Question

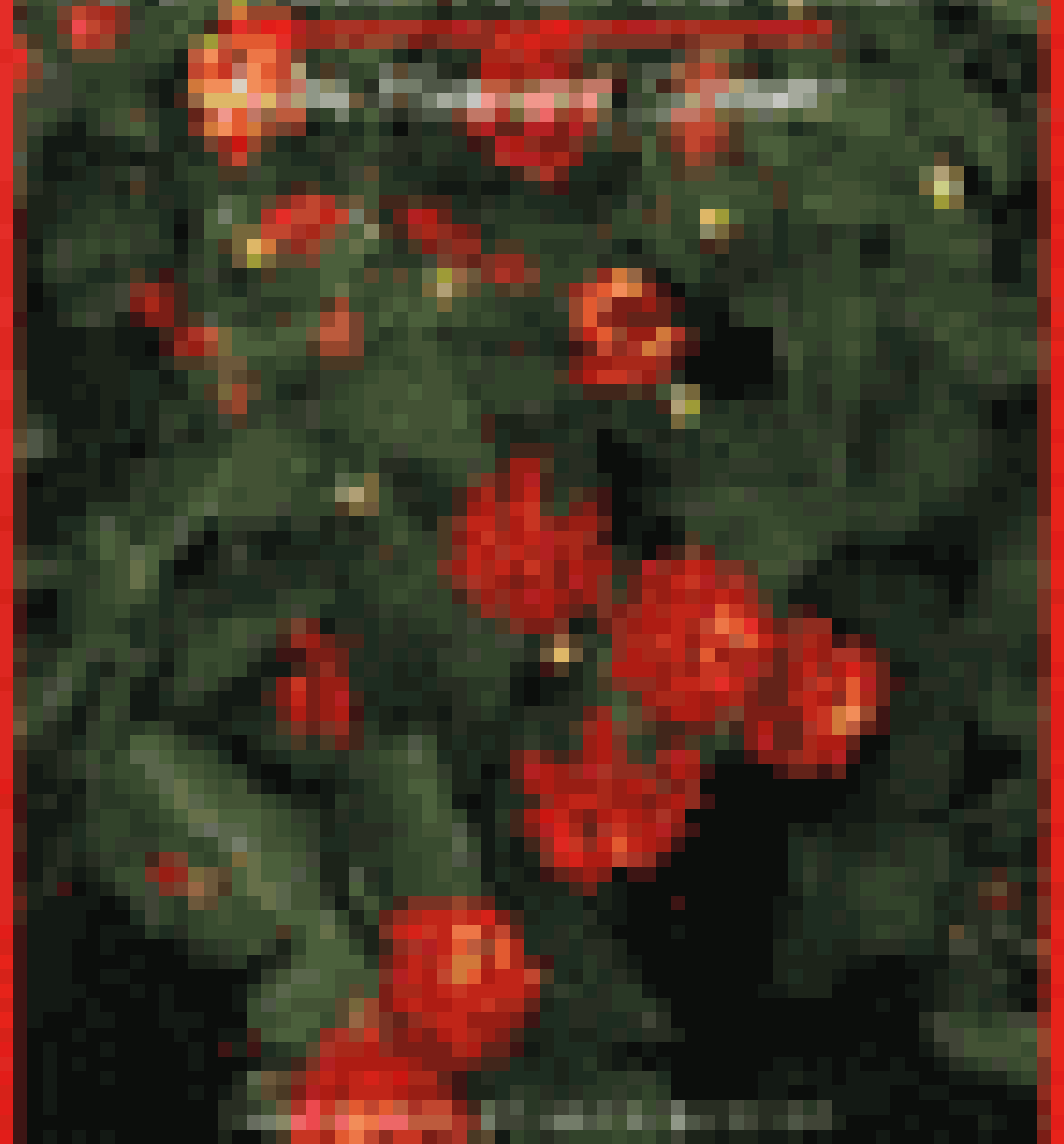
atypical.gif

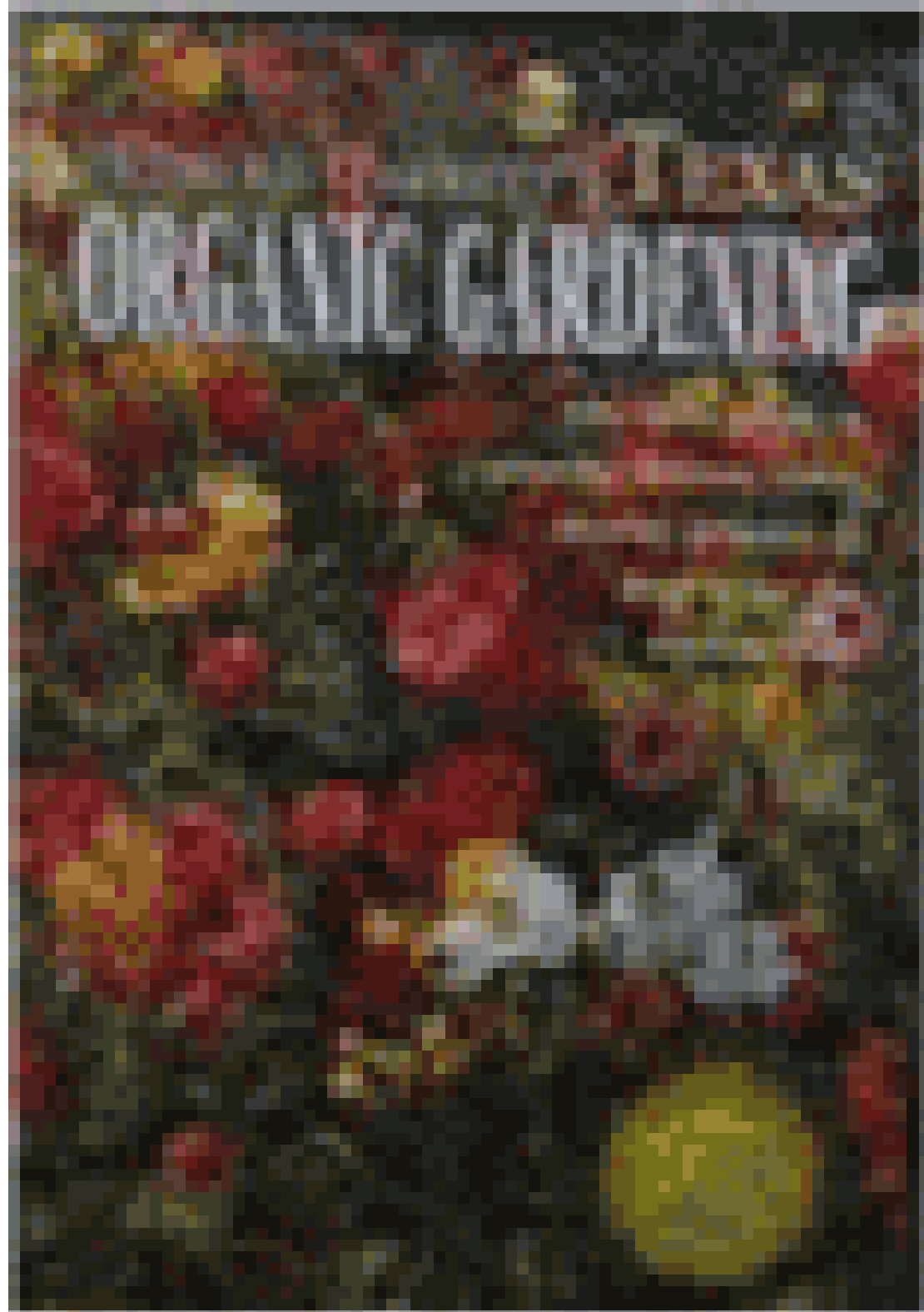
# Basic Organic Materials

basicorganicmaterial.gif

# PLANTS

THE HISTORY OF THE WORLD





# THE ORGANIC MANUAL

Second Edition

Second Edition



Second Edition

Second Edition

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Second Edition

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**PLANTERS**  
*FOR TEXAS*



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VINTAGE  
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Illustration of a fly with a brown and grey body.

TEXAS  
BUG  
BOOK

THE HISTORY  
OF THE BUGS  
OF THE STATE

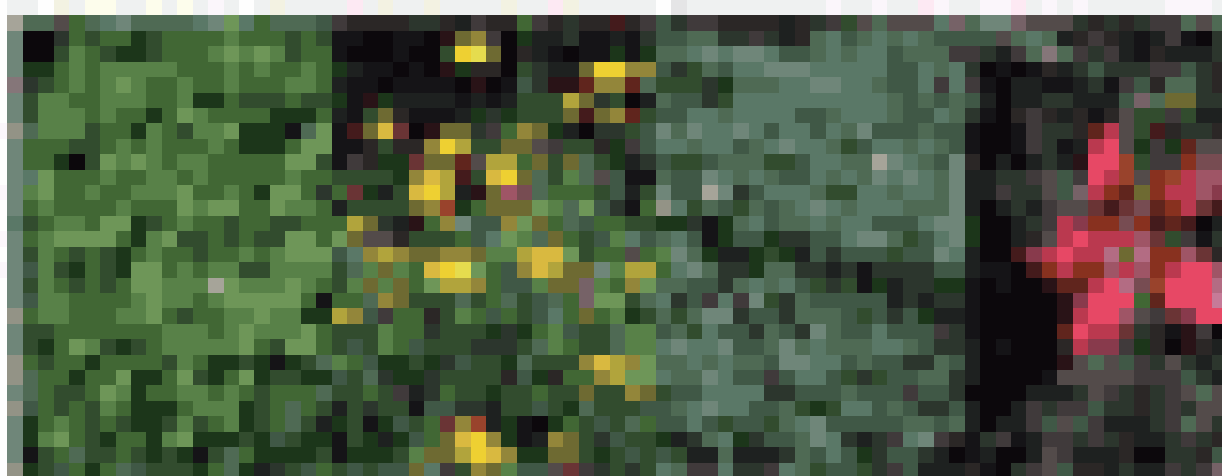


Illustration of a fly with a blue and black body.



Illustration of a fly with a green and white body.





HIERAS ANTICAS



Forest Service

# Texas Trees

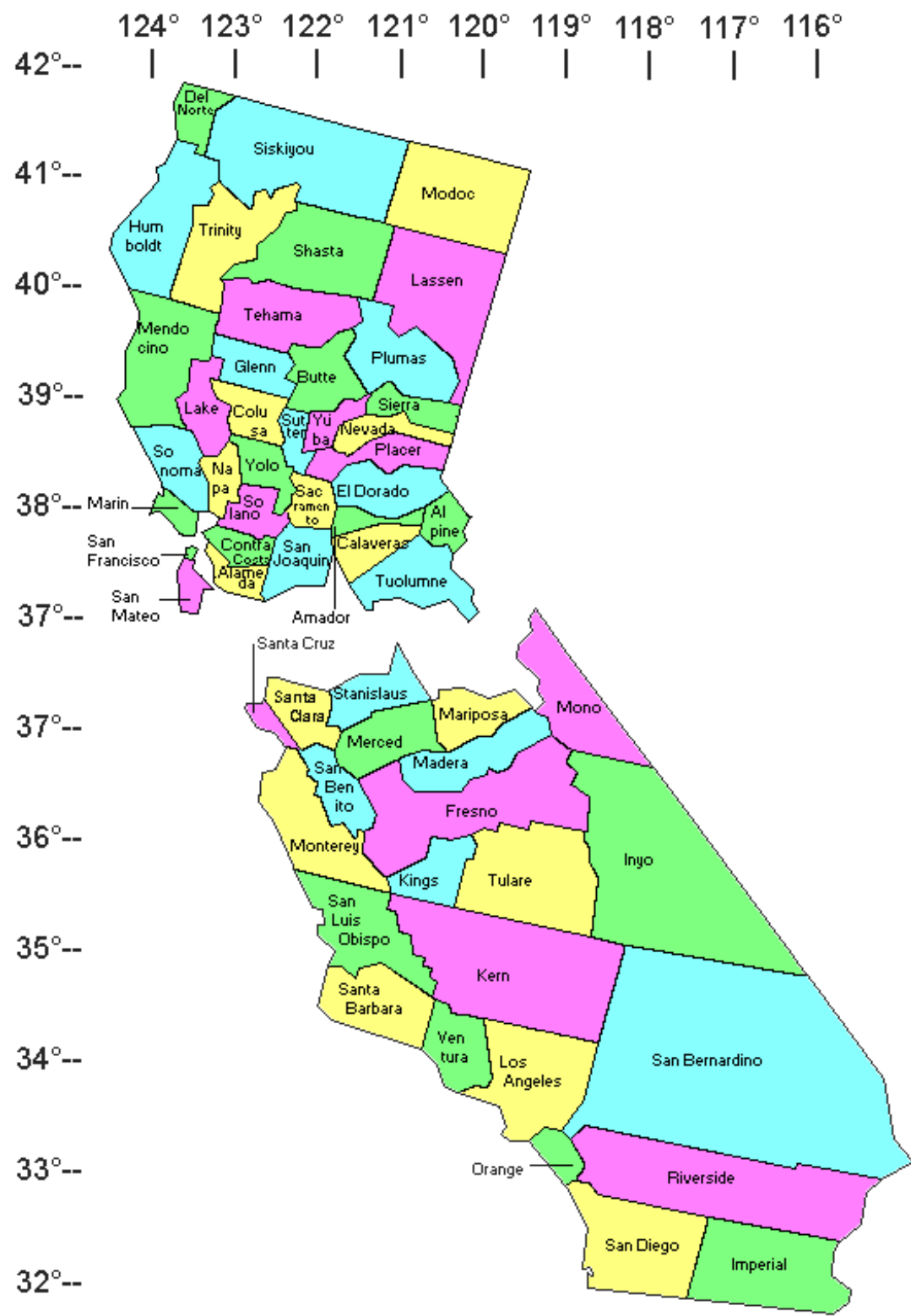




Dear **Wendell**  
Dirt Doctor

Dear Wendell, I have a question about my garden. Please help me!



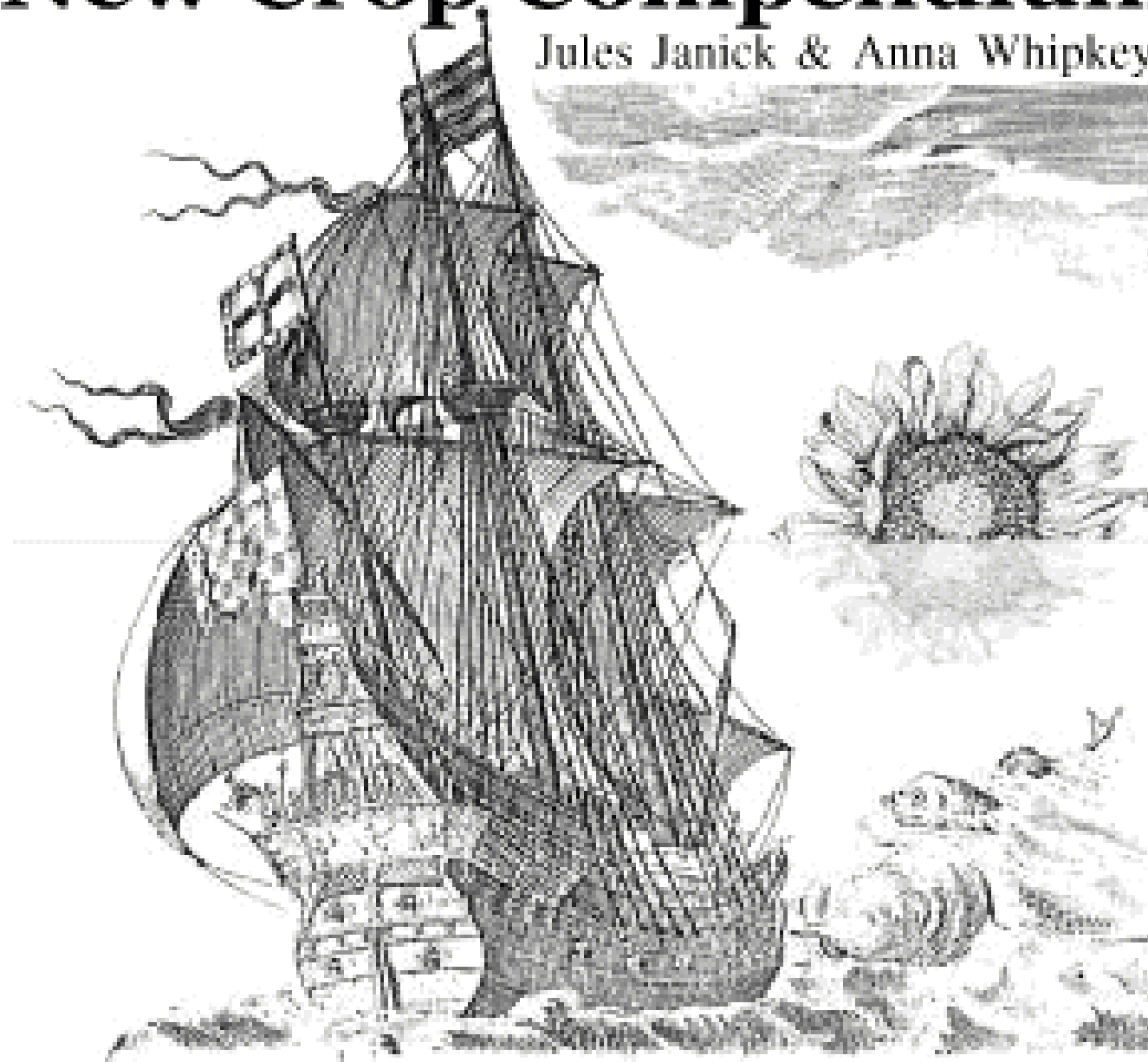




Purdue University Center for New Crops & Plant Products

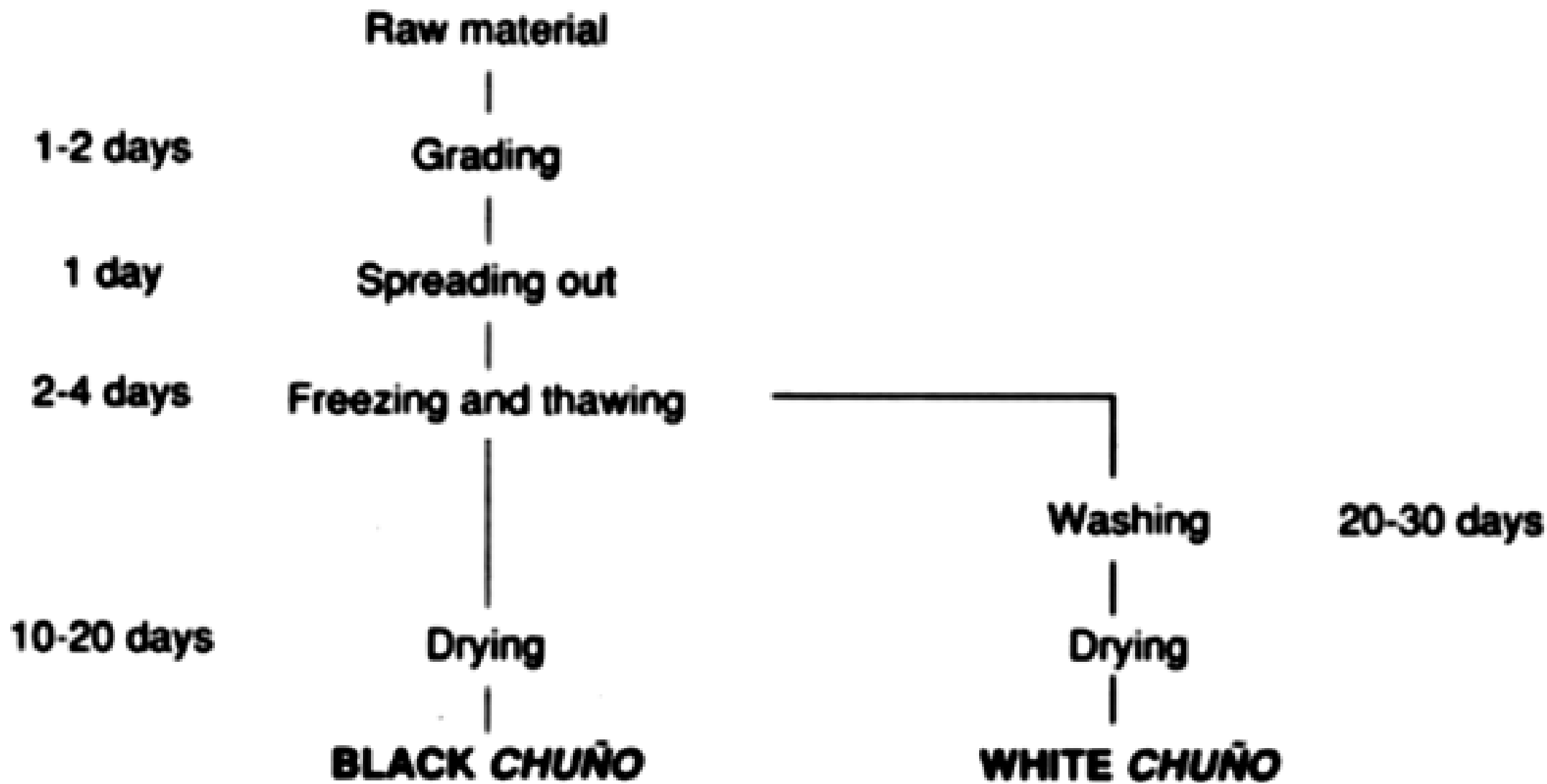
# New Crop Compendium

Jules Janick & Anna Whipkey



## Navigating New Crops

Food and Agriculture Organization of the United Nations



chuno\_fig17.gif

# Investing in Farmers as Researchers

*Experiences with Local Agricultural  
Research Committees in Latin America*



Investing in Farmers and R. Rivera,  
Farmers' Research Committees  
Local Agricultural Research Committees  
and Agricultural Extension

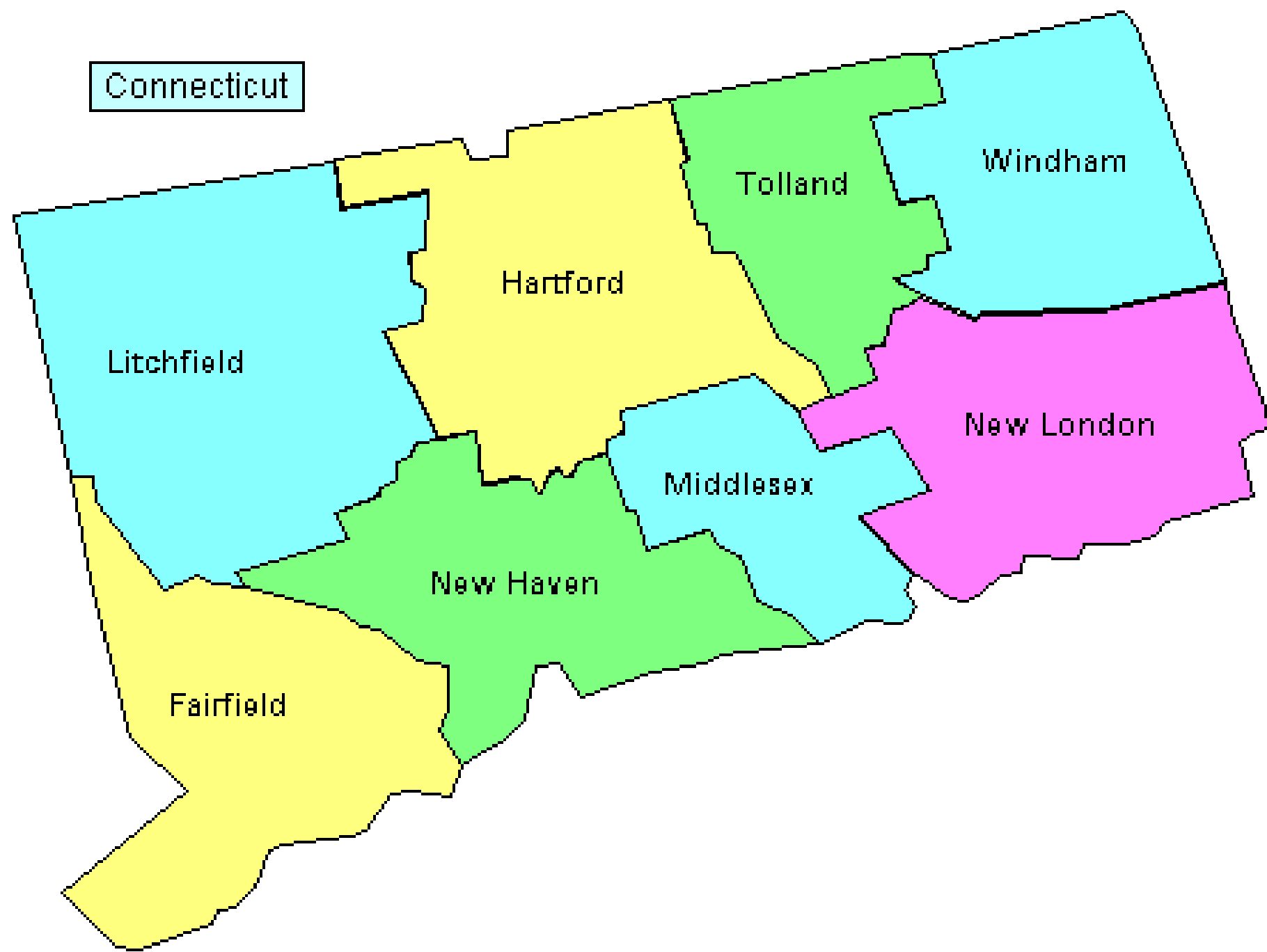
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Connecticut

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Litchfield

Hartford

Tolland

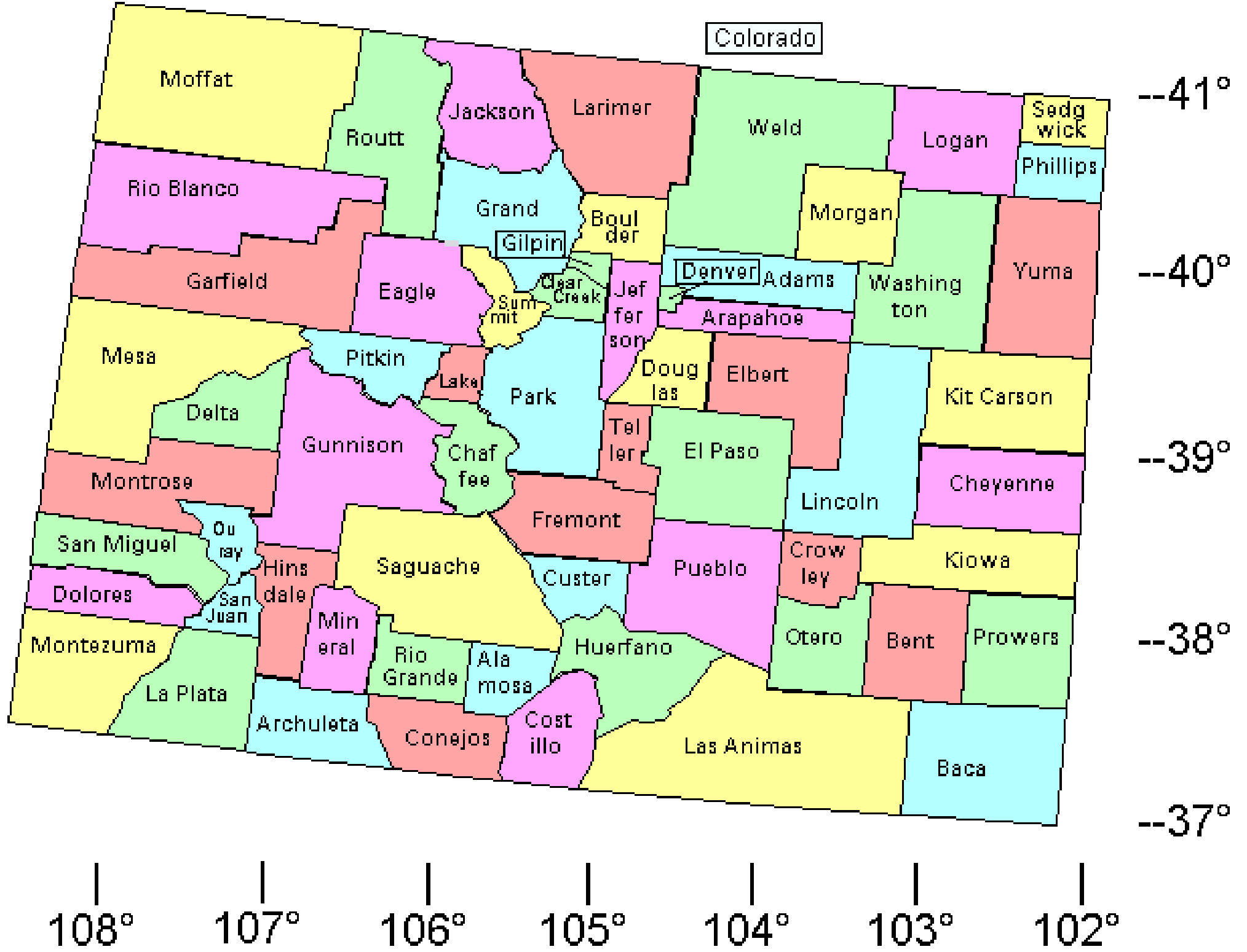
Windham

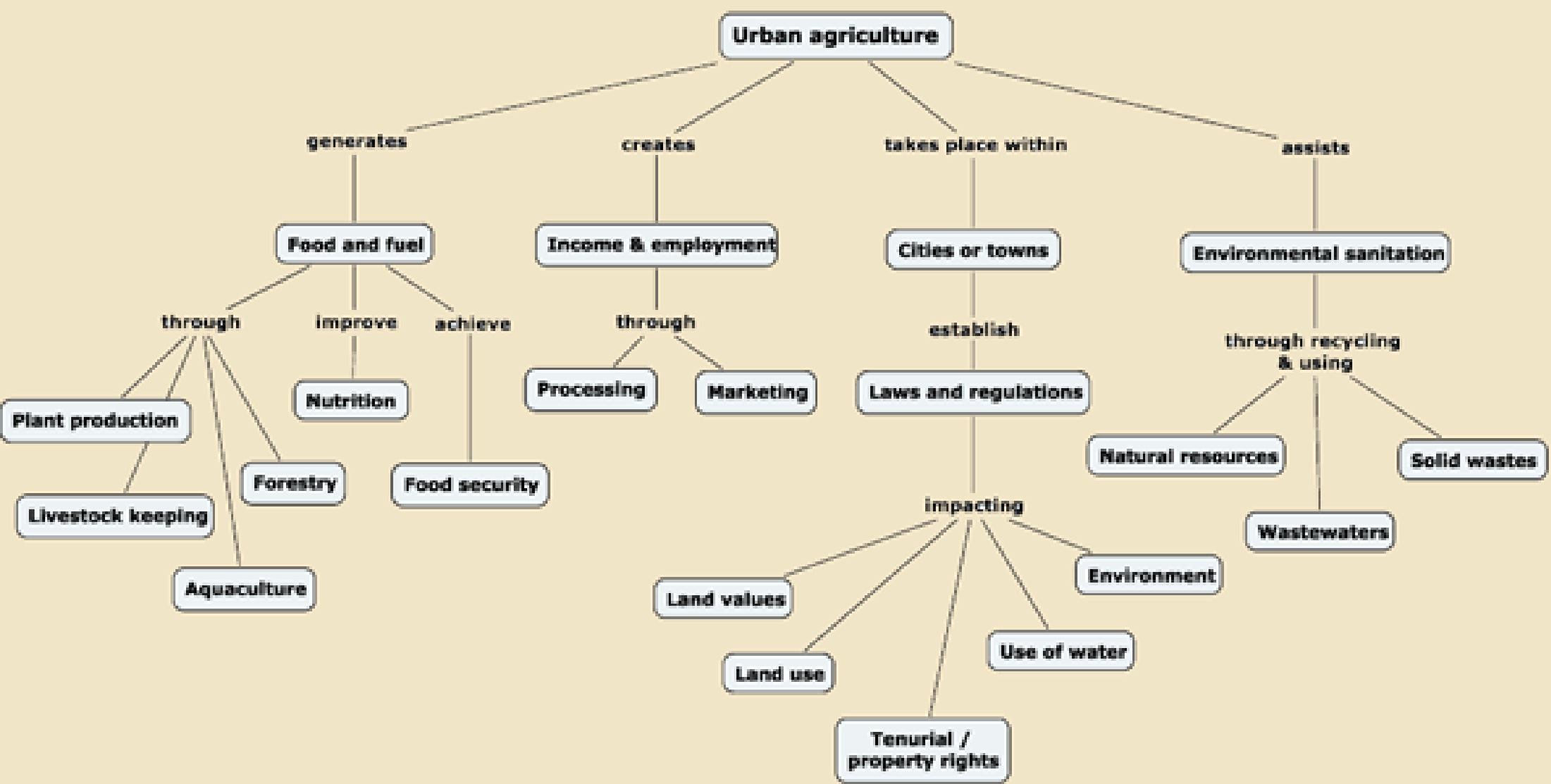
New London

Middlesex

New Haven

Fairfield





concept\_map\_ua.gif

# Cornmeal: Fungal Solutions and More

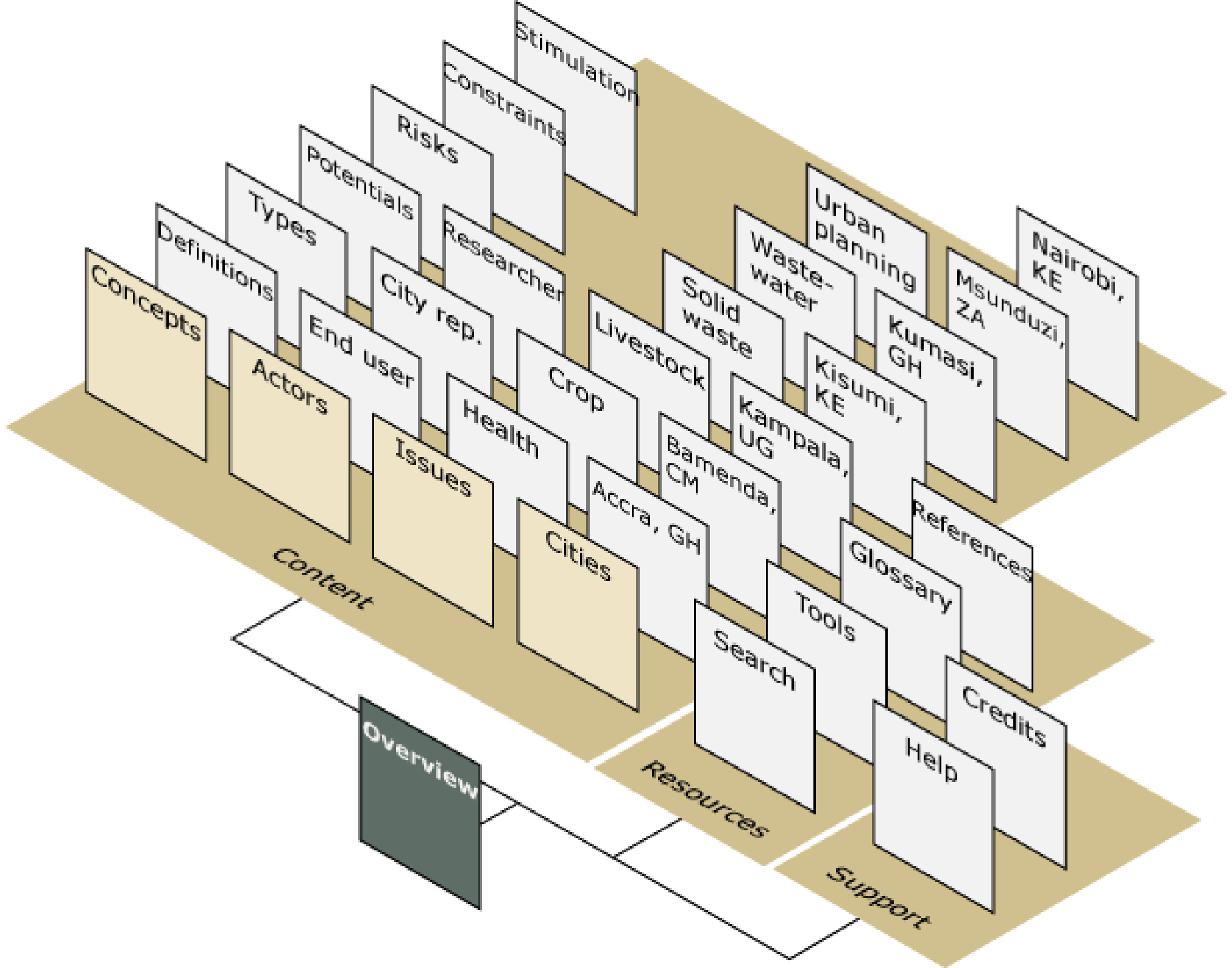
[cornel.gif](http://cornel.gif)

# CORNUCOPIA

*A Source Book of Edible Plants*





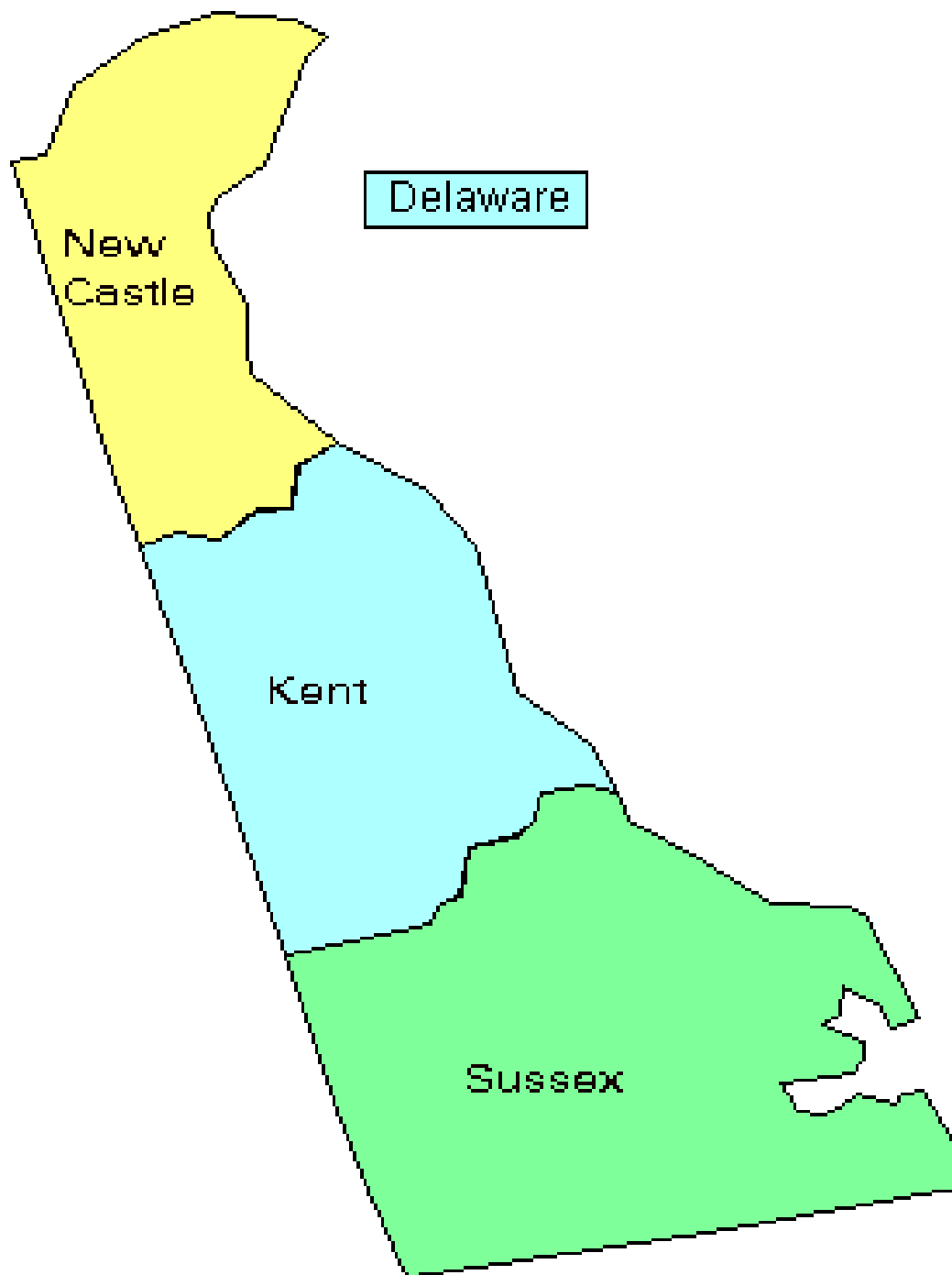




76°



75°



New  
Castle

Delaware

Kent

Sussex

39°--



diseases.gif

# Edible & Medicinal Landscaping Plants

[edible.gif](http://edible.gif)

The Dirt Doctor's

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ORGANIC GARDENING & LIVING

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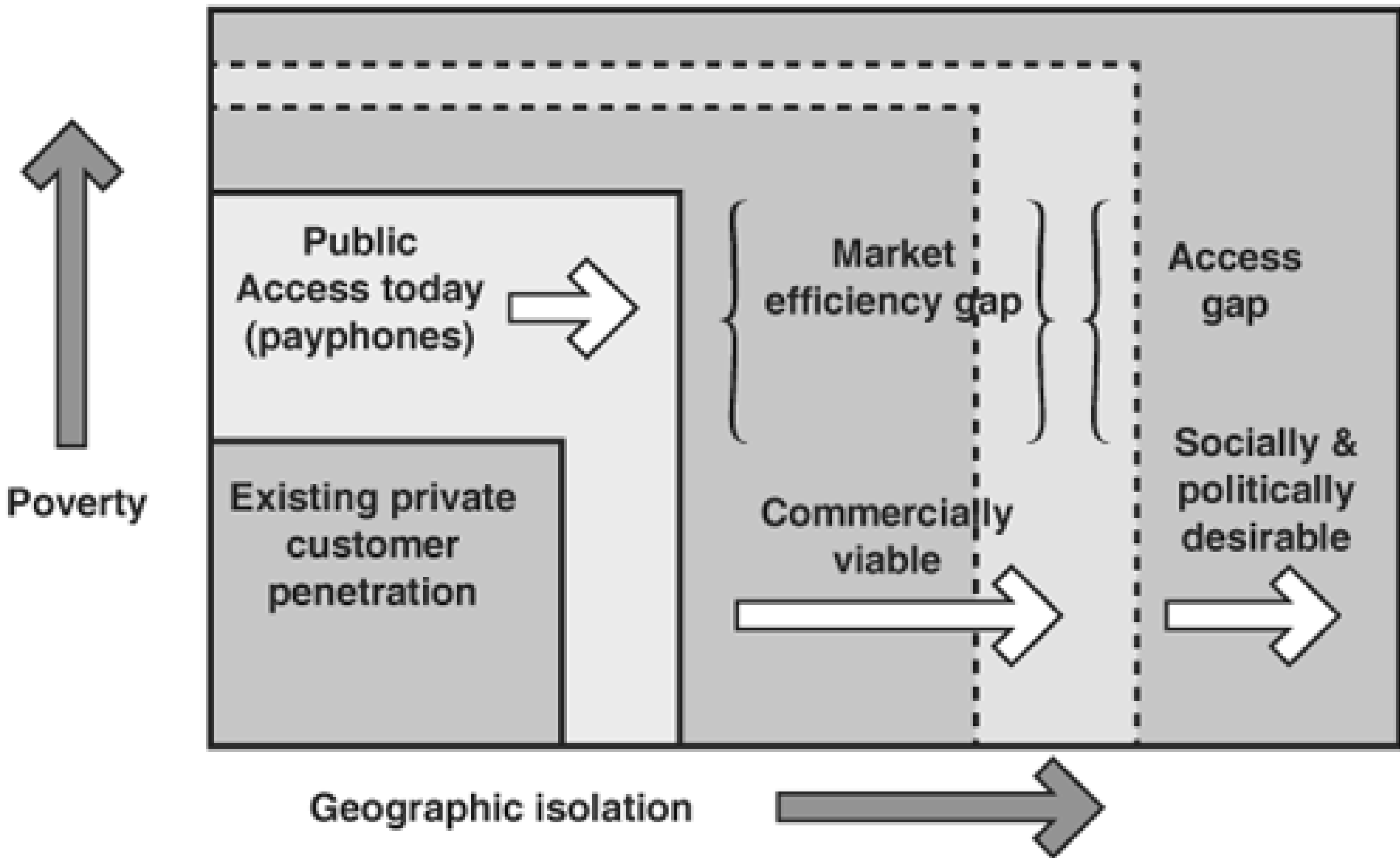
**Ground Crew Productions, Inc.**

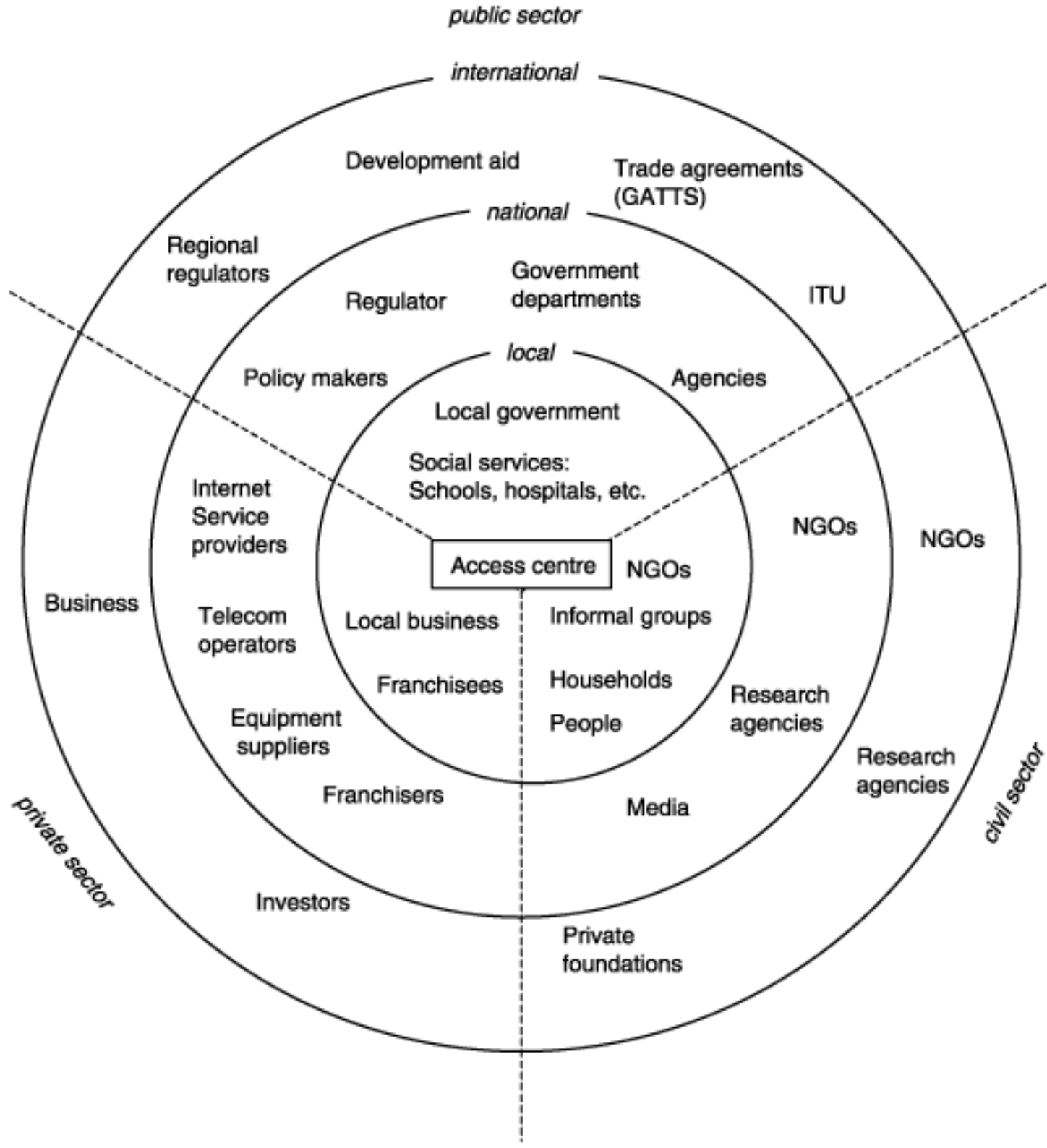
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Dallas, Texas 75214  
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214-824-0668 (fax)*

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questions to the Community Center  
on the website*

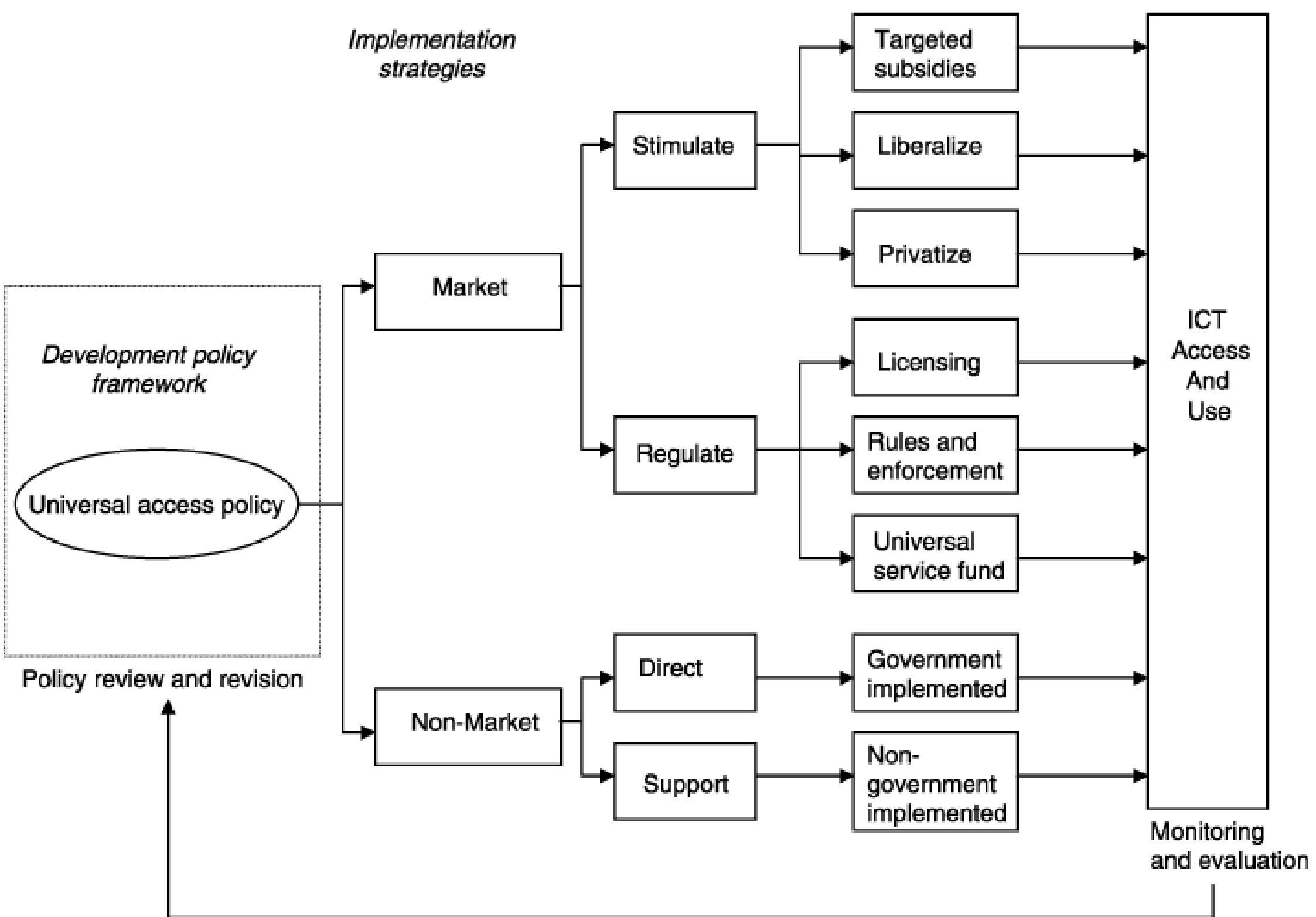
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**Prepare  
study  
objectives**

**Services  
regions  
outcomes**

**Select  
representative  
districts and  
communities**

**Sample size**

**Design  
survey  
instruments**

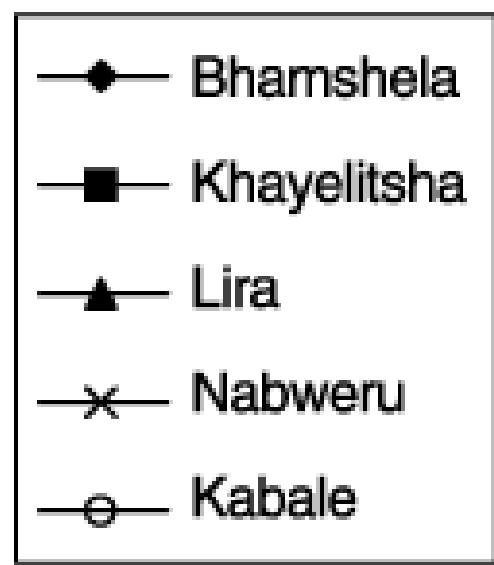
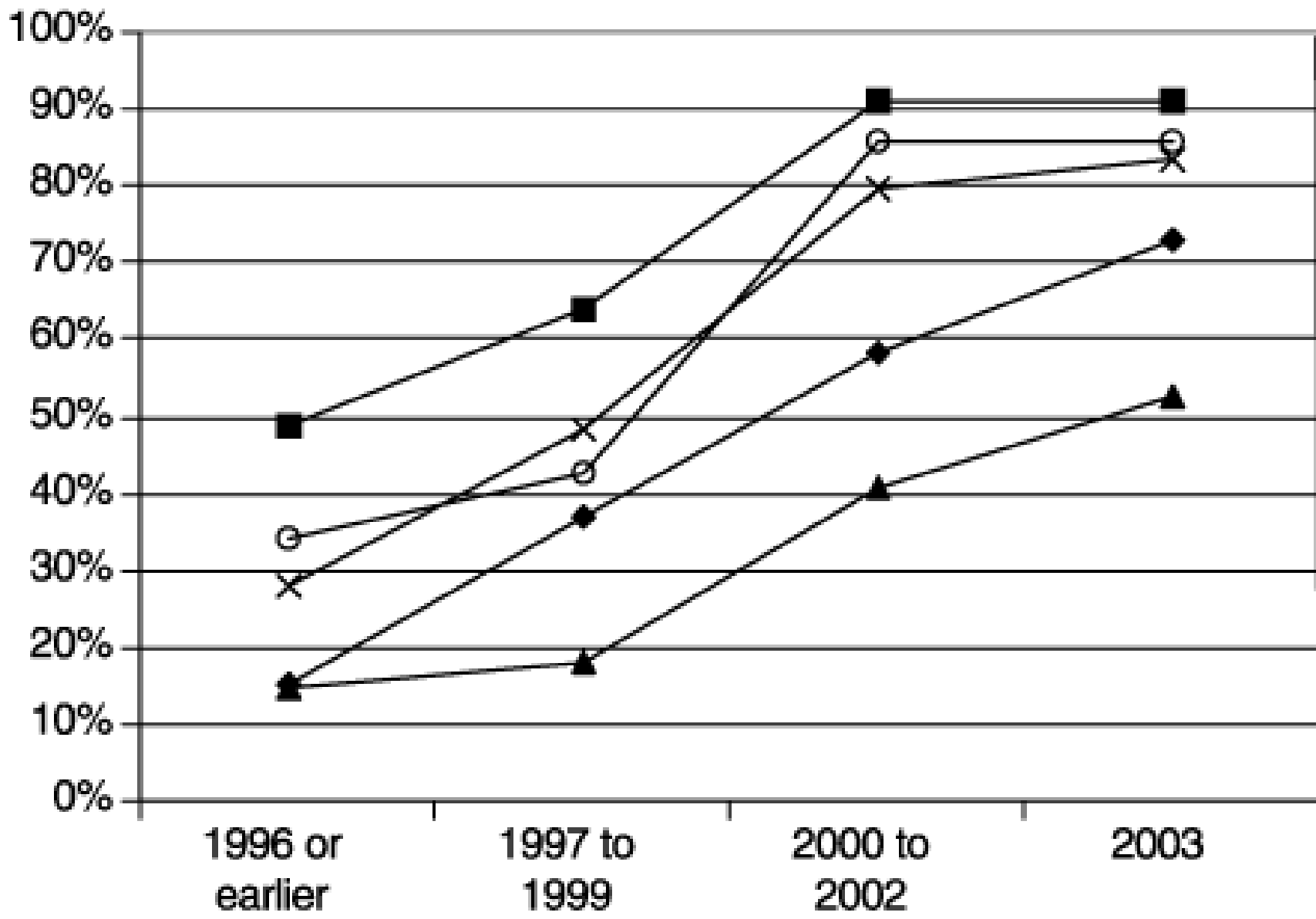
**Checklists,  
questionnaires**

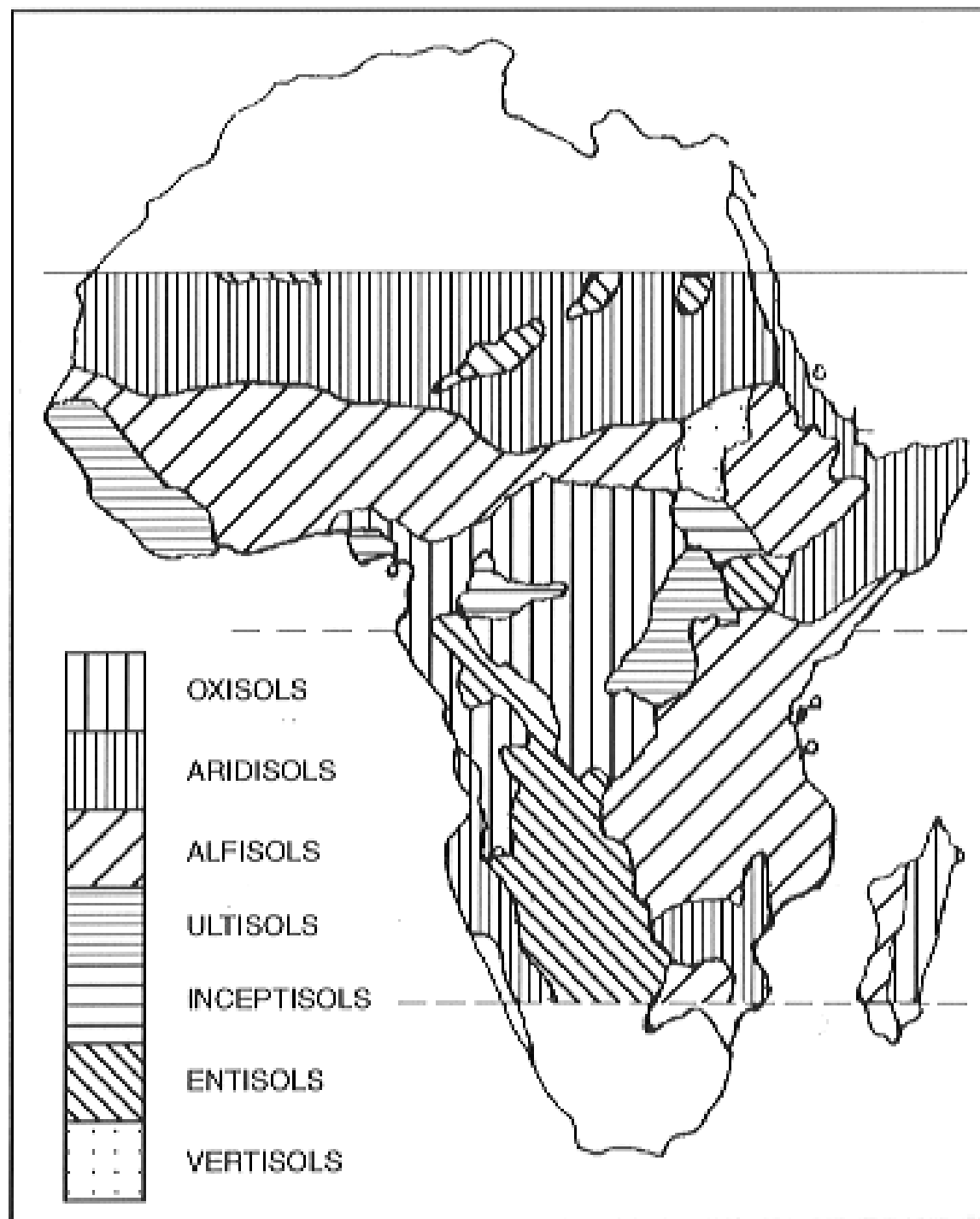
**Survey  
methodology**

**Team  
pilot  
main survey**

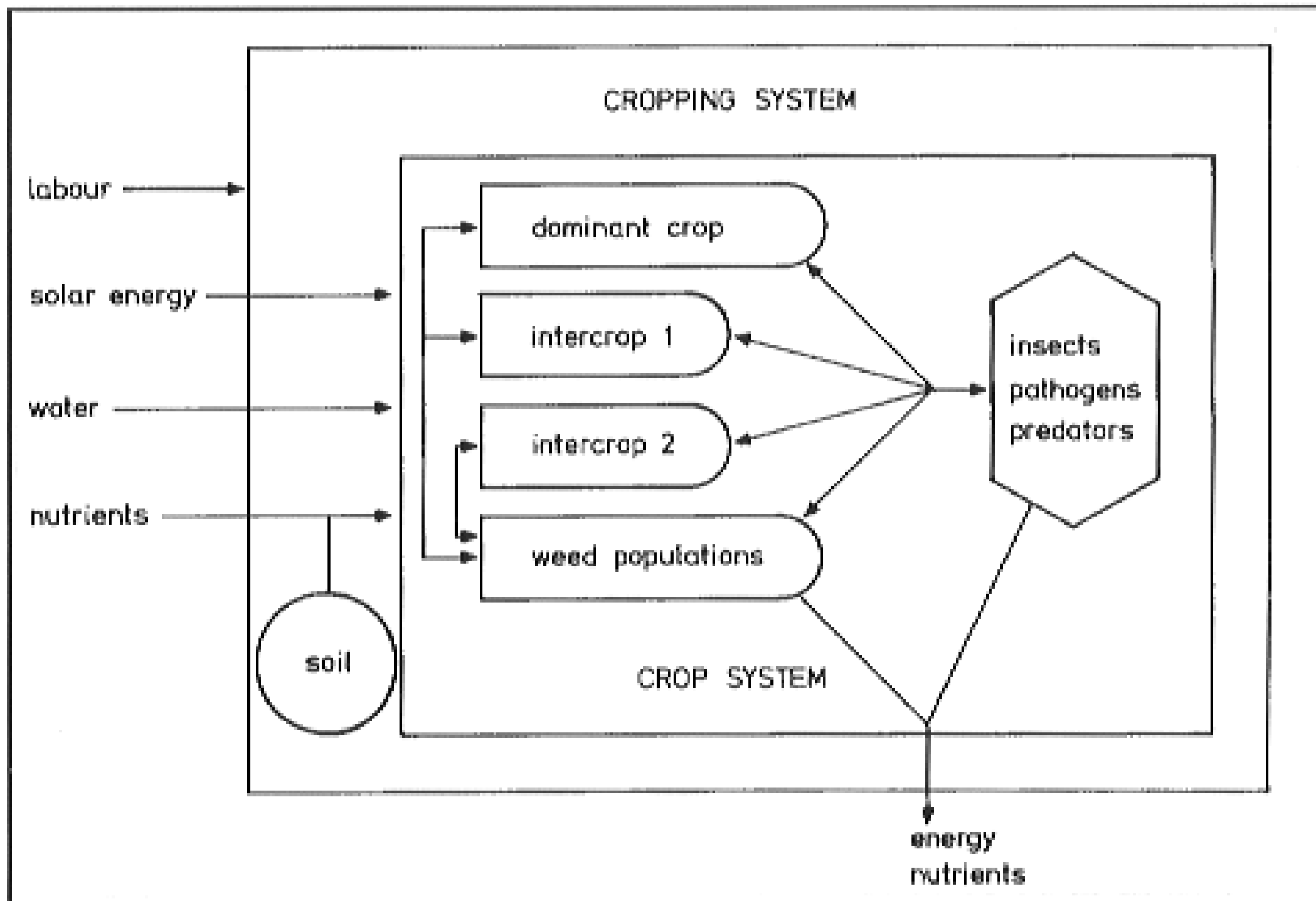
**Analysis and  
conclusion**

**Summary  
of data and  
findings,  
dissemination**

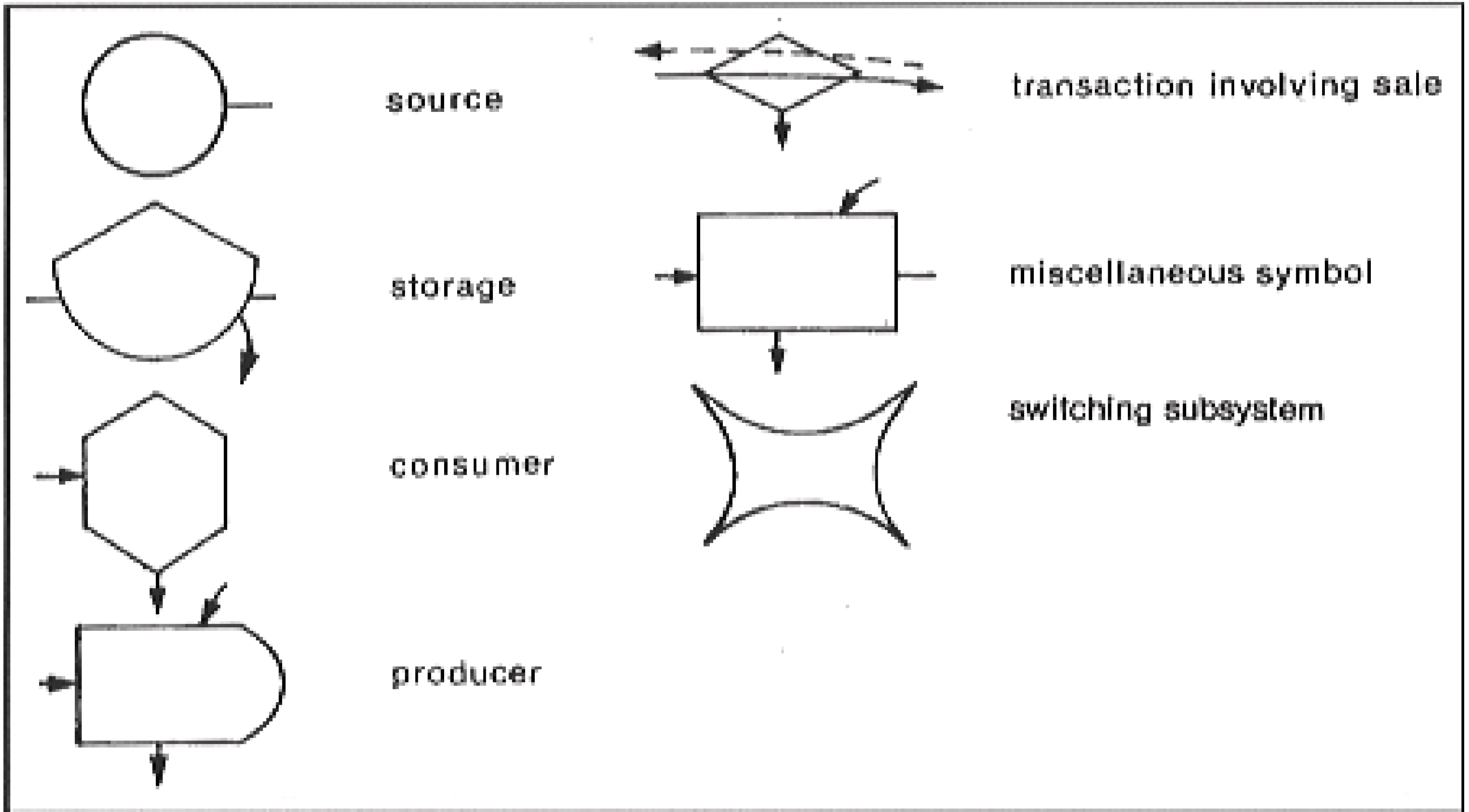




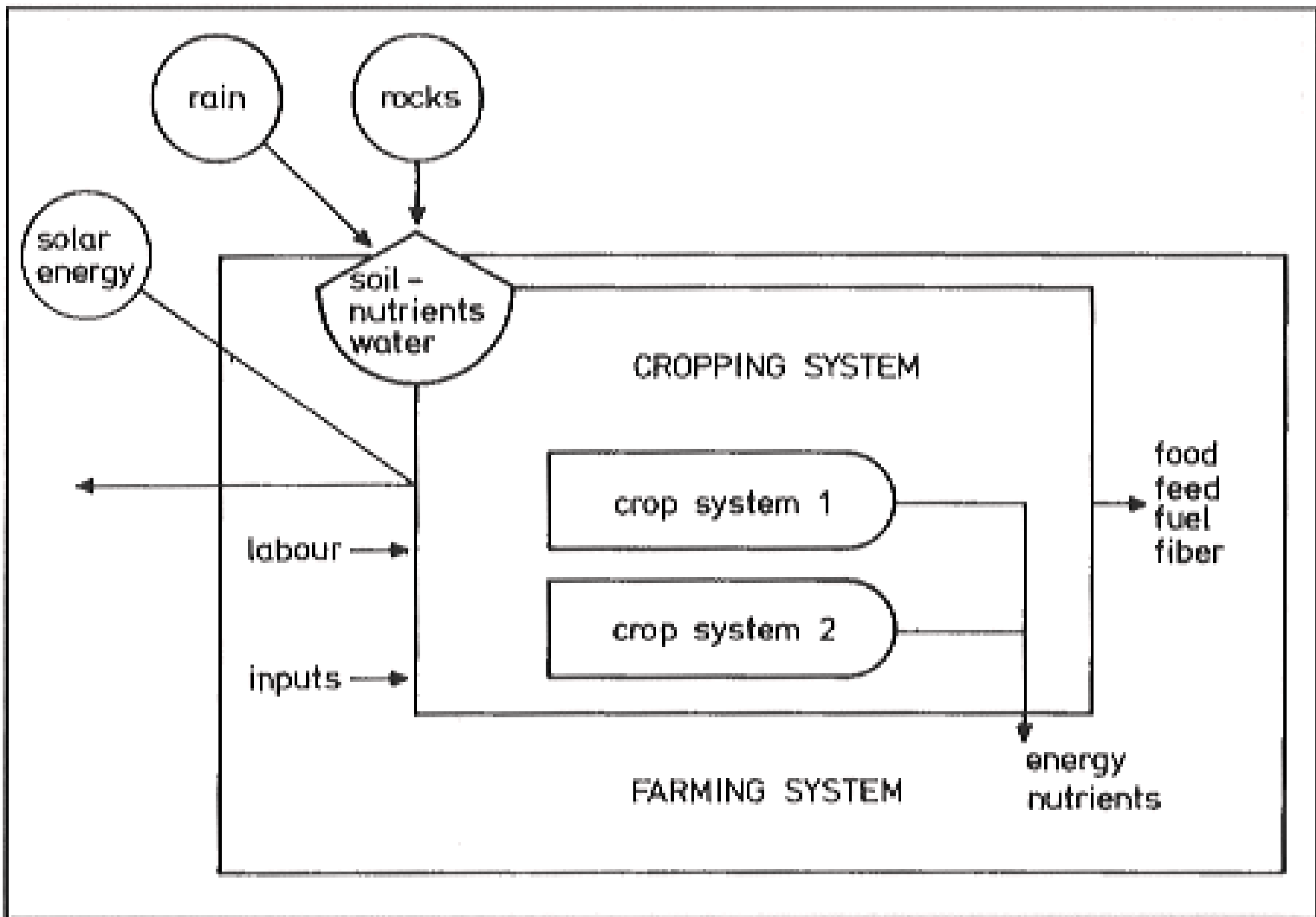
**Fig. 5. The soils of tropical Africa (adapted from Aubert and Tavernier 1972).**



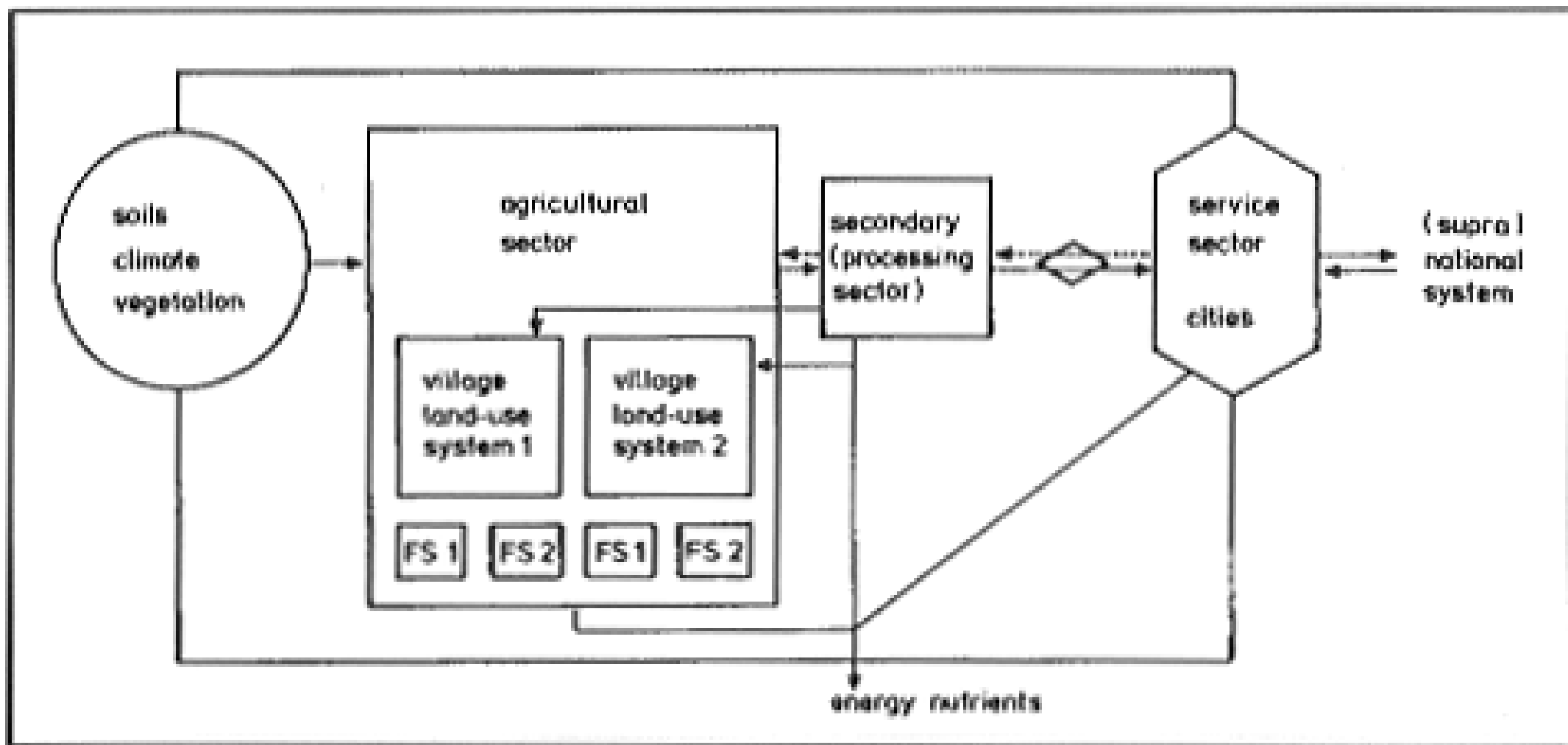
**Fig. 9. The crop system (Freco 1986, p. 143).**



**Fig. 10. Energy symbols (after Odum 1983).**

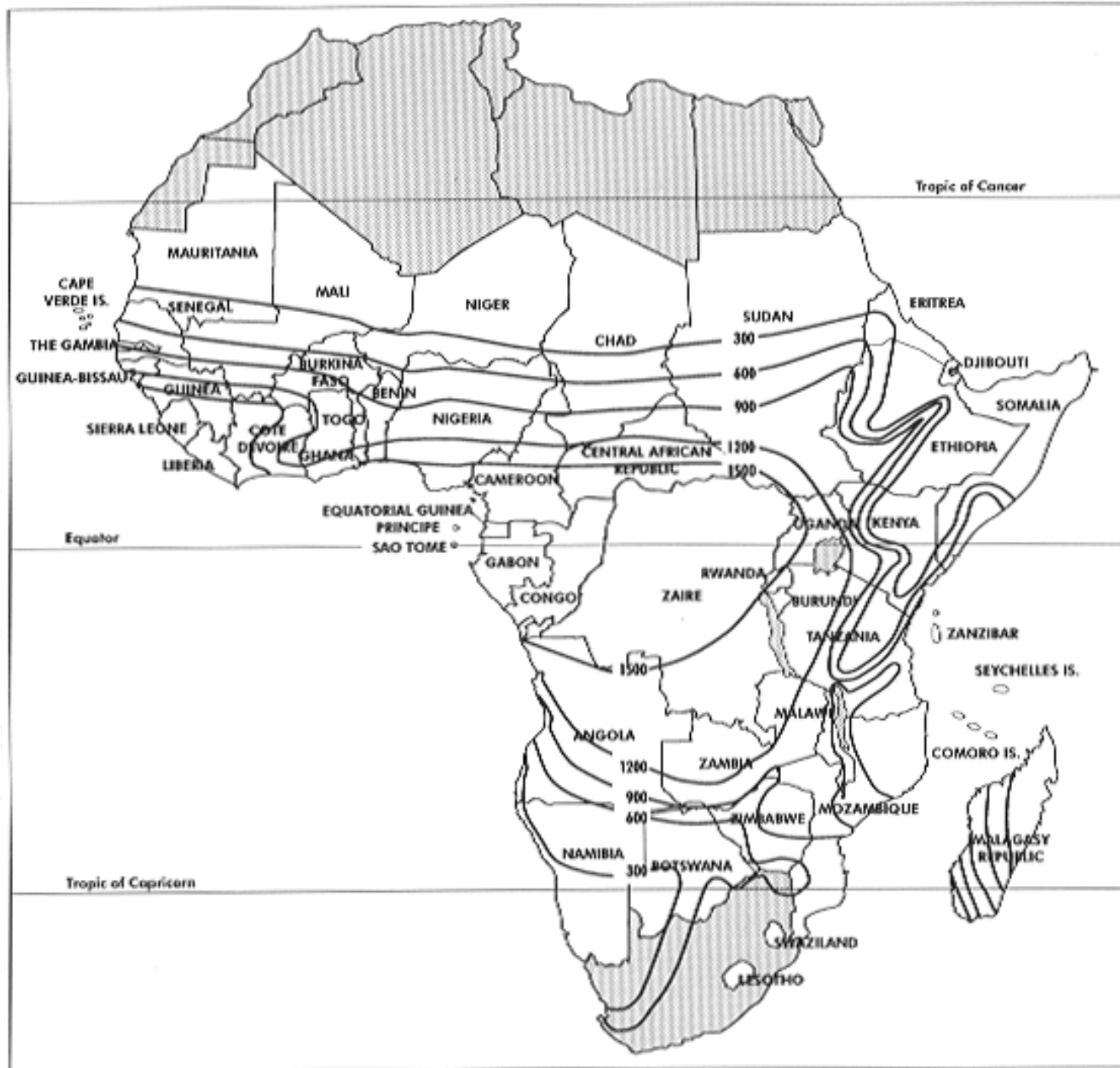


**Fig. 11. The cropping system with two crop systems (from Fresco 1986, p. 111).**

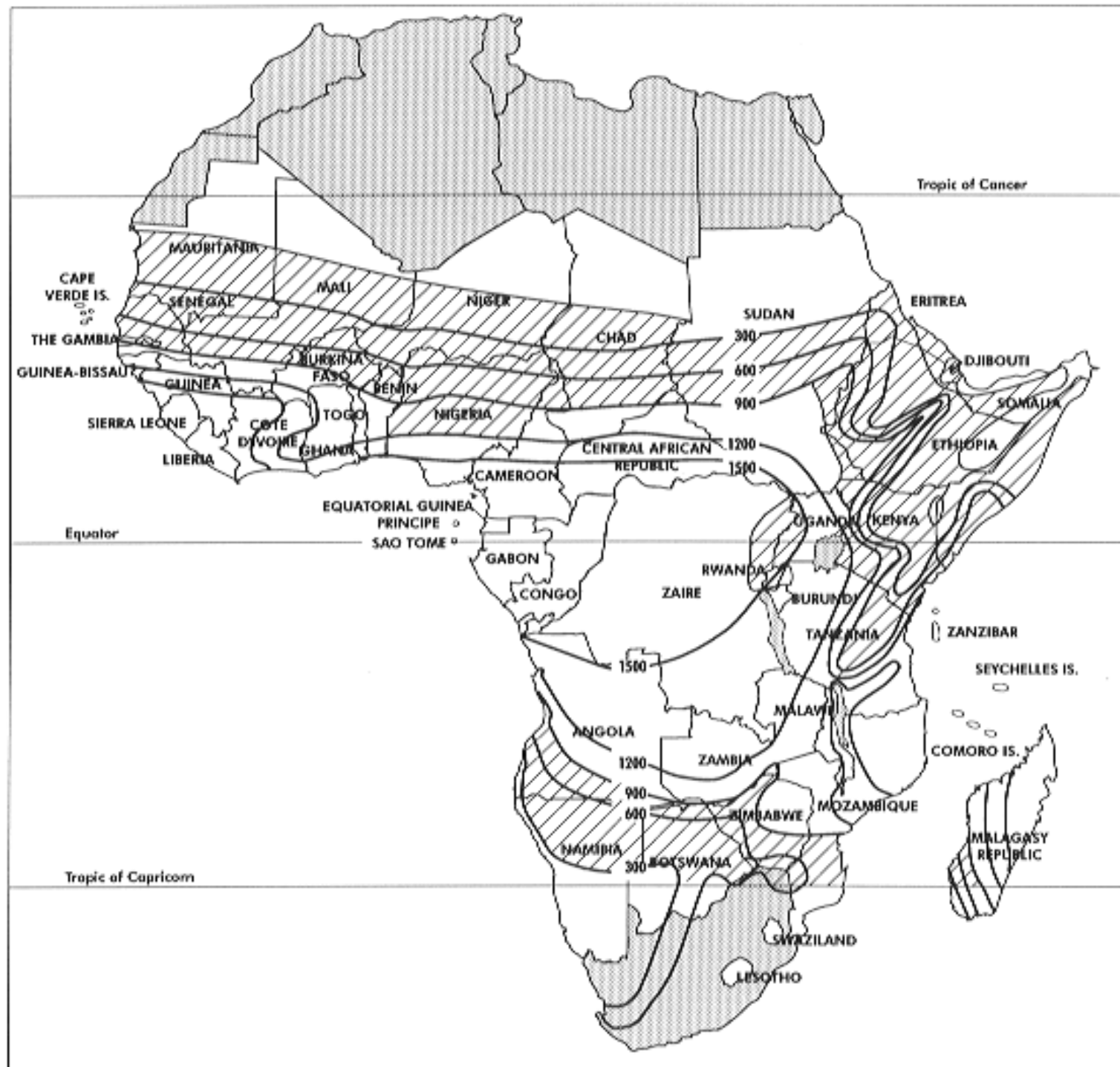


**Fig. 13. The regional system (from Fresco 1986, p. 67). Note: FS1 and FS2 are groups of similarly structured farming systems.**



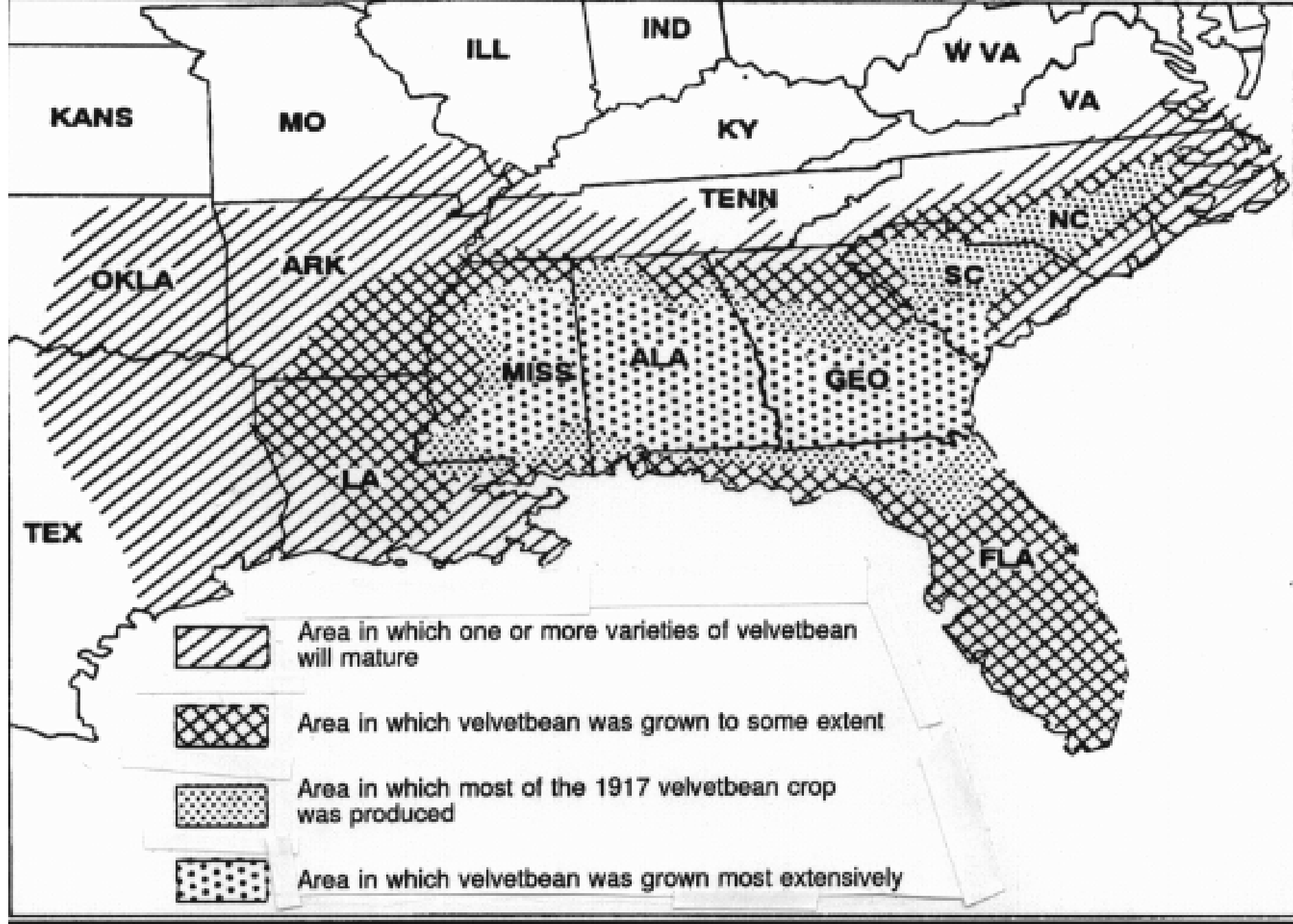


**Fig. 15. Bioclimatic zones of the African savanna. The numbers indicate approximate mean annual rainfall in millimetres (adapted from Phillips 1959; Le Houerou and Popov 1981).**



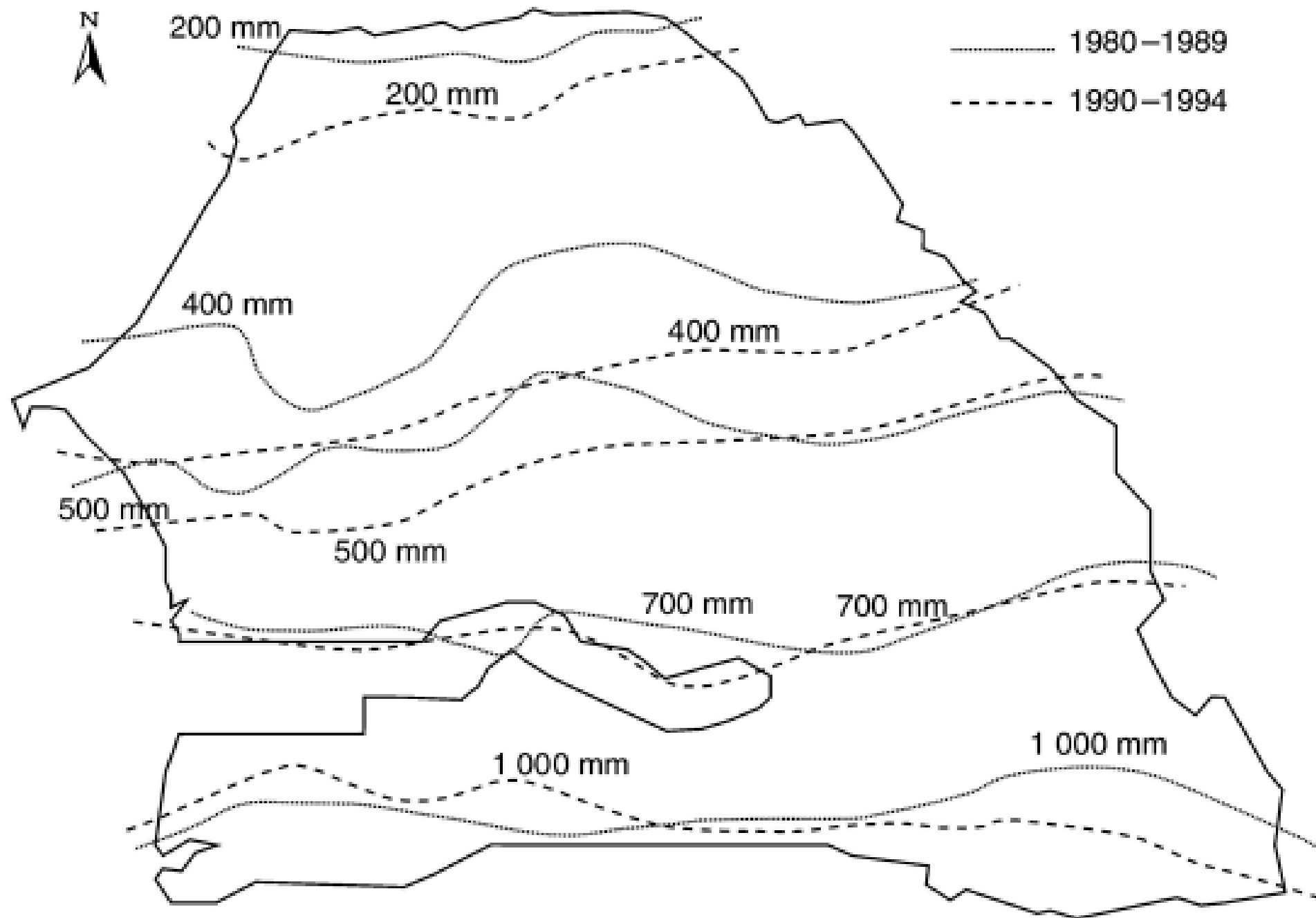
**Fig. 24. Areas most at risk (shaded) from excessive population and livestock pressure (from Higgins et al. 1982).**

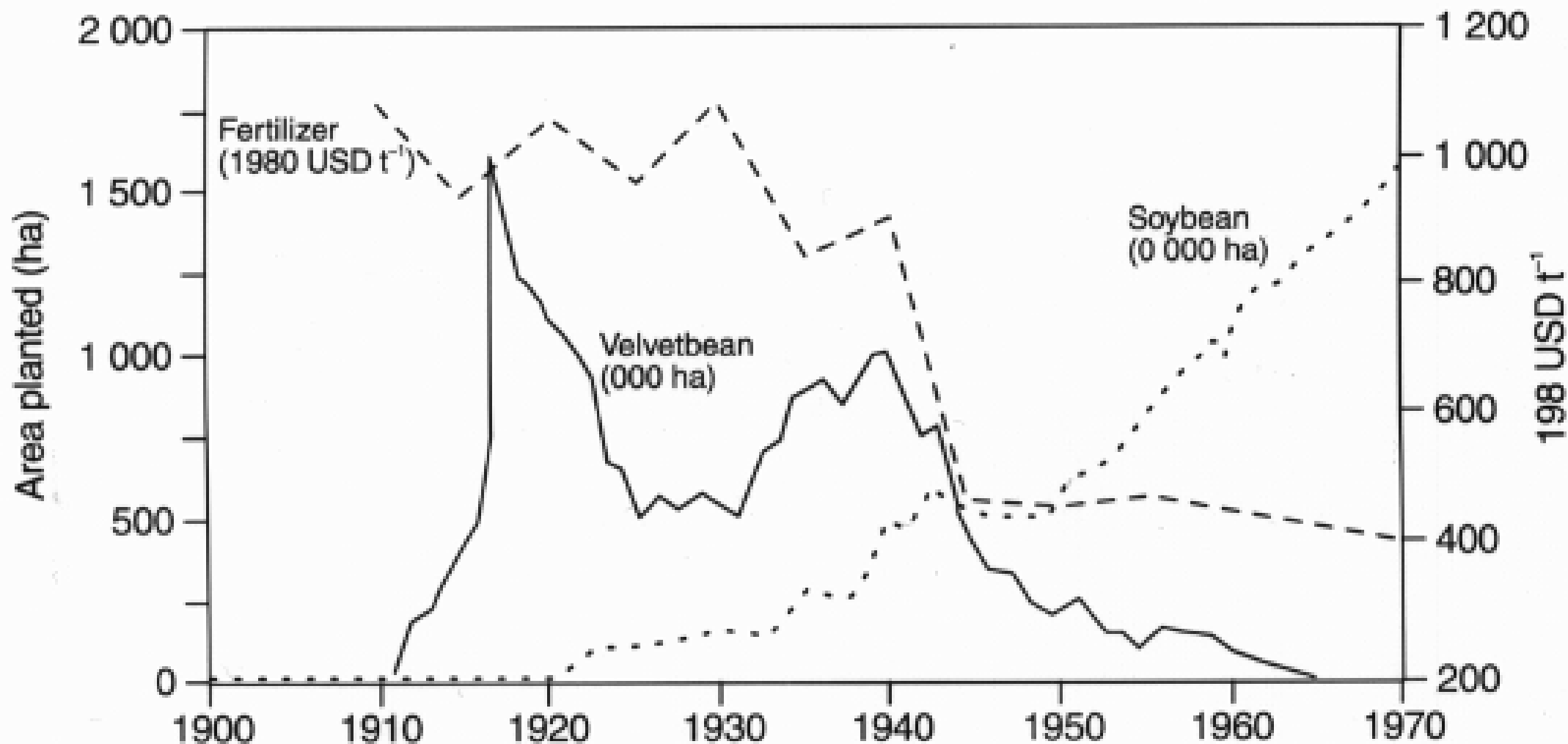




**Figure 2.** Distribution of velvetbean use in the United States, 1917.

Source: Tracy and Coe (1918).

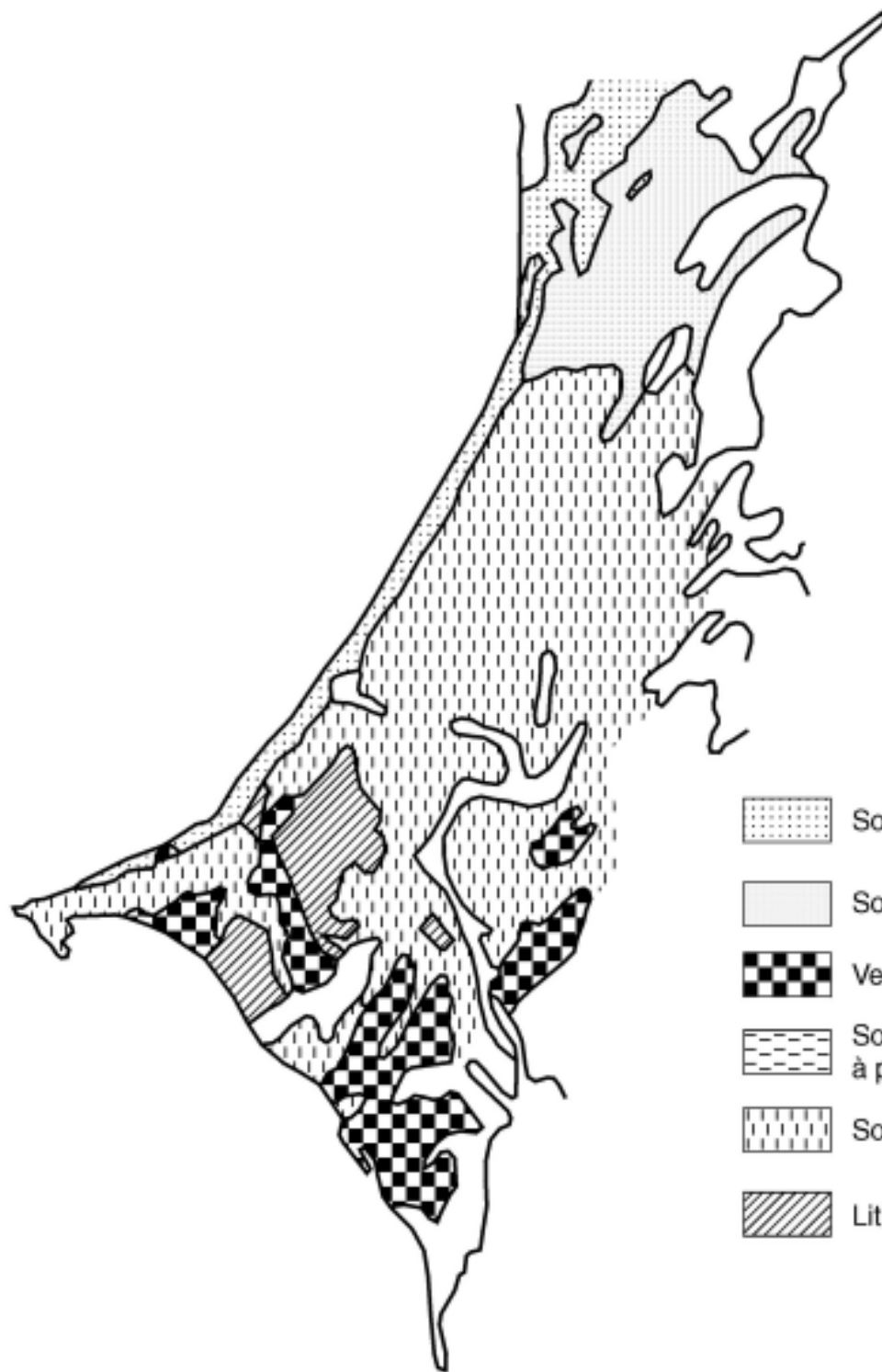










**Figure 3.** Velvetbean area, fertilizer use, and soybean area, United States, 1900–70  
 Source: USDA (1910–70); Hayami and Ruttan (1985, table c-2); Buckles (1995). Note:  
 Current farm expenses for fertilizer divided by quantity of principal plant nutrients  
 (N, P, and K).



**Figure 4.** Areas in Mesoamerica with spontaneous adoption of velvetbean–maize rotations.



-  Sols minéraux bruts d'apport
-  Sols brun-rouge isohumiques
-  Vertisols
-  Sols hydromorphes : sols minéraux à pseudo gley, sols halomorphes
-  Sols ferrugineux non lessivés
-  Lithosols



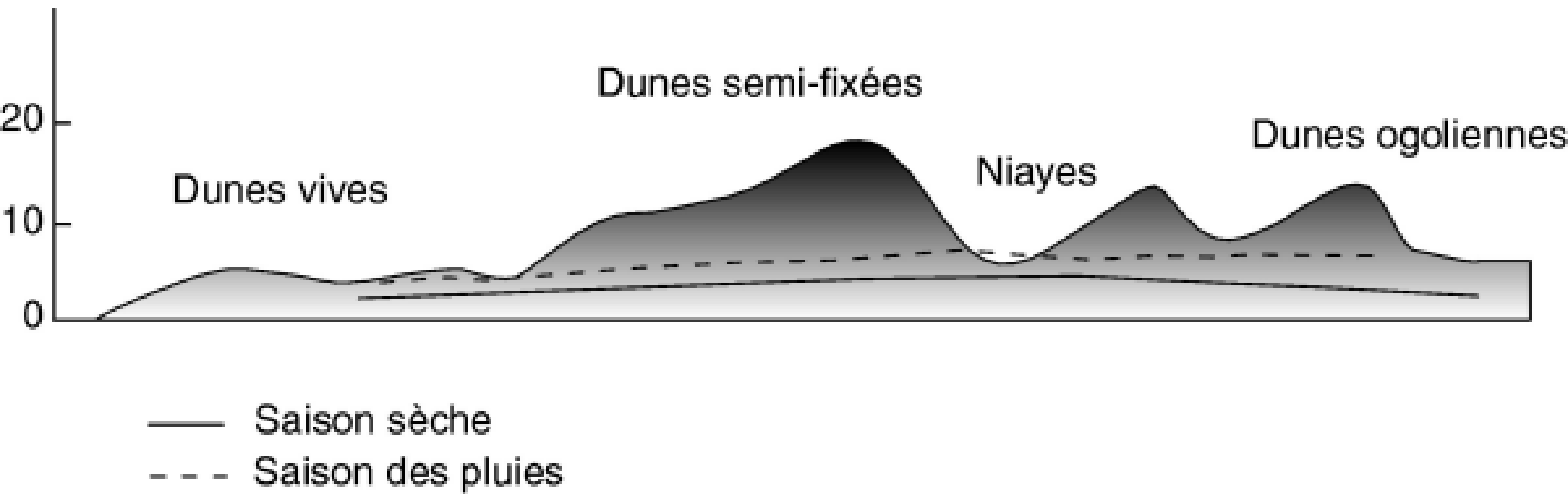
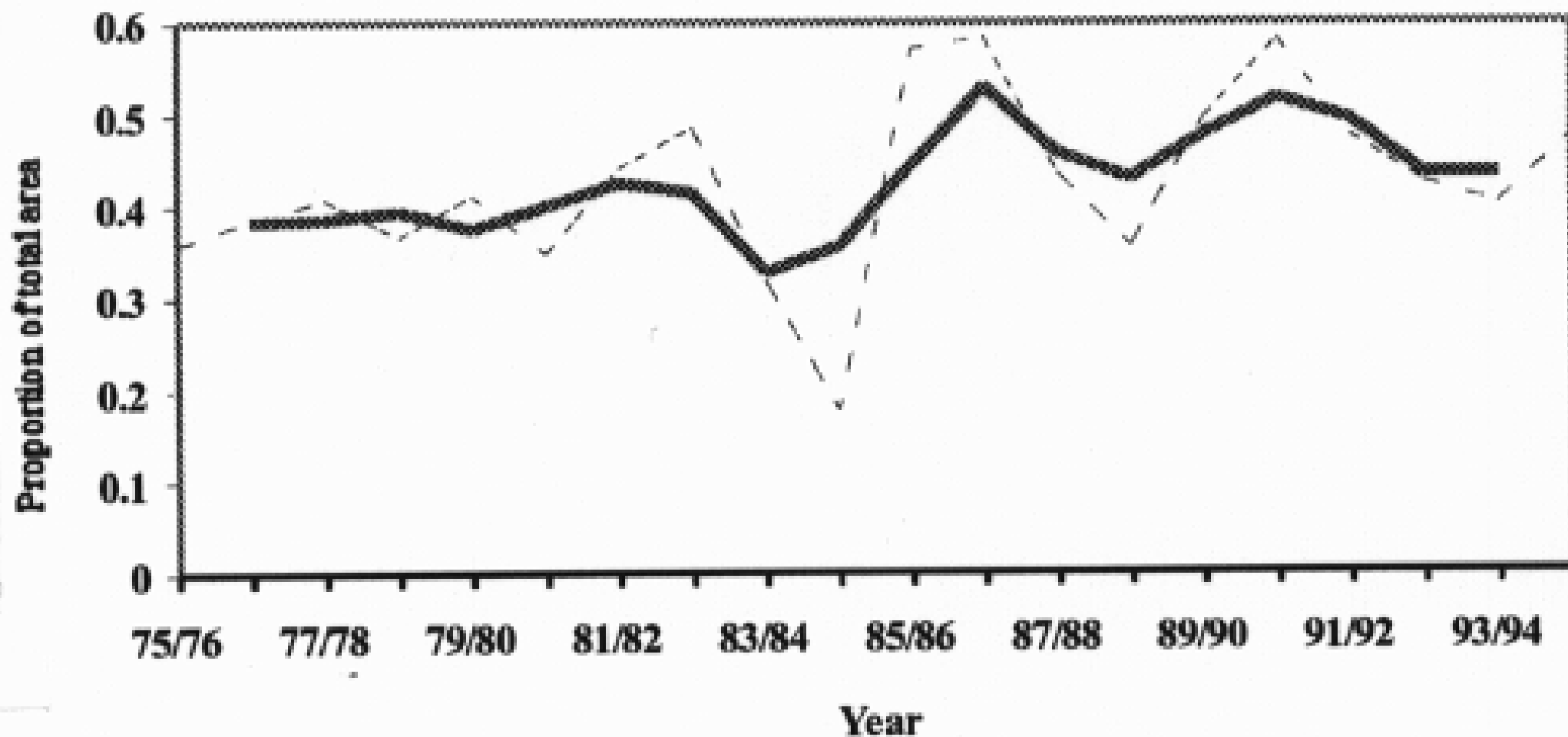
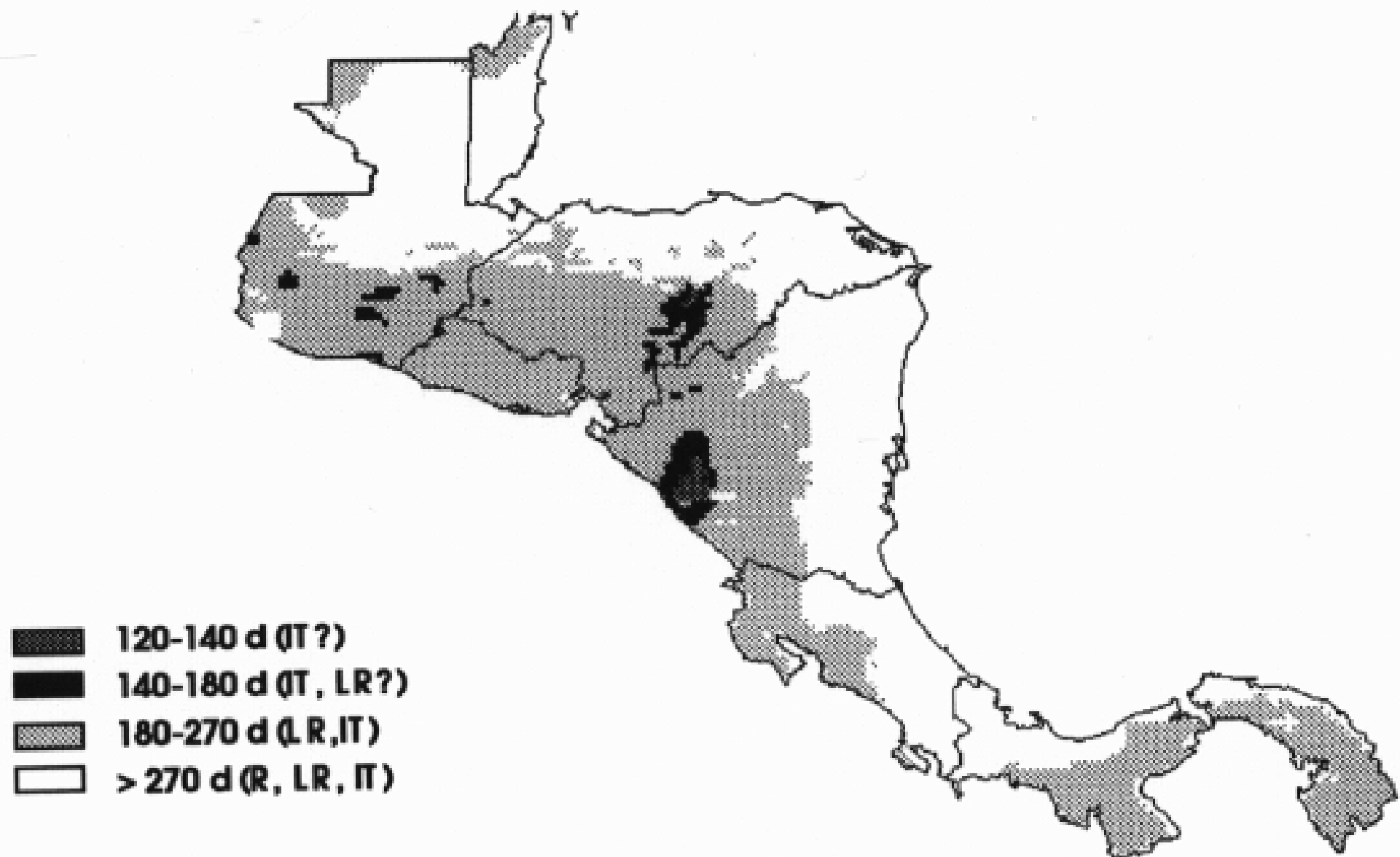


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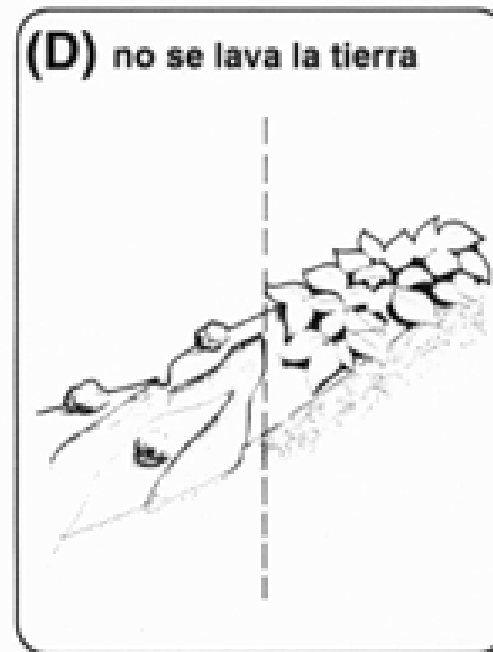
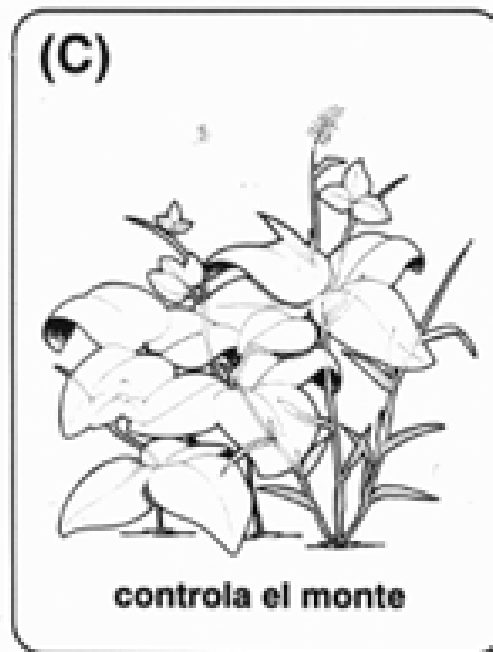
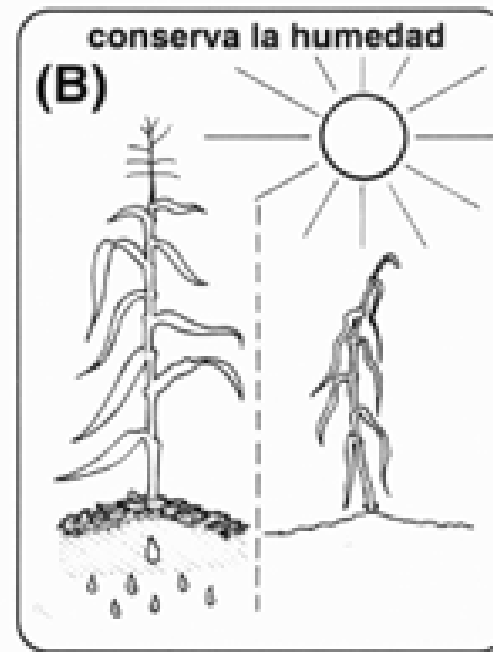
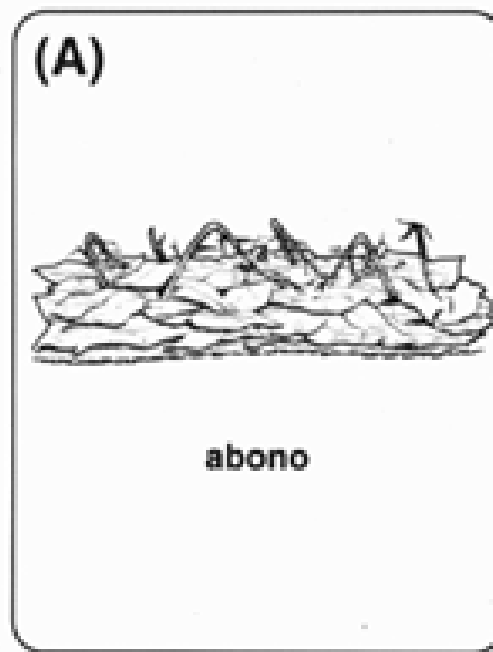


**Figure 22.** Area cropped in maize in the second season as a proportion of the total maize area, northern Honduras, 1976–94.

figure22.gif



**Figure 24.** Growing season (days with precipitation exceeding evapotranspiration) and possibilities for legumes as a cover crop, Central America. Source: Adapted from Chapman and Barreto (1994). Note: IT, intercropping; LR, legumes in relay; R, rotation.



**Figure 25.** These illustrations convey the following messages: (A) fertilizes; (B) conserves soil moisture; (C) controls weeds; (D) prevents erosion (*continues*)



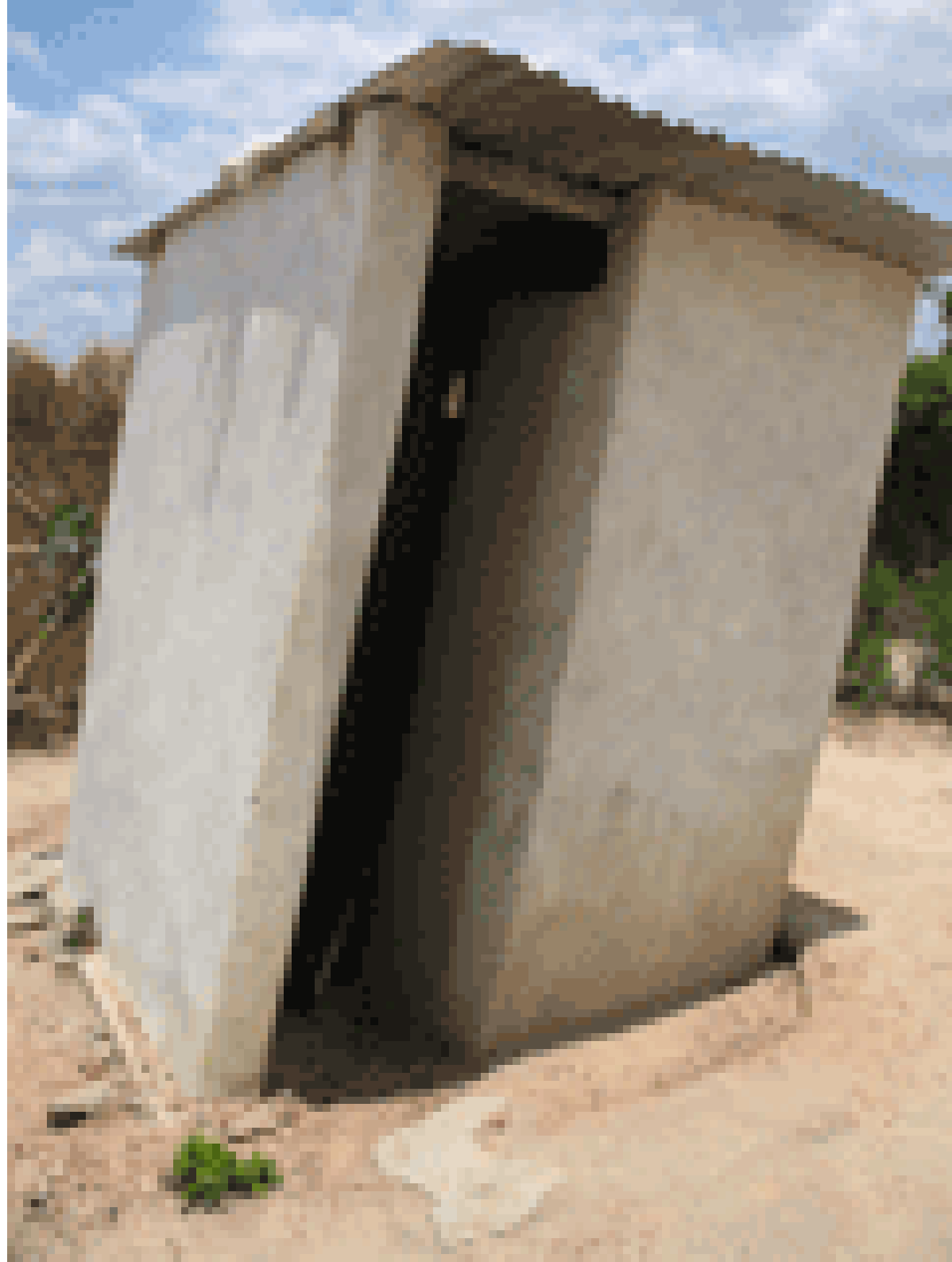
# Formulas for Organic Home Brews

[formulas.gif](http://formulas.gif)





















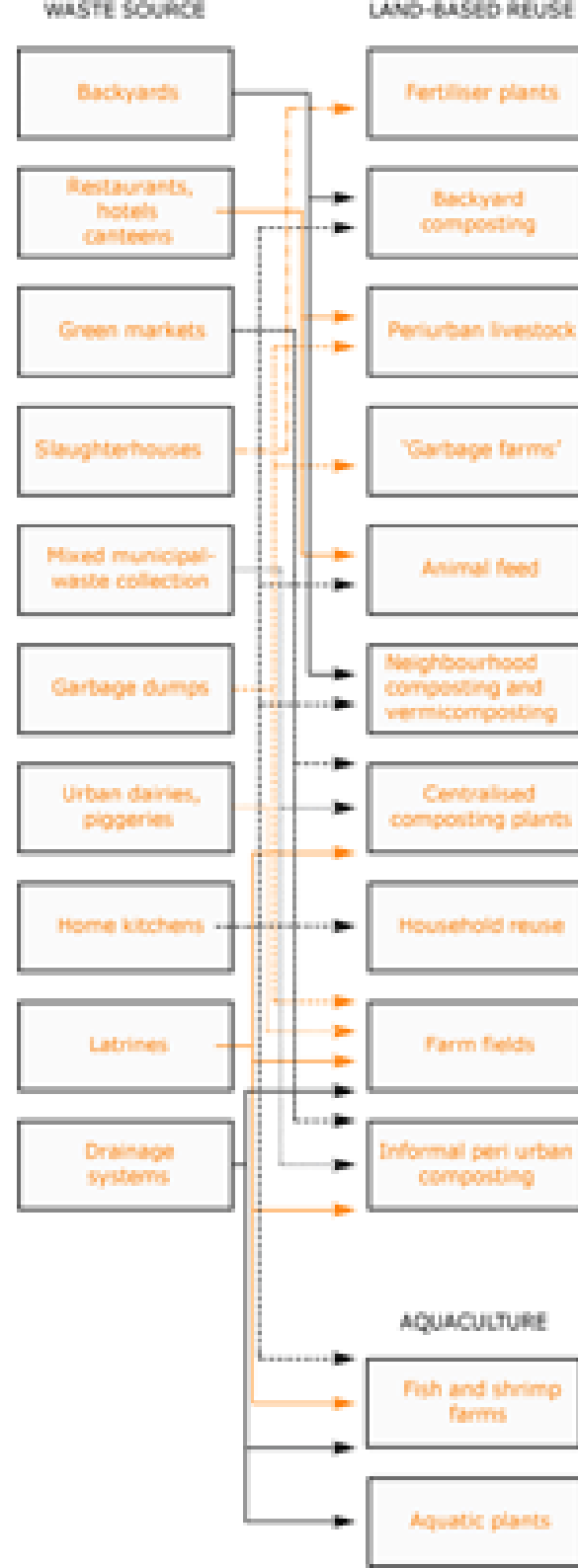








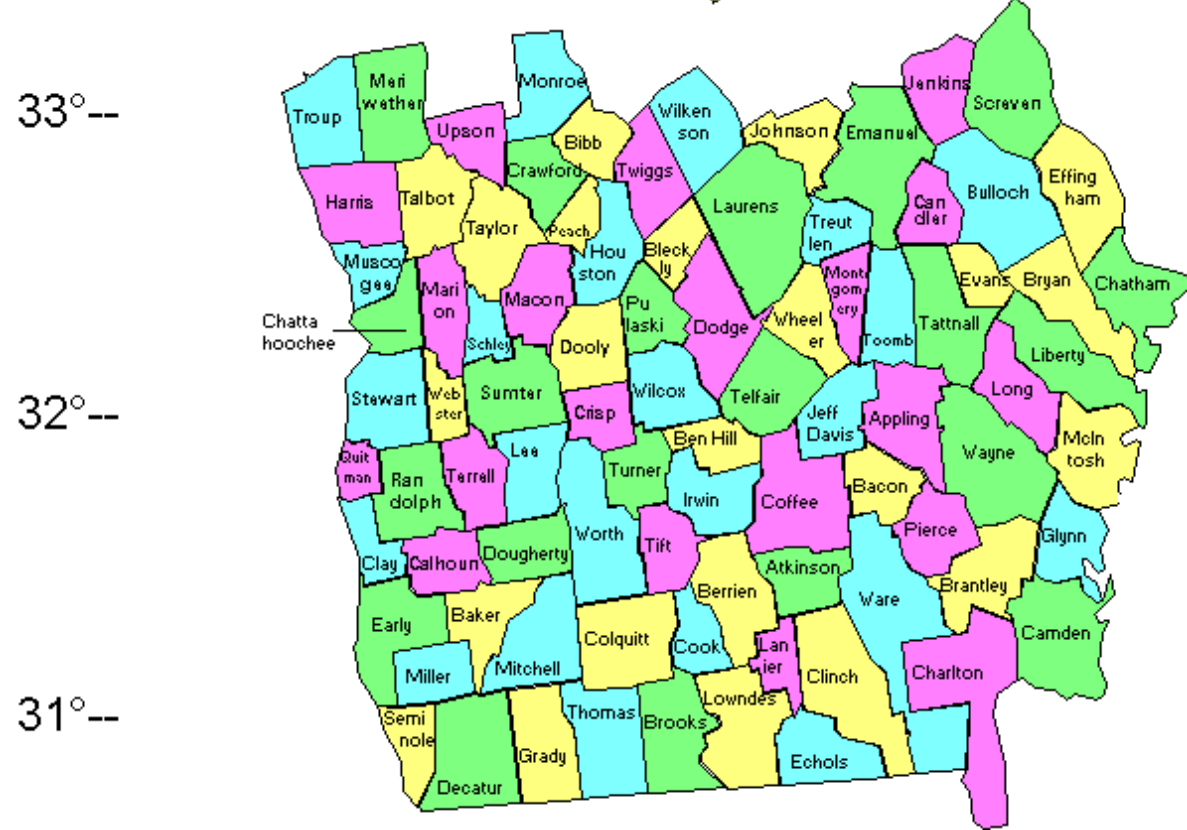
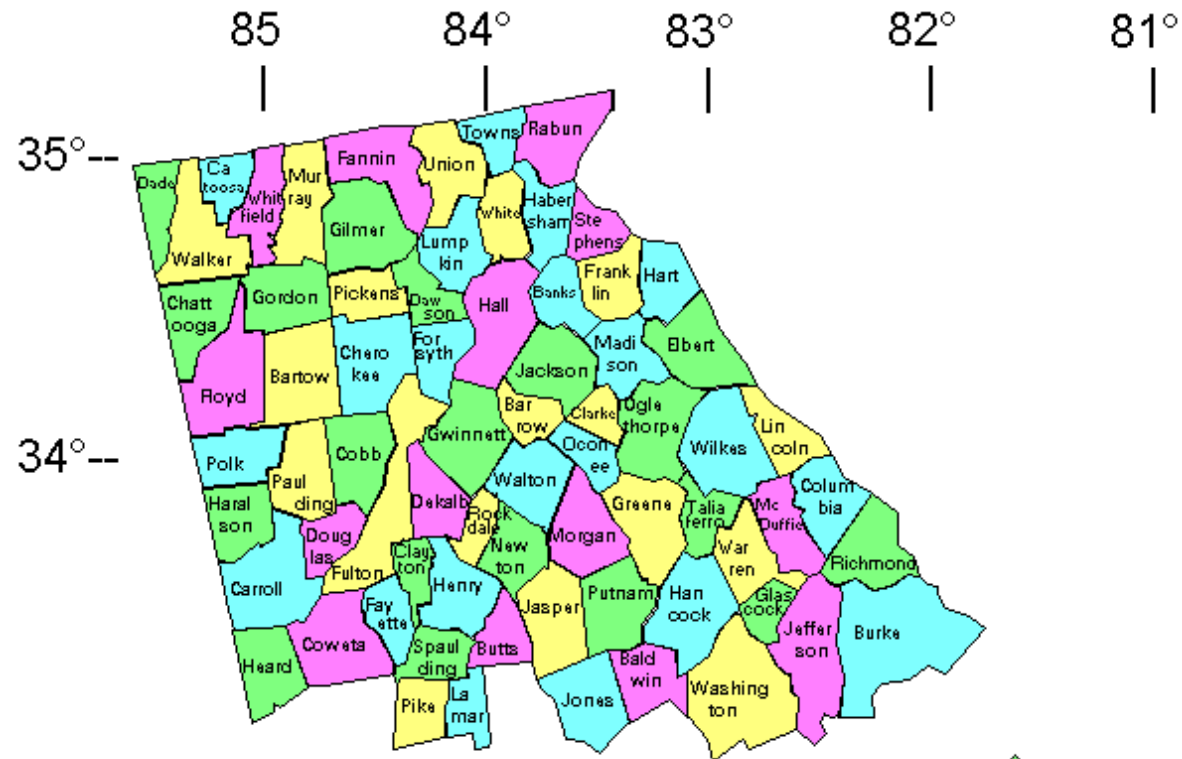




# Gaining Health Through Your Diet

*By: Mary Hartnett*

gaining.gif



<b>Symptom</b>	<b>Diagnosis and suggested approach</b>
Waste is set out in the wrong places	The designated set-out sites may be culturally inappropriate in general, or inappropriate for the gender or class who set out the waste

<b>Symptom</b>	<b>Diagnosis and suggested approach</b>
Source separation protocols are not observed	Those involved in handling waste at home – mainly women – may not have been consulted about their habits and preferences. More likely, they have been involved in the process of analysing how and at what point in the disposal process to introduce a separation step. The suggested approach is to invite women in small groups to analyse the situation and suggest changes that come from them, not from outside



<b>Symptom</b>	<b>Diagnosis and suggested approach</b>
Litter baskets are not used and there is a concentration of litter in unwanted places	The community has perhaps not been consulted about their ideas for the kind of litter baskets to use, where to place litter baskets, how to service them and how to publicise them. Consult groups of children, especially teenagers, women and men about their ideas

<b>Symptom</b>	<b>Diagnosis and suggested approach</b>
There is illegal dumping of a specific material or materials	There may be no 'legal' or right option for dumping this material. Before introducing any kind of punitive approach, analyse the generation patterns for this material and identify the principal stakeholders who are responsible for generating and disposing of it. Then work with this group first to create a legal 'disposal opportunity' and/or 'recycling opportunity', combined with a gradual phase-in of strict enforcement and high fines

<b>Symptom</b>	<b>Diagnosis and suggested approach</b>
There is illegal dumping of unspecified materials	Again, it is likely that the legal option is either too expensive, too inconvenient, inappropriate to the community, or otherwise indicative of something created without participation of the stakeholders. Suggested approach, as above, is first to analyse the generation patterns and especially whether the waste is 'gendered' or linked to some particular social or ethnic group and then to work first to create a legal 'disposal opportunity' or 'recycling opportunity', combined with a gradual phase-in of strict enforcement and high fines

<b>Symptom</b>	<b>Diagnosis and suggested approach</b>
There are low payment rates for waste services, combined with official or unofficial attempts to 'opt out' of the waste system	Explore the dynamics of level of service, willingness to pay and ability to pay to see if there is a gender problem with the decisionmaking process that produced the current system. If so, begin with single-sex groups to sort out service preferences and willingness to pay

<b>Symptom</b>	<b>Diagnosis and suggested approach</b>
Waste quantity estimates prove too low – there is more waste than predicted	The activities of the informal sector may not have been recorded and changes may have disrupted their functioning. Suggested approach is to use a broader definition of stakeholder and to solicit input from more parties, including women and men workers in the informal sector.
Waste quantity estimates prove too high – there is less waste than predicted	Information may have been collected from one sex – probably men – when women have more accurate information

<b>Symptom</b>	<b>Diagnosis and suggested approach</b>
Waste is improperly prepared	Check who the information has been delivered to: it may be that one sex has received it but the other sex is expected to do the work
Waste is set out at the wrong times	First, check again on information delivery. Second, ask women and men about their schedules. It may be that the collection schedule conflicts with key personal or professional activities, preventing cooperation even when people want to comply



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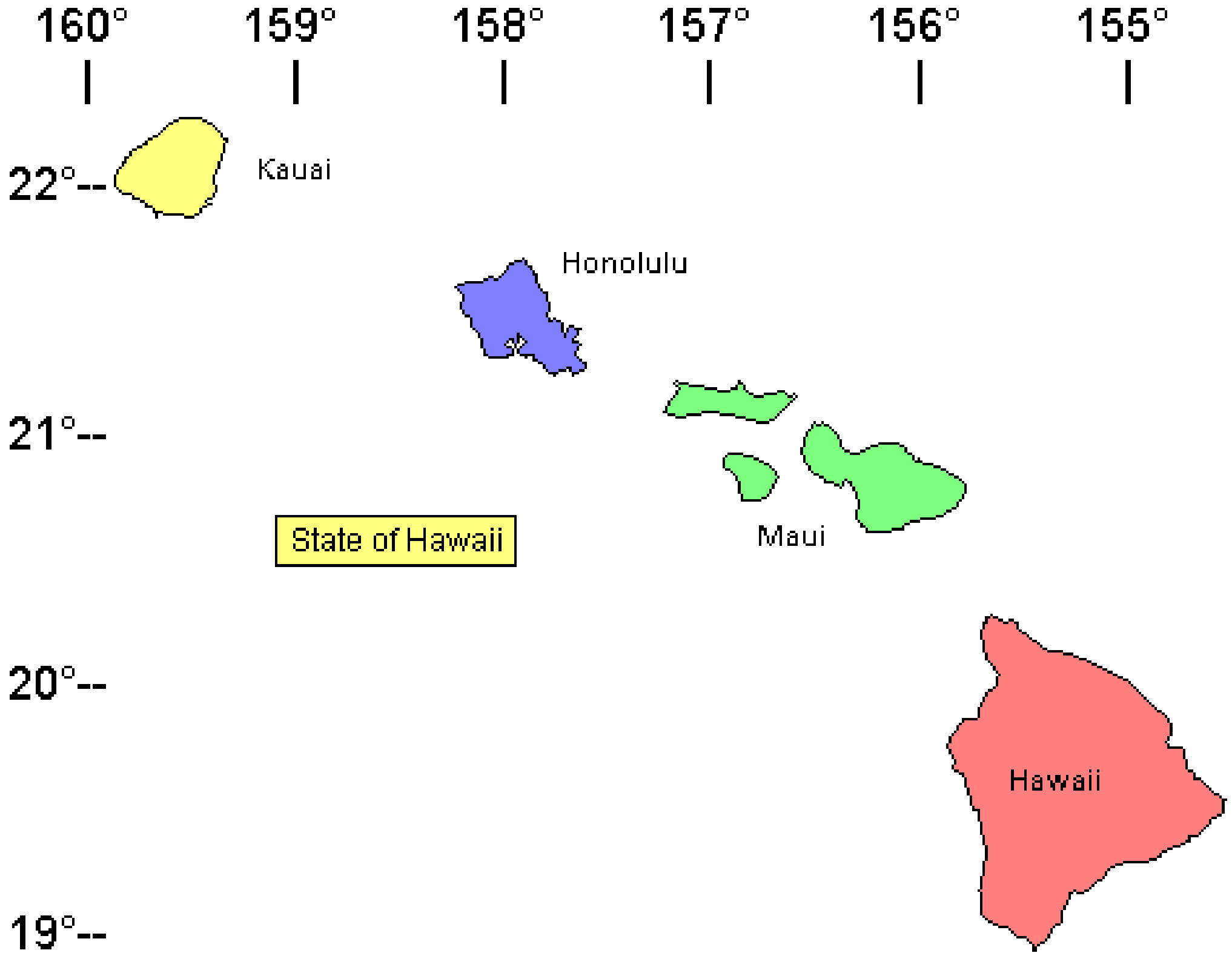
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# Hazardous Waste Collections

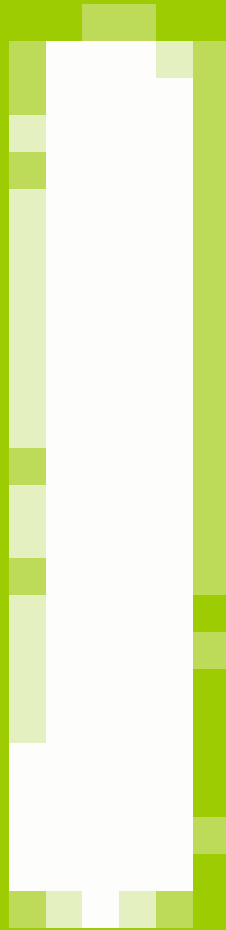
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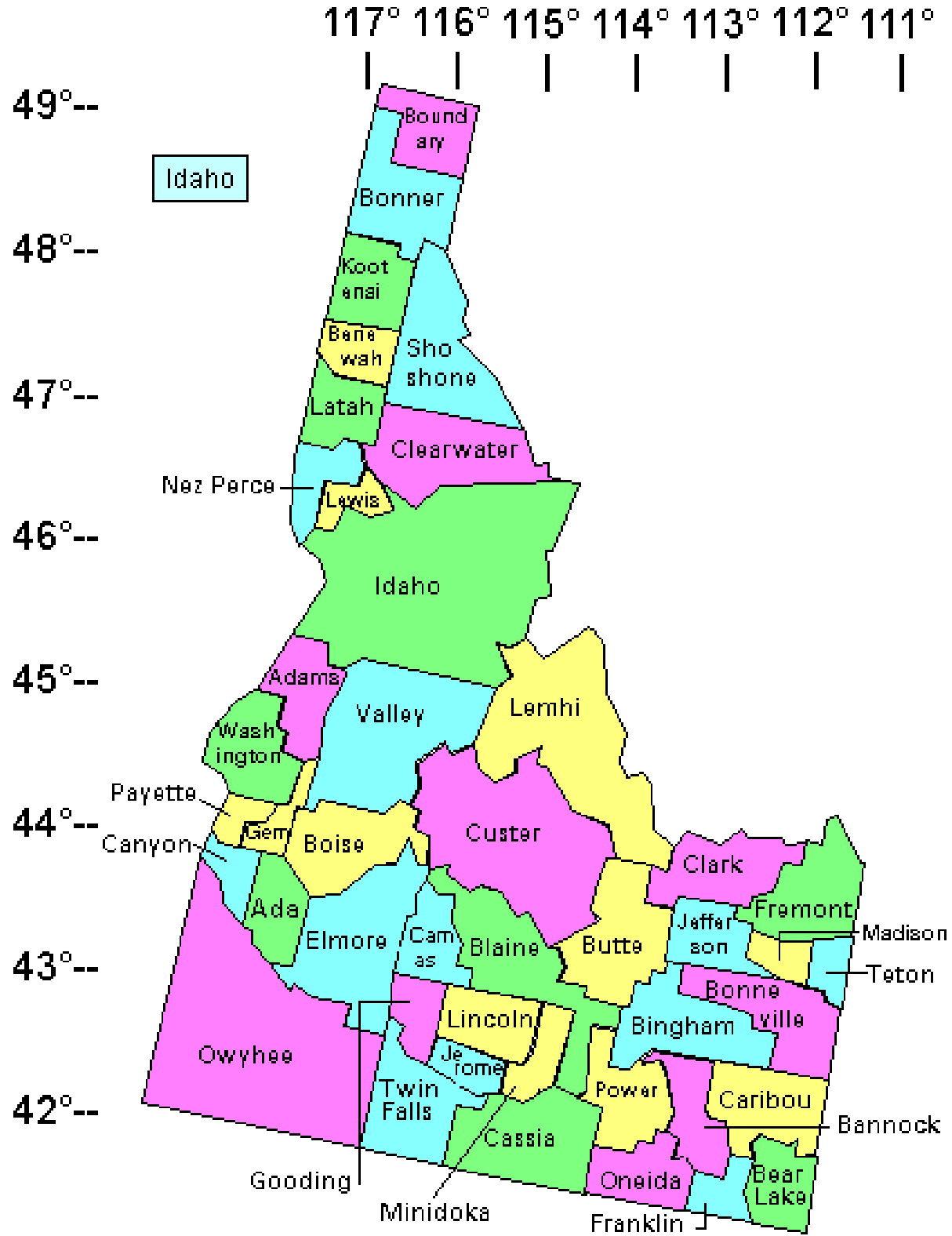


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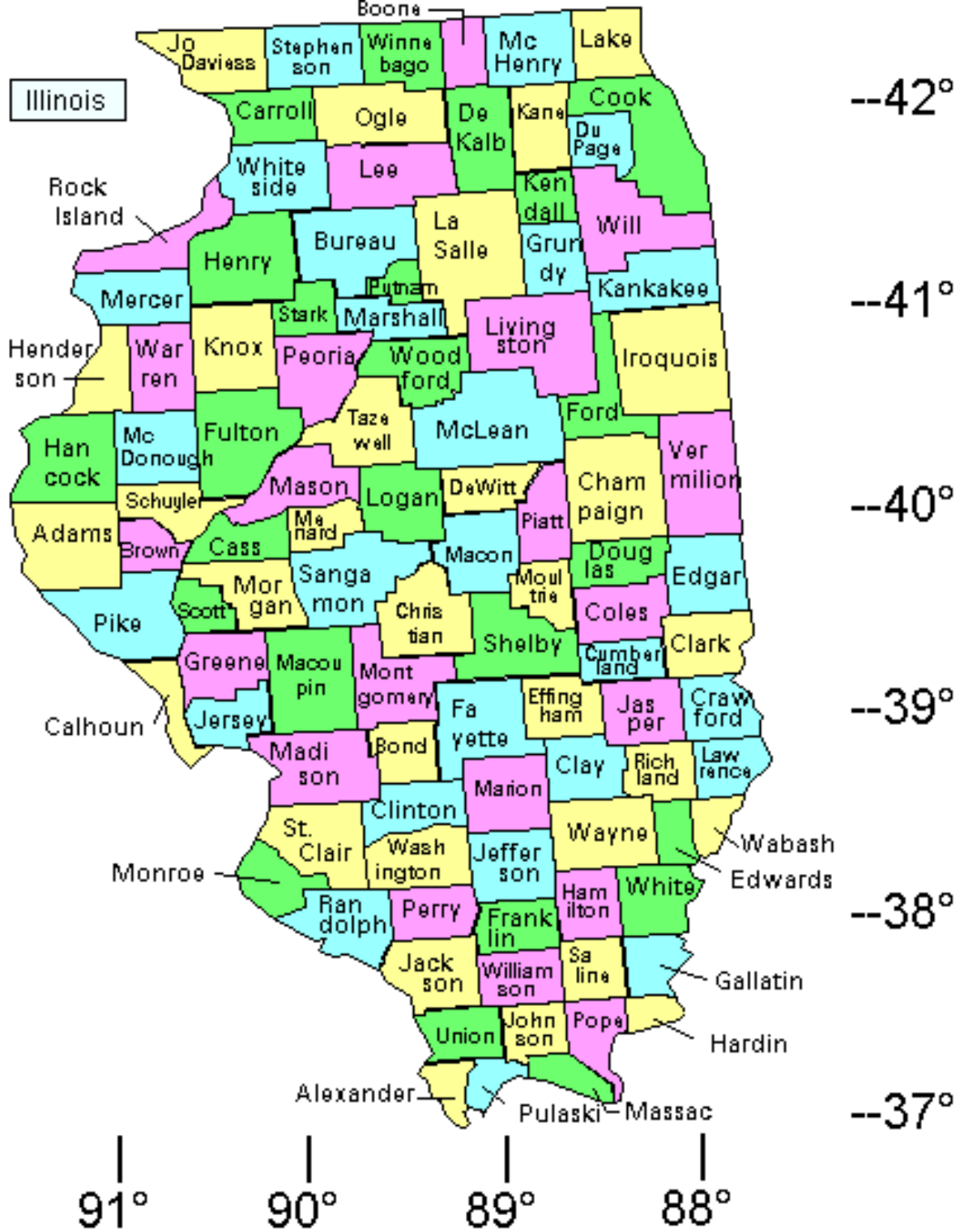


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Horticultural Cornmeal

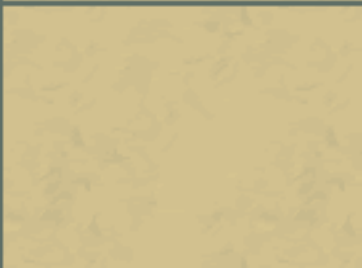
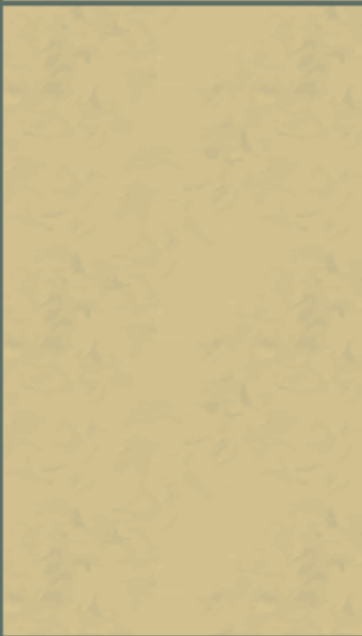
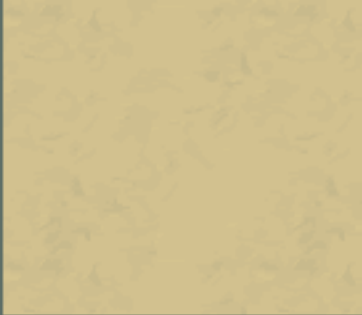


Using Herbs in Pathways









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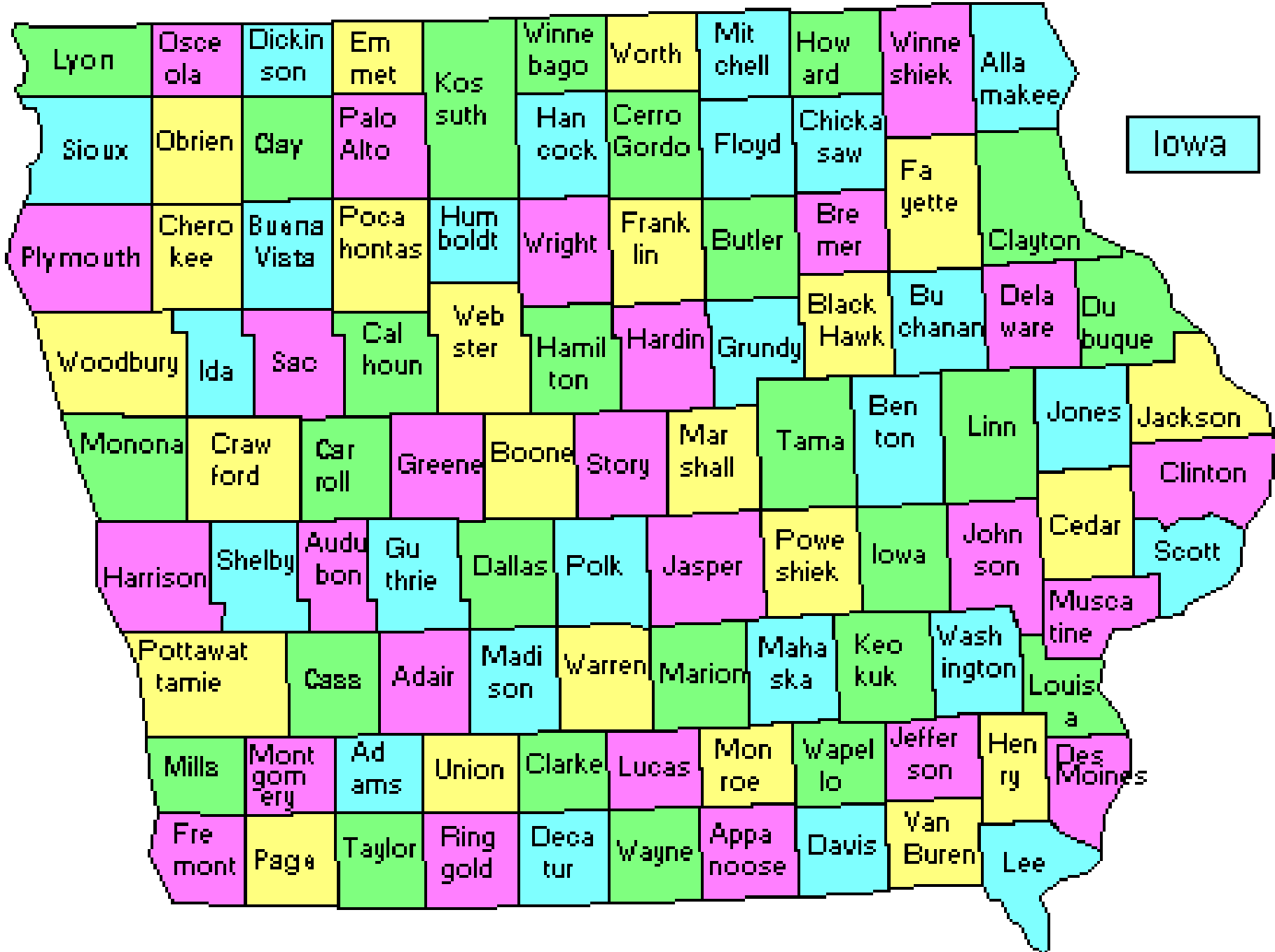
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Gift recipient/shipping address:

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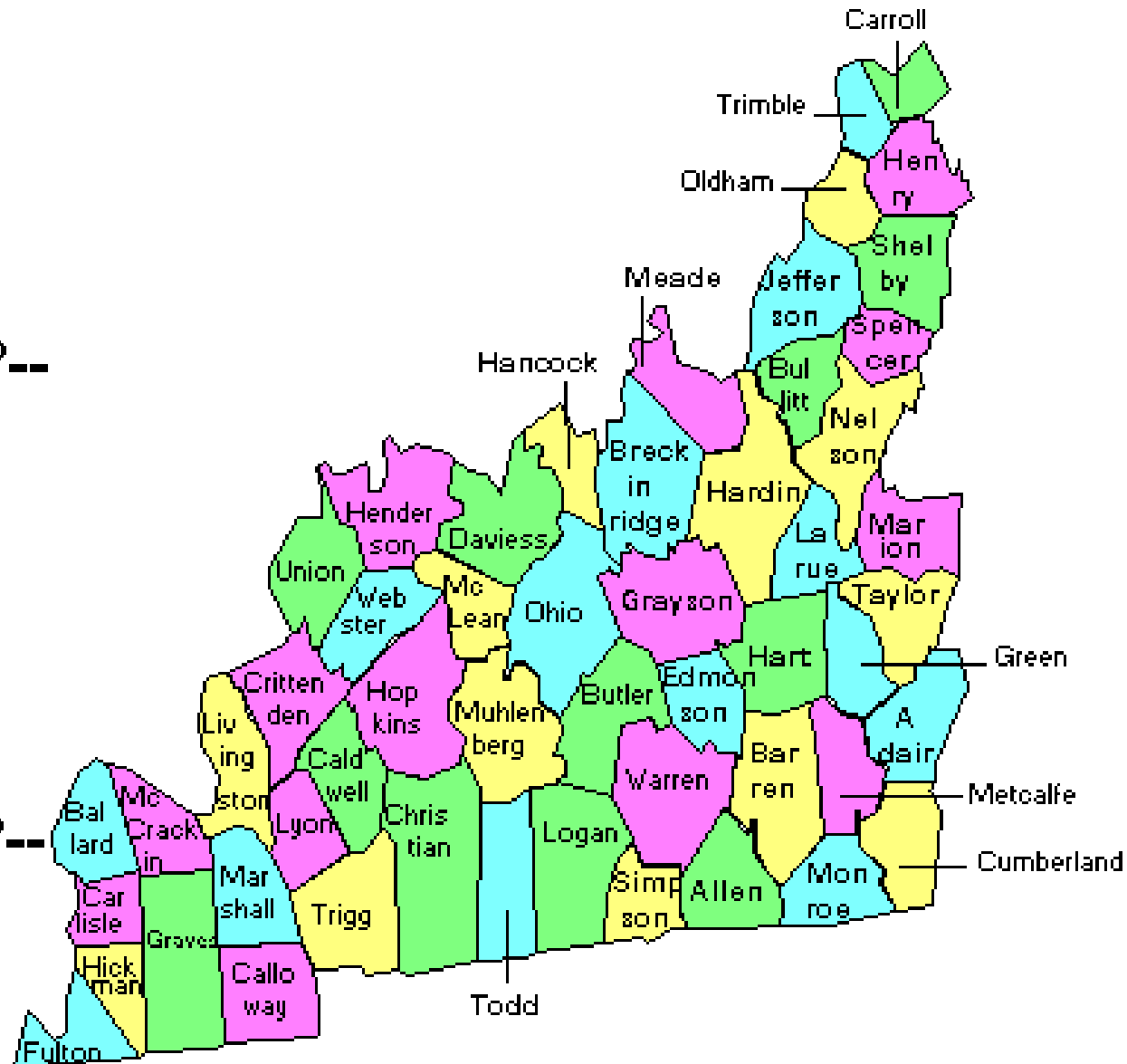
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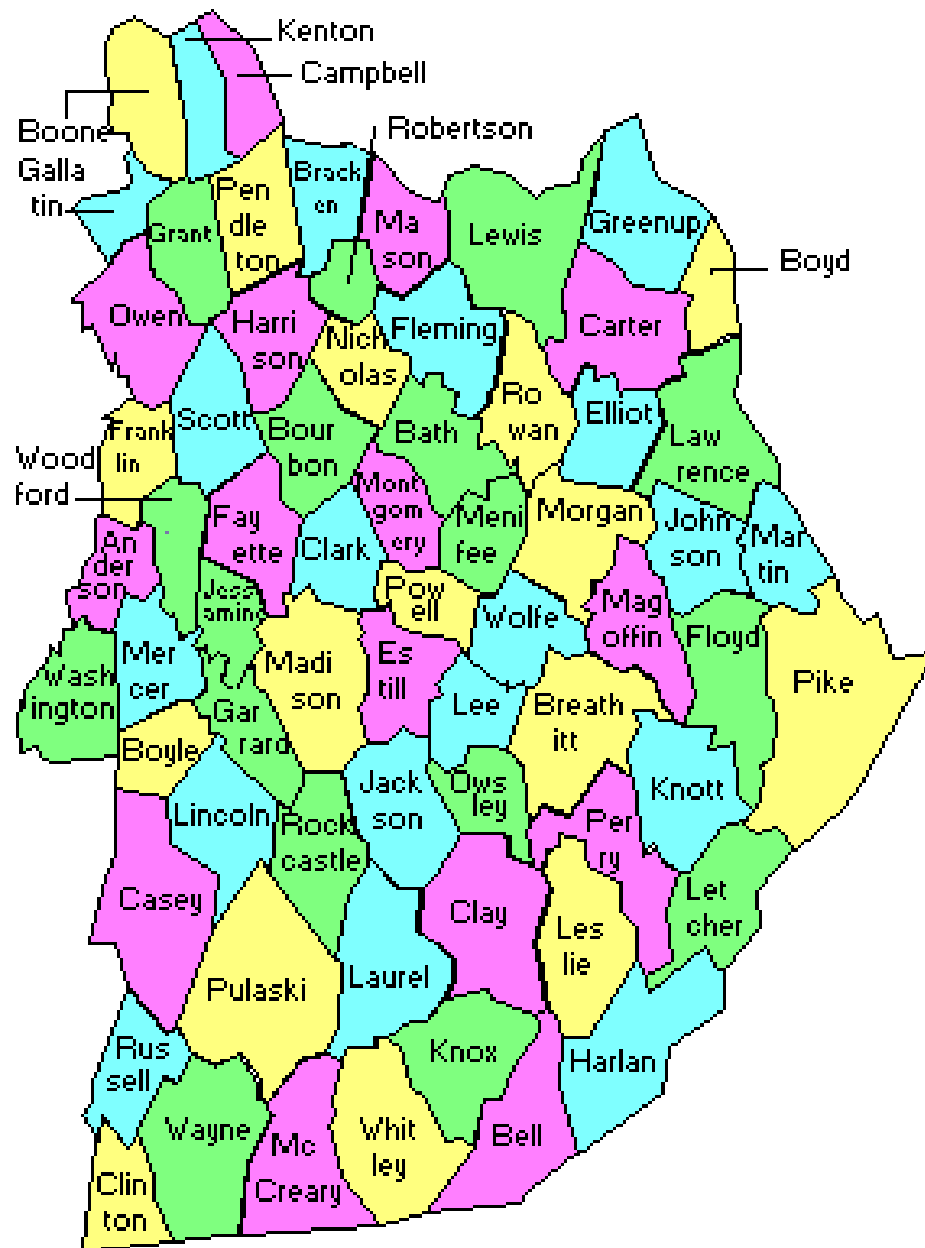


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**Regional Office for  
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L

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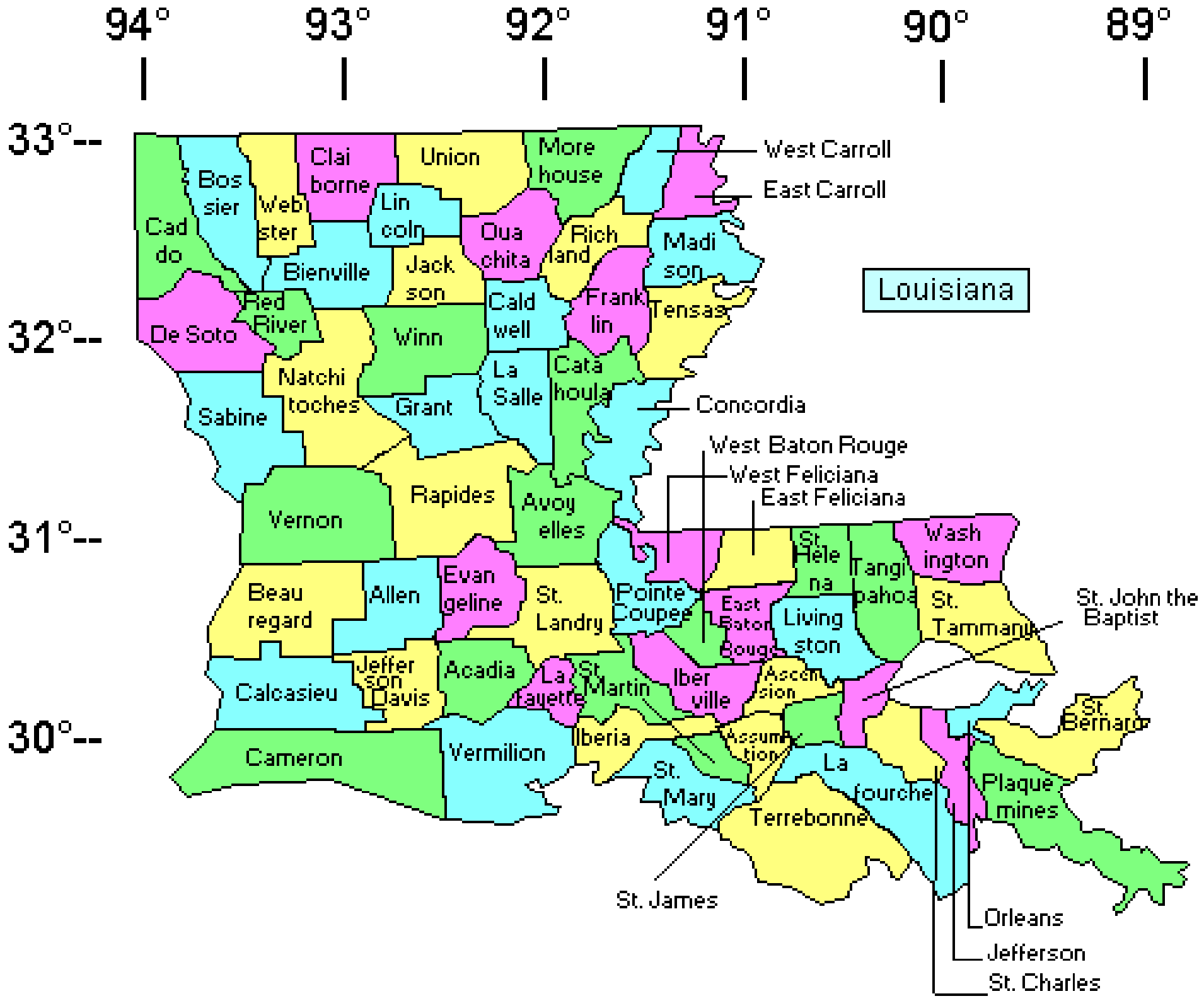
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79°

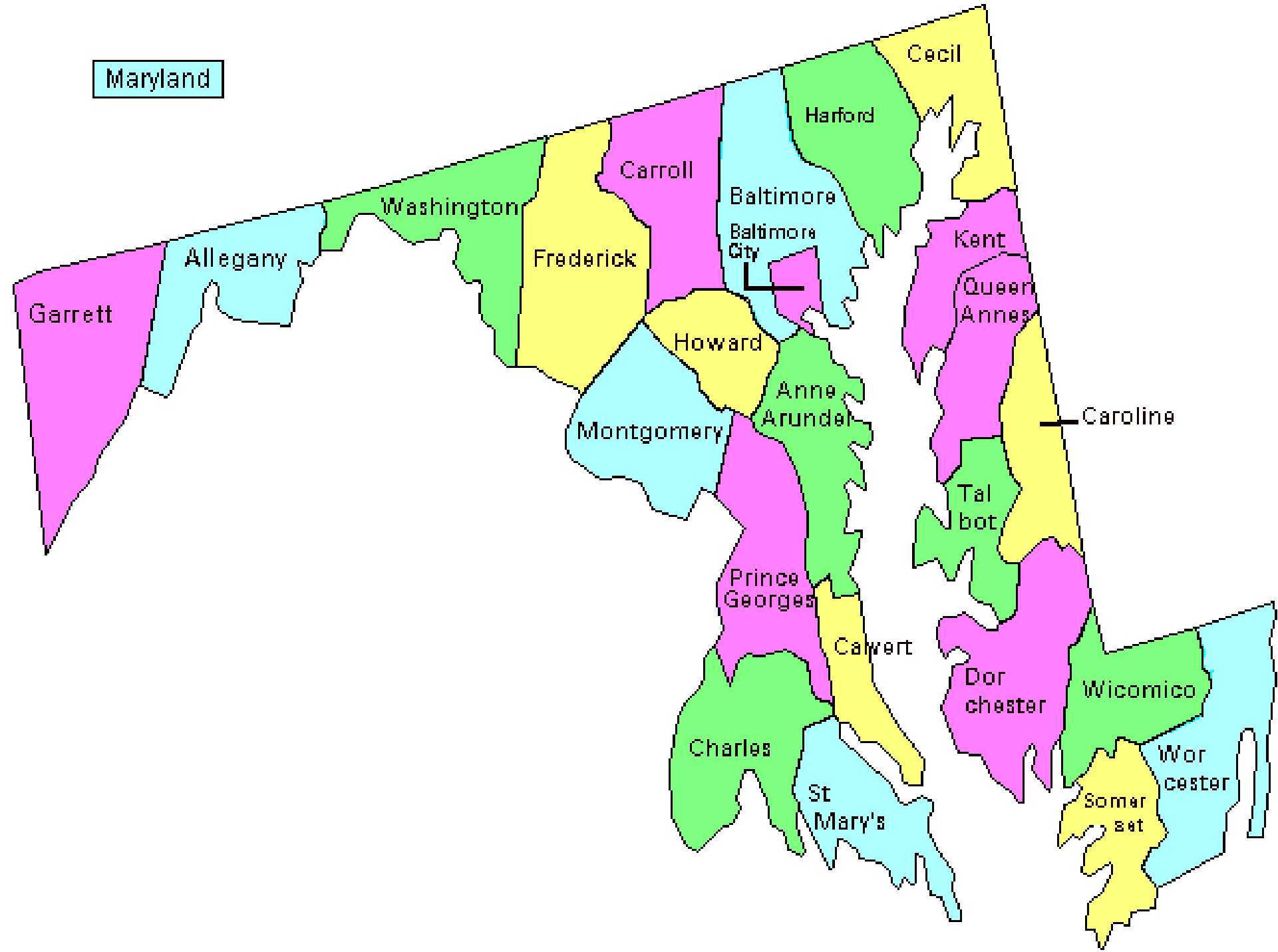
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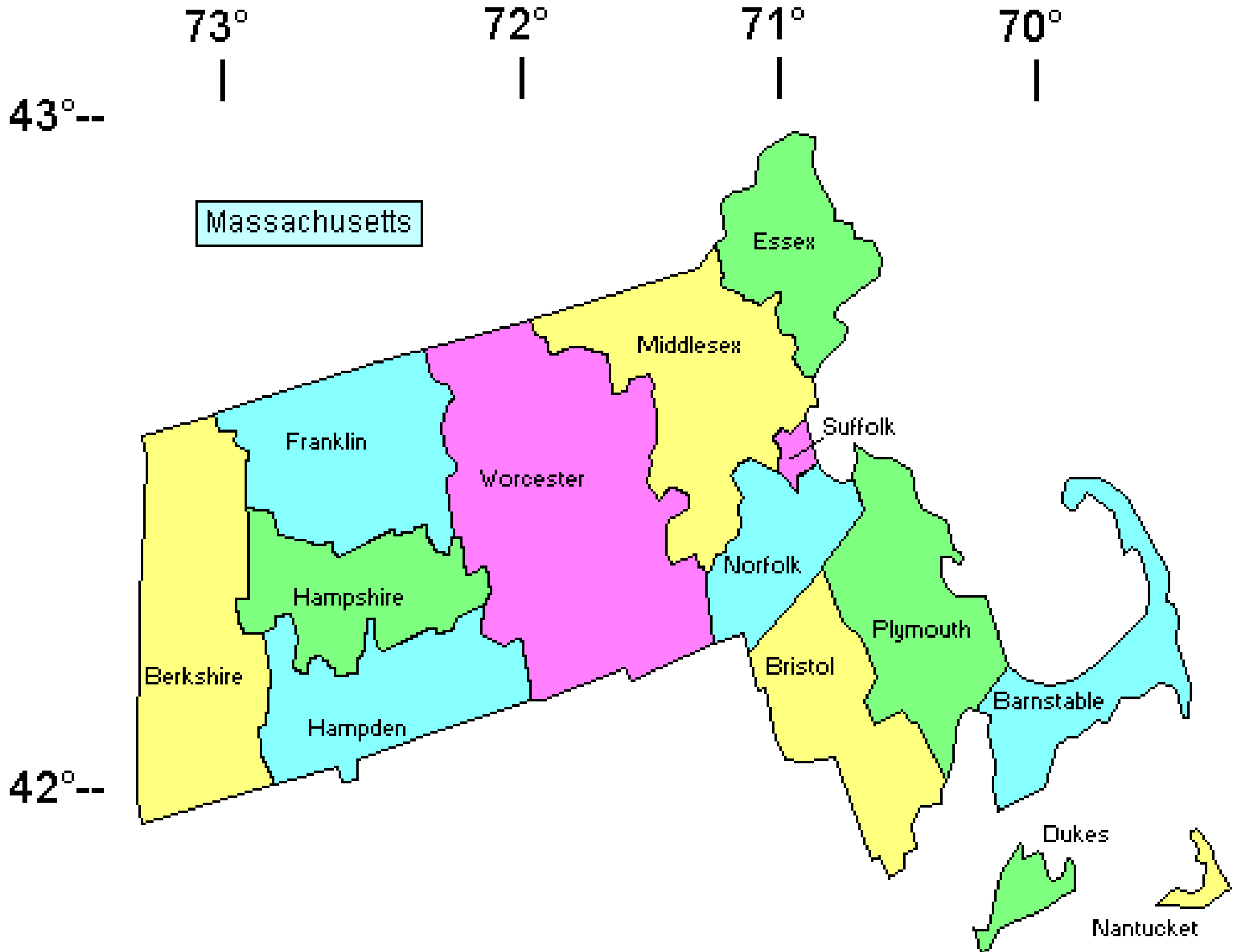
75°

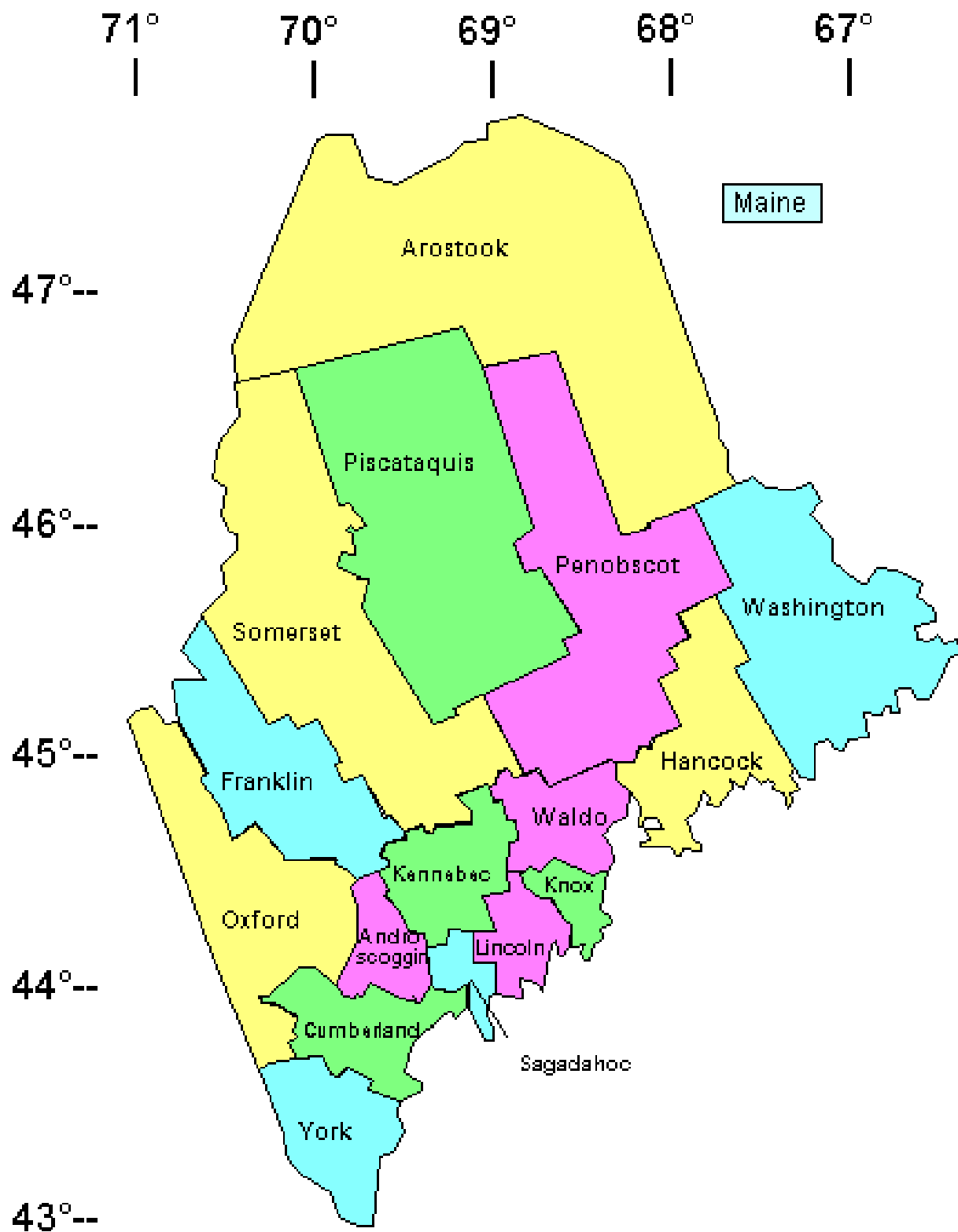
Maryland



39°--

38°--





# FOOD AND FEED CROPS OF THE UNITED STATES

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A Descriptive List Classified  
According to Potentials for  
Pesticide Residues

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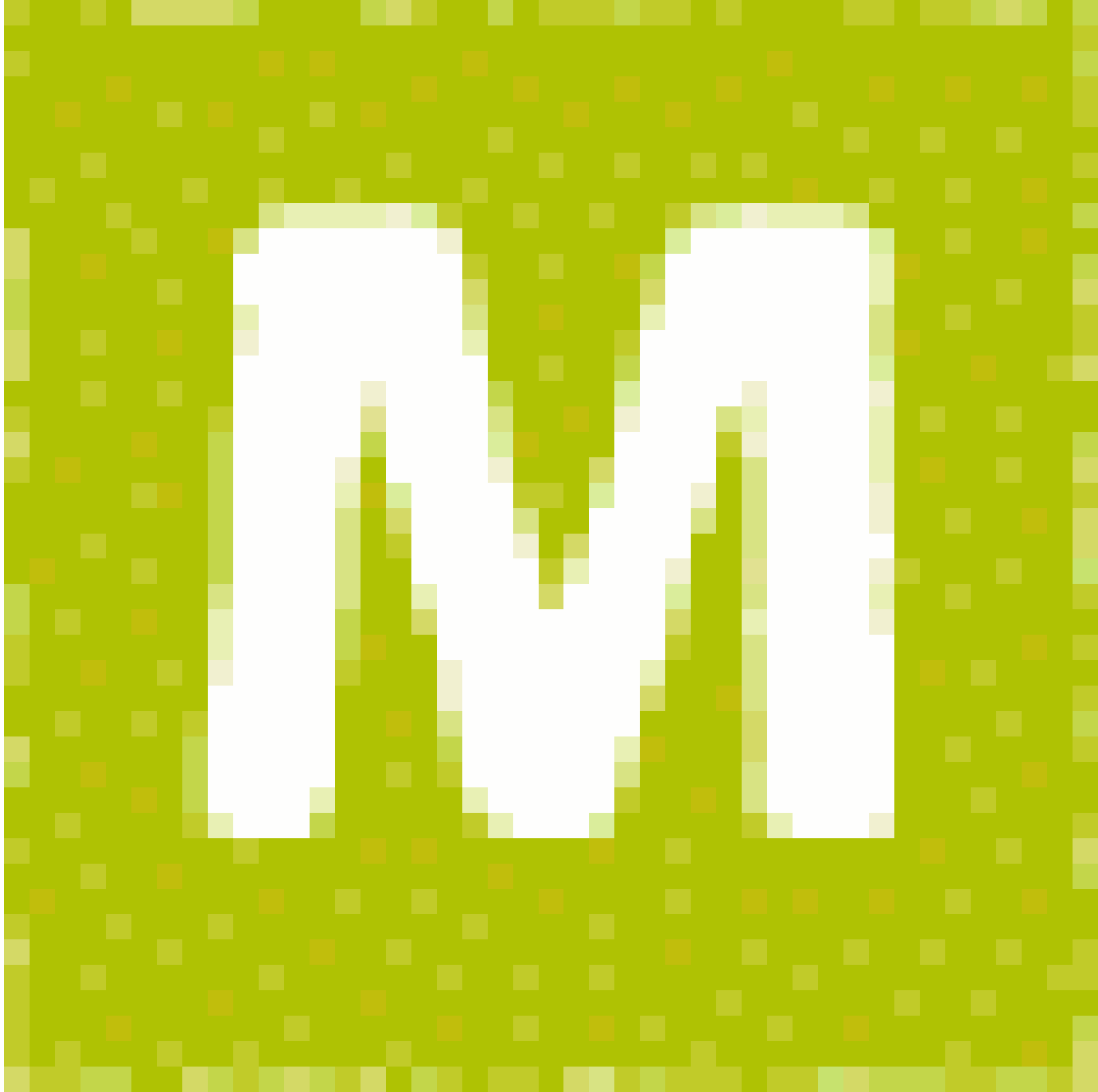
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J. R. Magness, G. M. Markle, and C. C. Compton

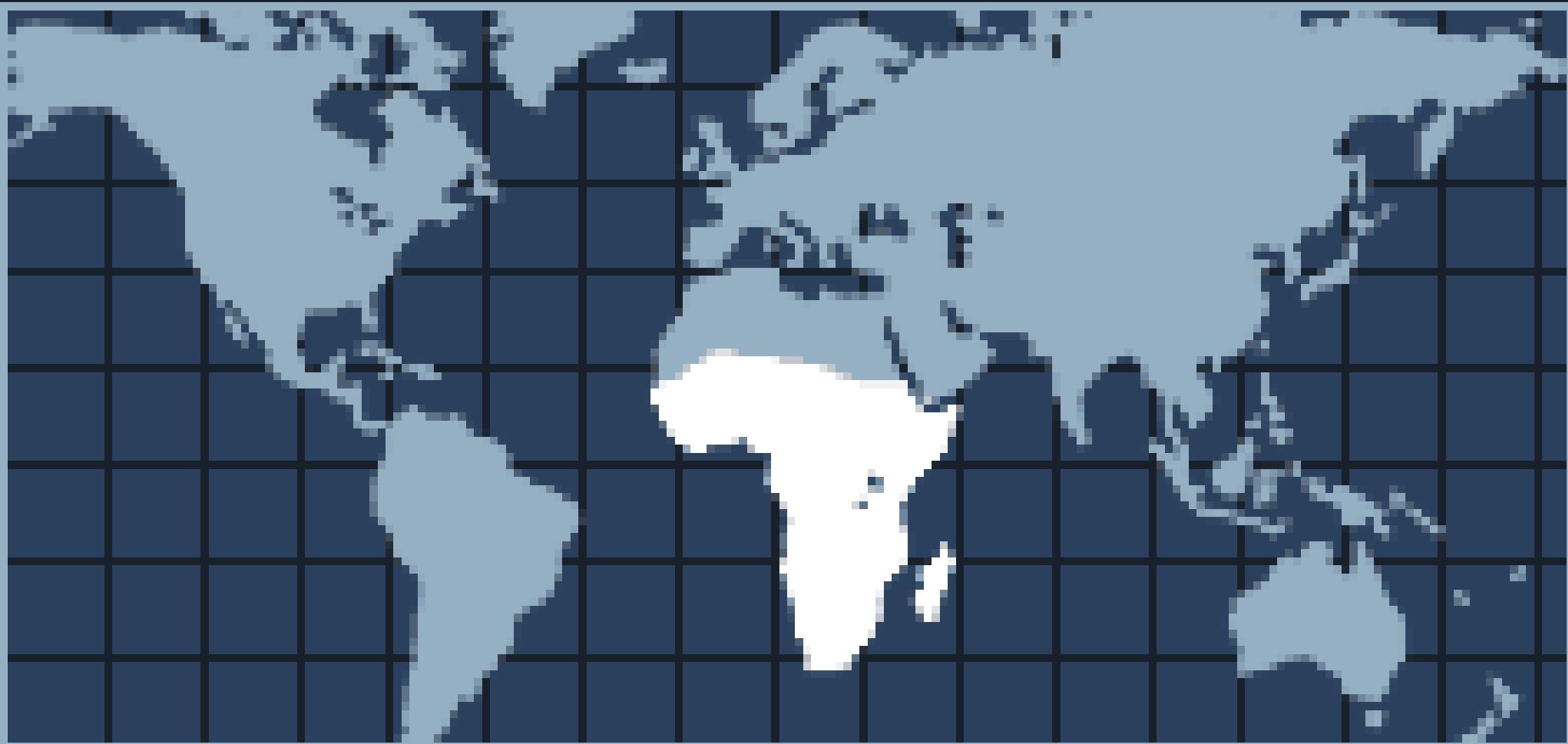
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NEW JERSEY AGRICULTURAL EXPERIMENT STATION  
COLLEGE OF AGRICULTURE AND ENVIRONMENTAL SCIENCE  
RUTGERS UNIVERSITY — THE STATE UNIVERSITY OF NEW JERSEY  
NEW BRUNSWICK

INTERREGIONAL RESEARCH PROJECT IN 4  
PR Bulletin No. 1



# SUB-SAHARAN AFRICA







Return



Return



Return



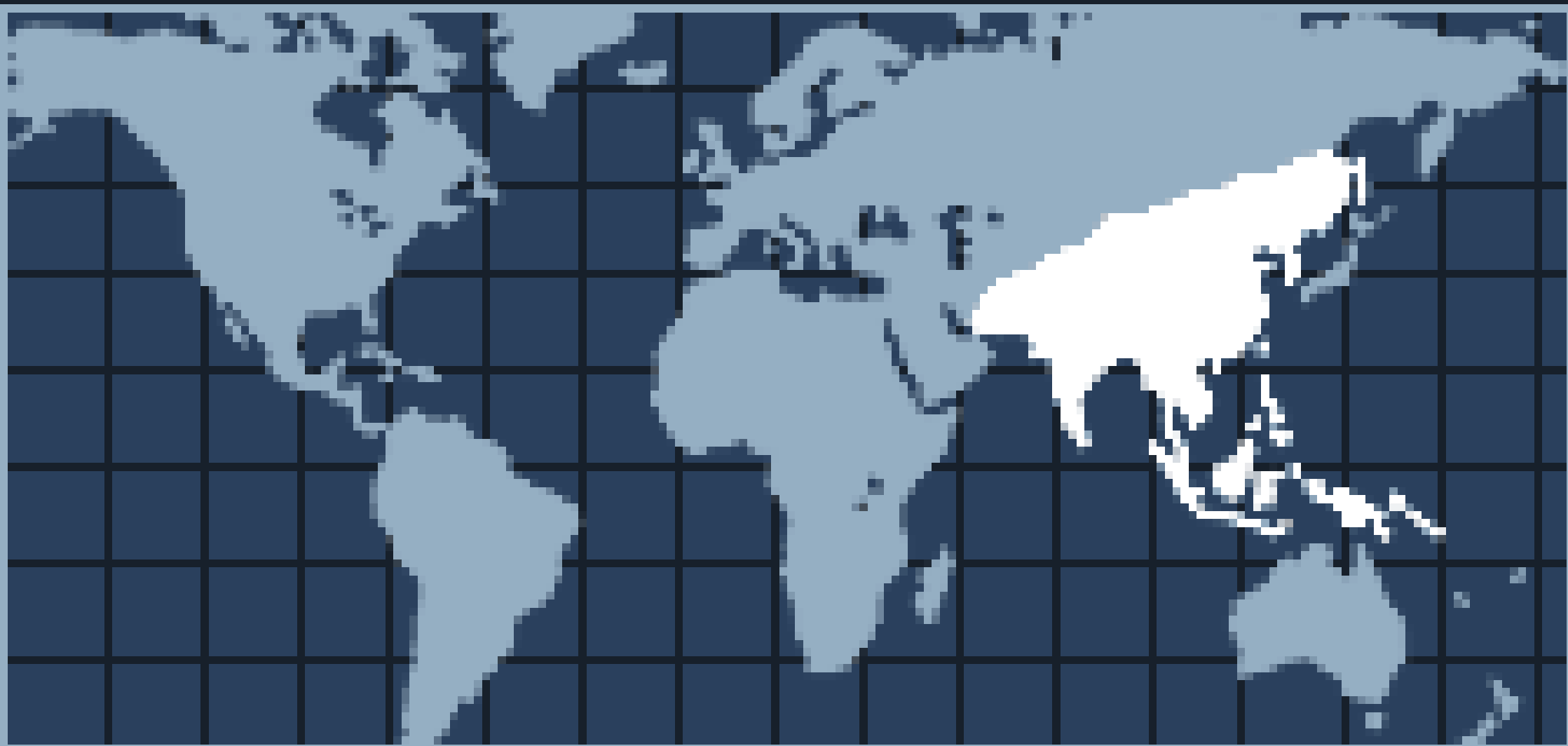
Return

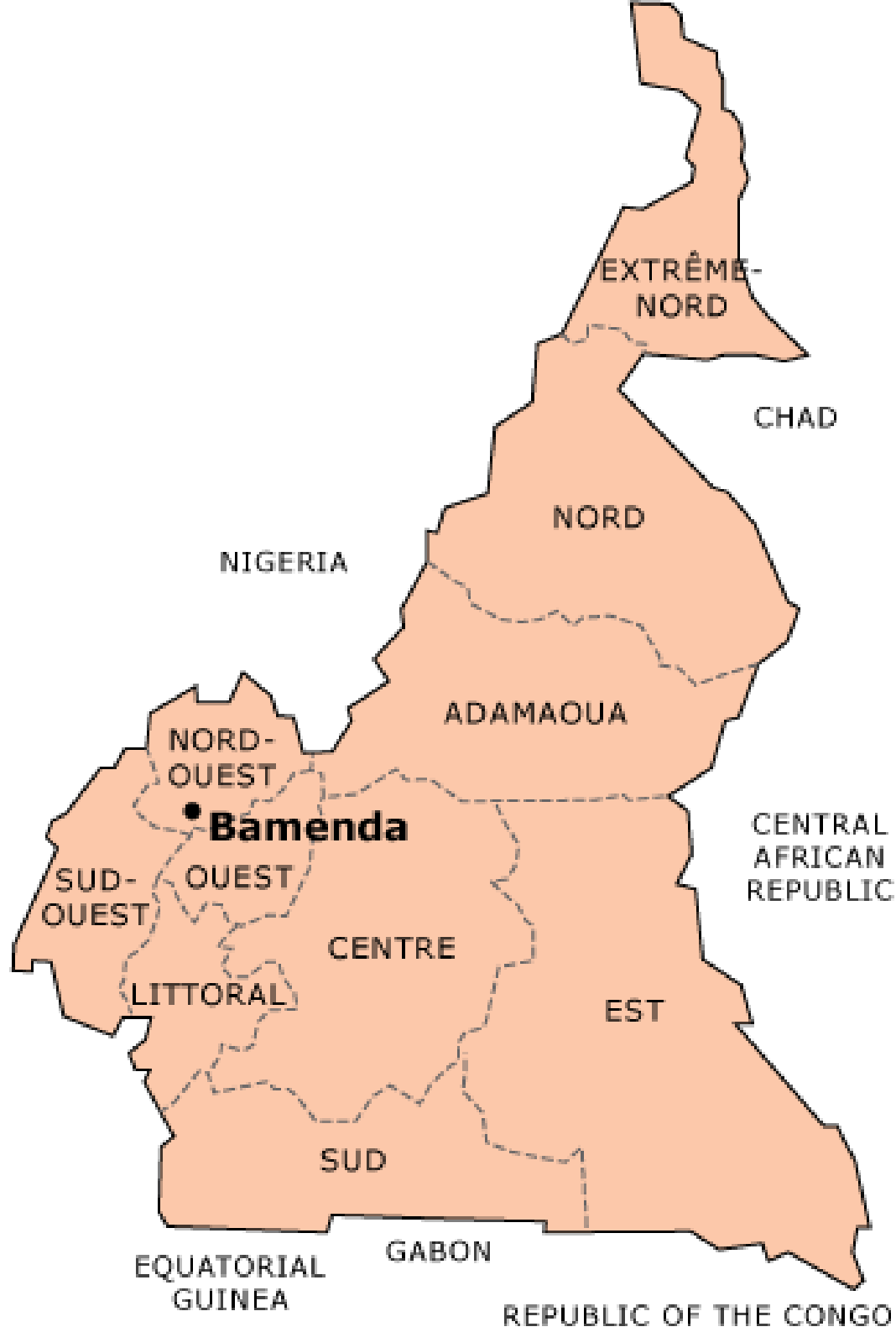


Return



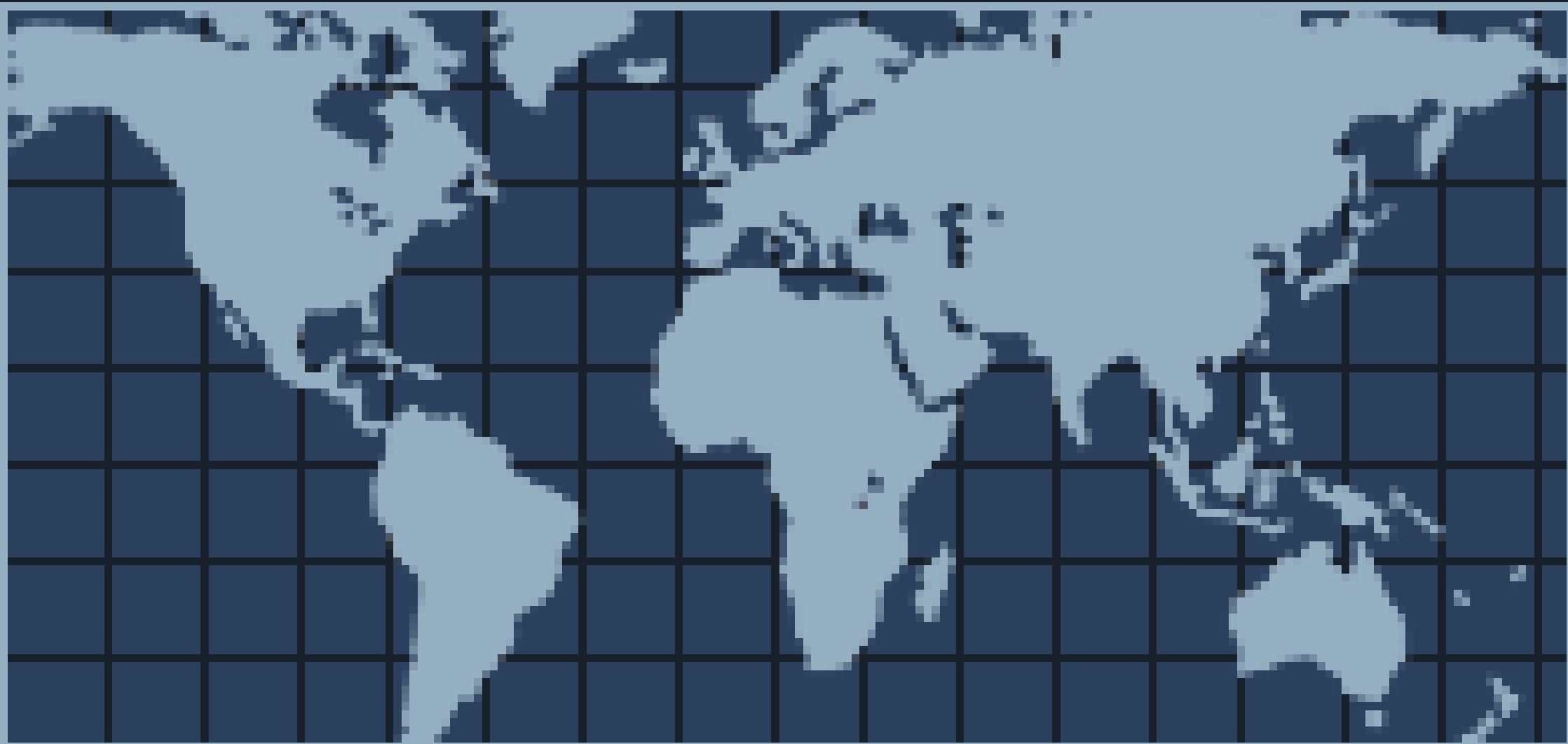
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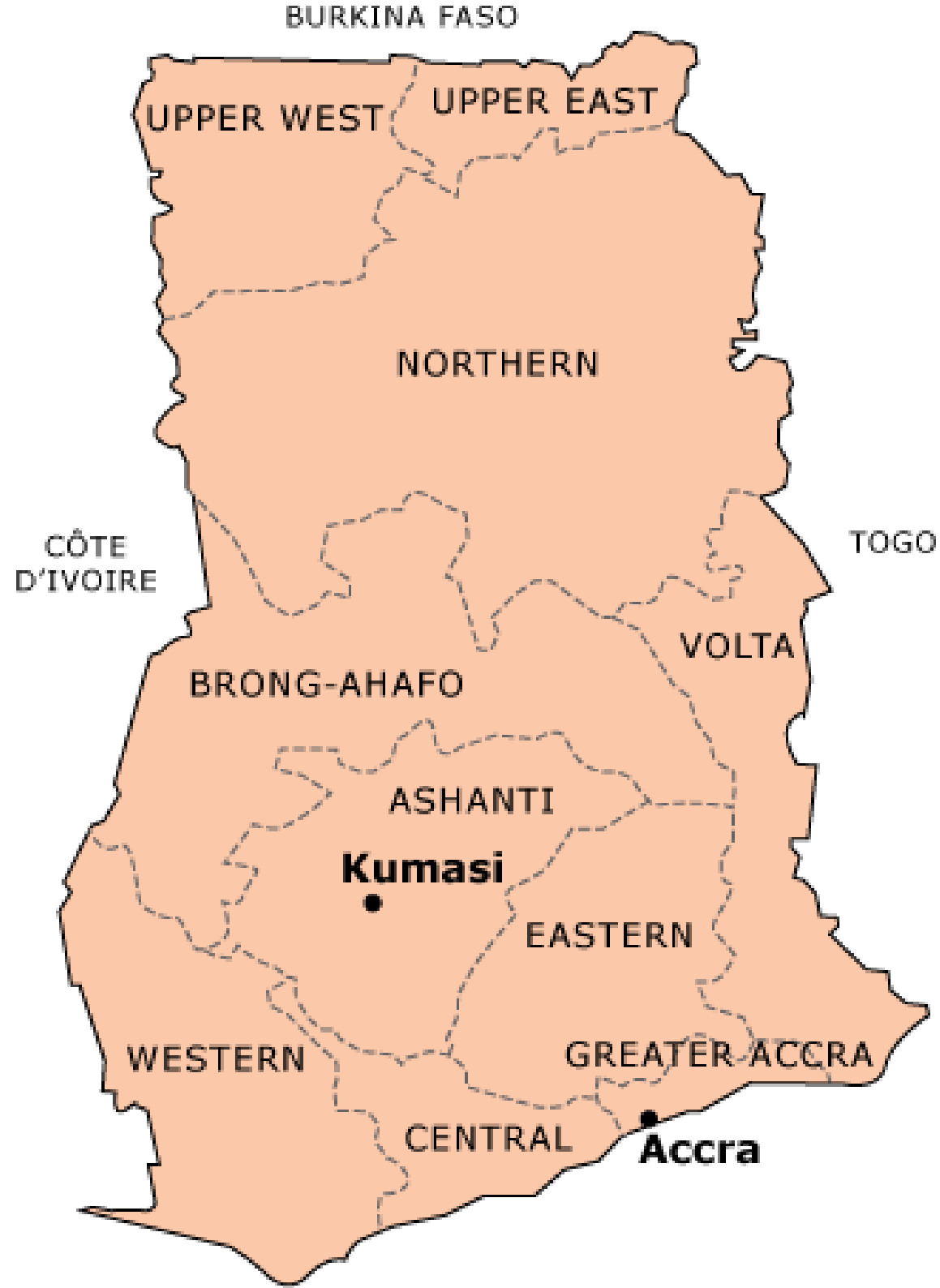






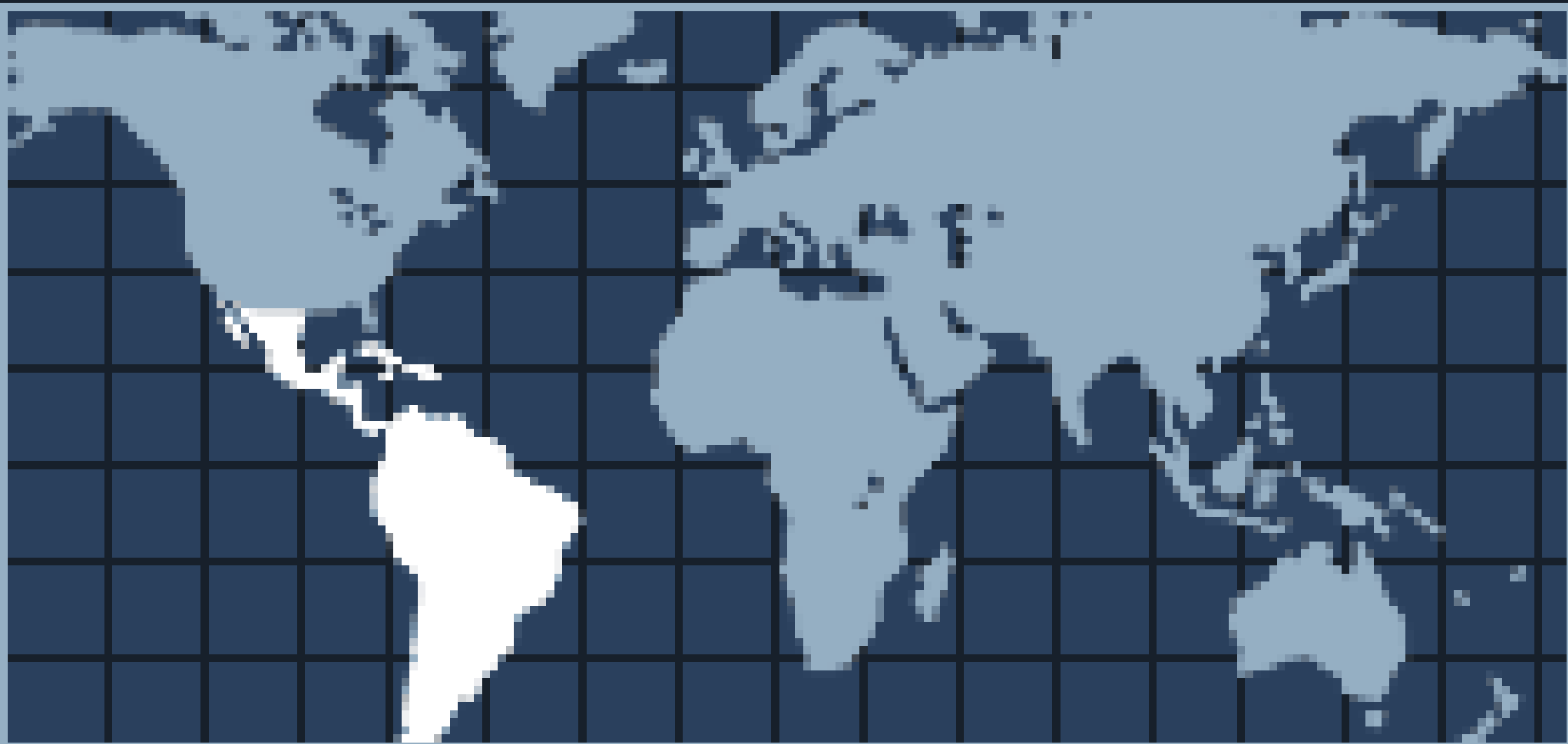
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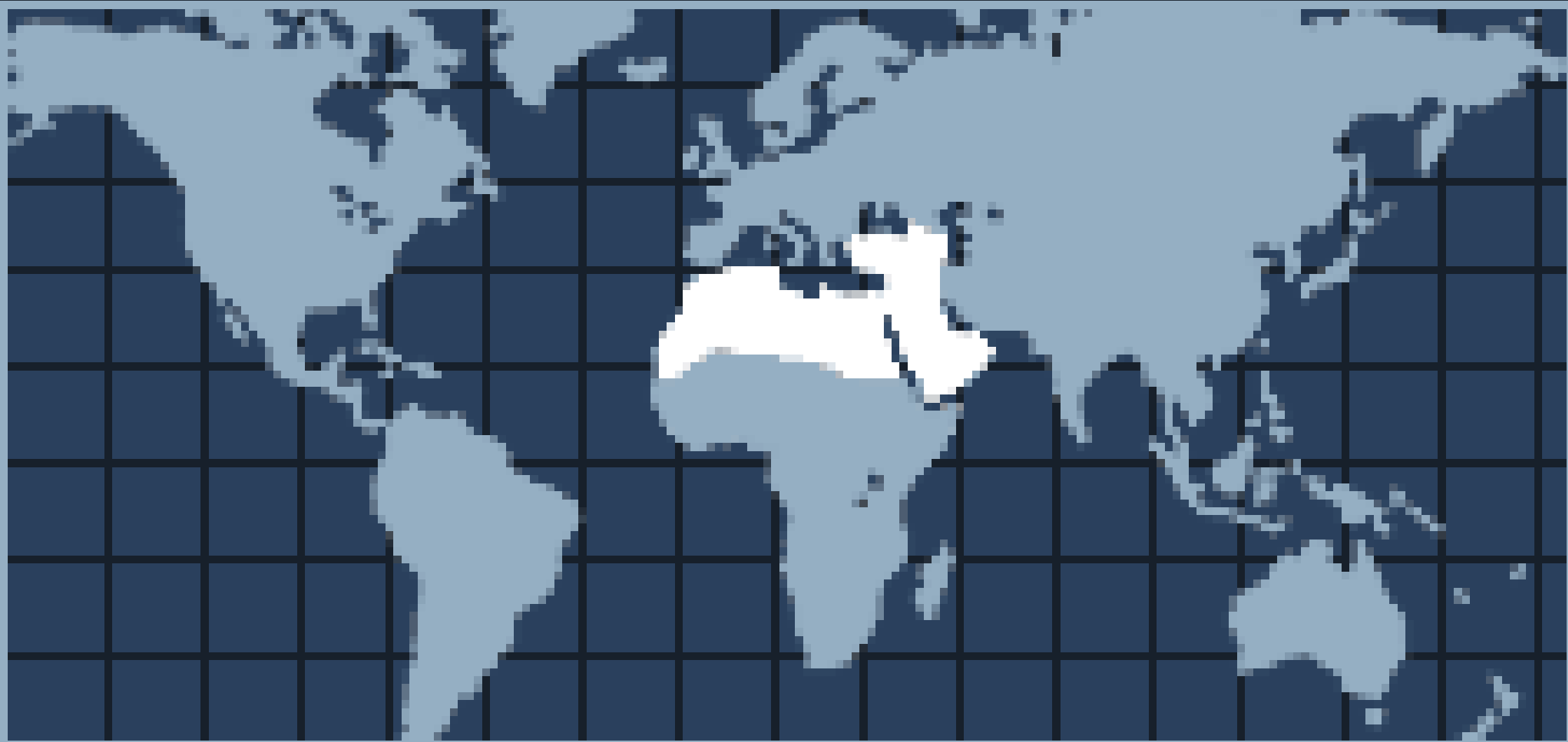


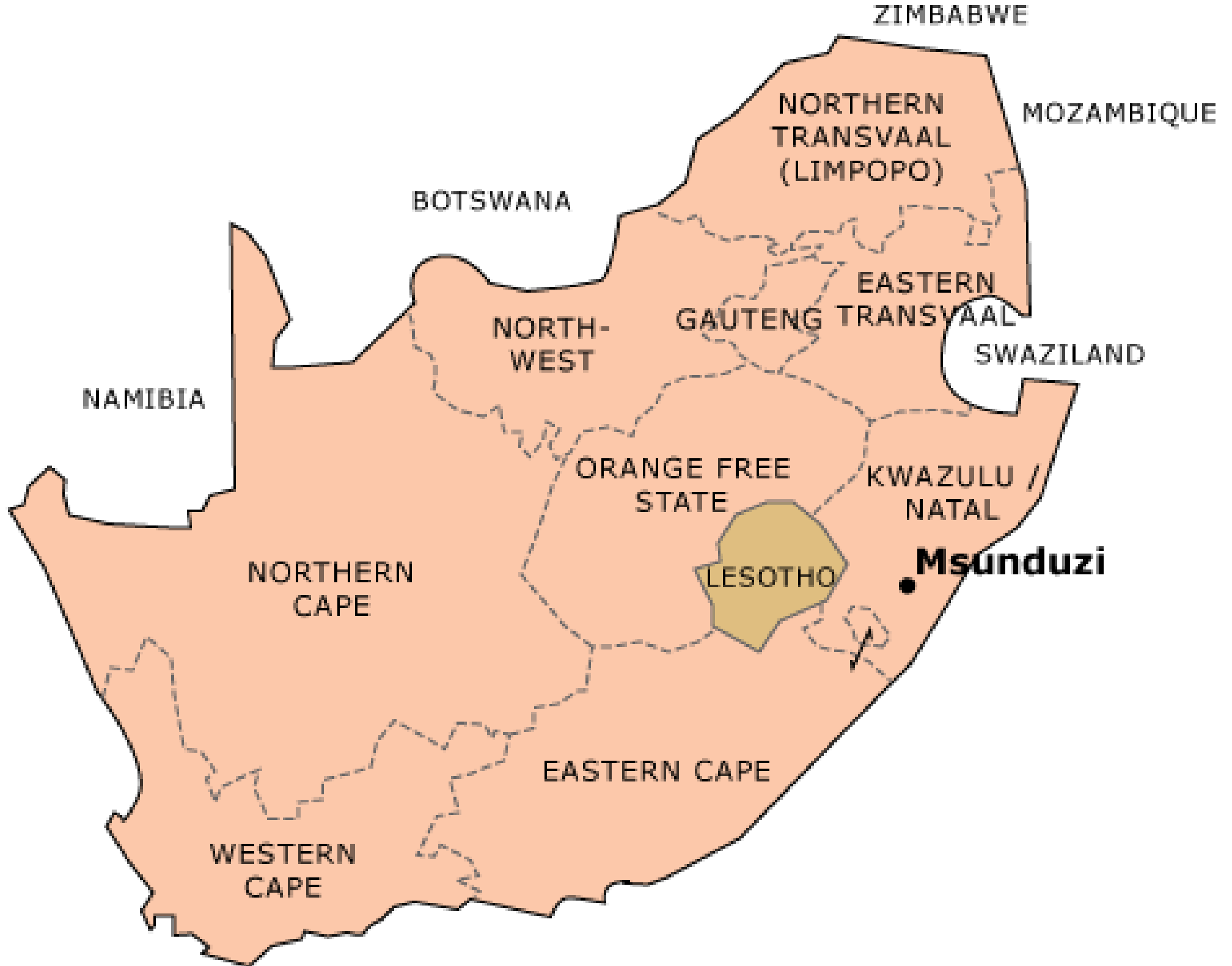


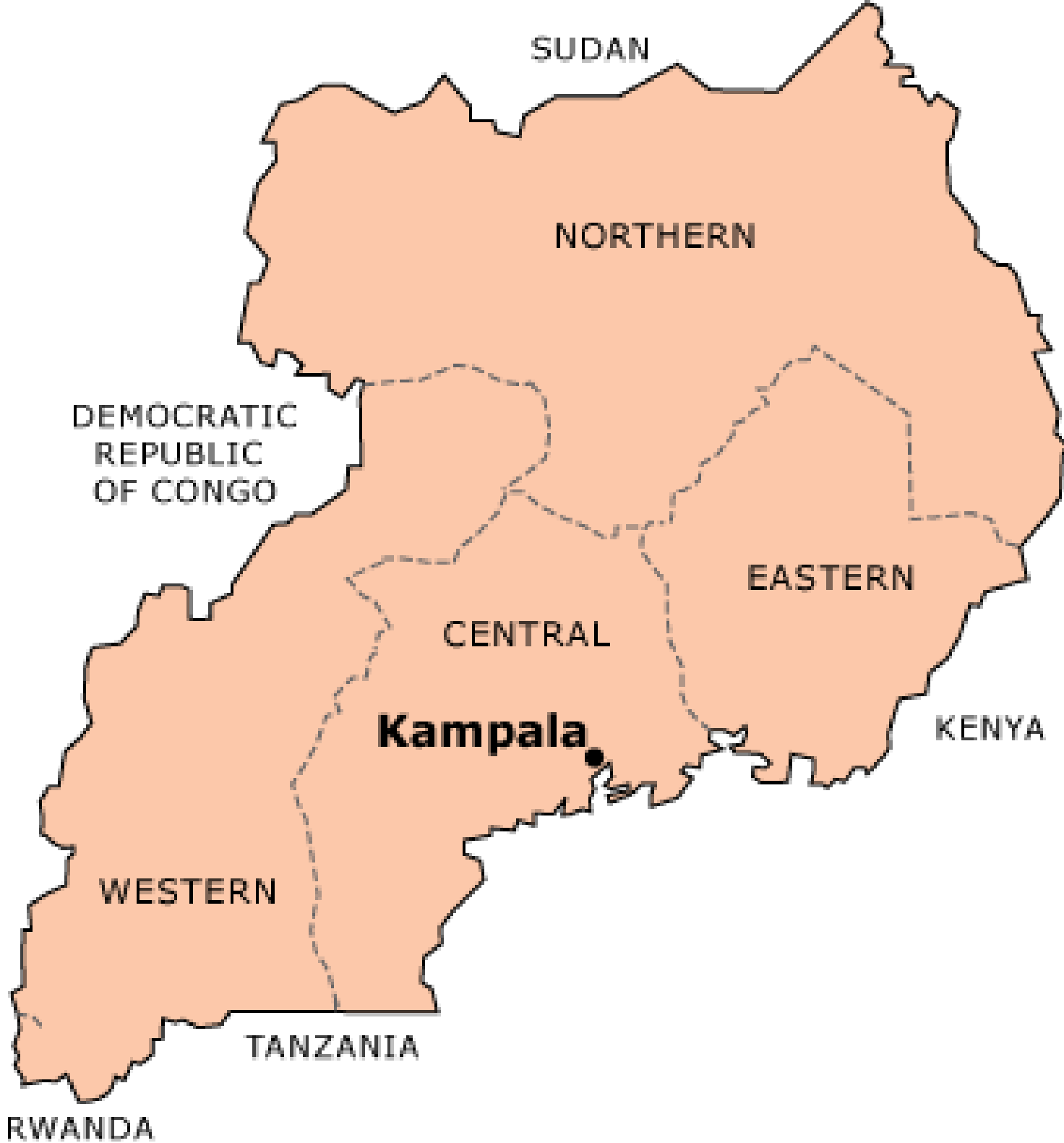
# LATIN AMERICA AND THE CARIBBEAN



# MIDDLE EAST AND NORTH AFRICA







SUDAN

NORTHERN

DEMOCRATIC  
REPUBLIC  
OF CONGO

EASTERN

CENTRAL

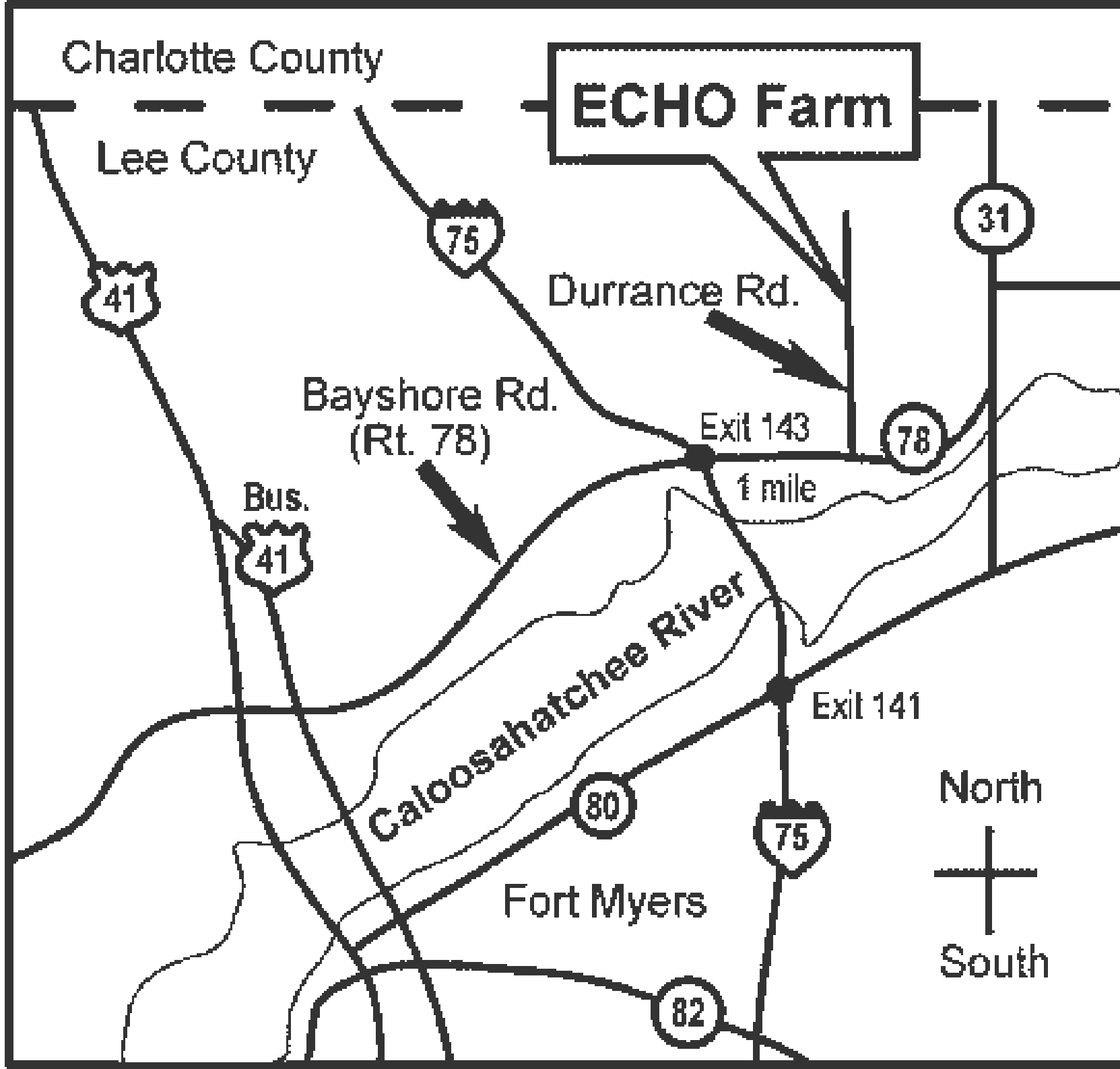
**Kampala**

KENYA

WESTERN

TANZANIA

RWANDA



Charlotte County

Lee County

**ECHO Farm**

41

75

31

Durrance Rd.

Bayshore Rd.  
(Rt. 78)

Exit 143

78

Bus.  
41

1 mile

Caloosahatchee River

Exit 141

80

75

Fort Myers

North

South

82



# MAXICROP



*That's enough!!  
That's enough!!*

HELPS EVERYTHING GROW  
**NATURALLY**

- ✦ MAXICROP SEAWEED
- ✦ SEAWEED PLUS IRON
- ✦ MAXICROP LIQUID FISH

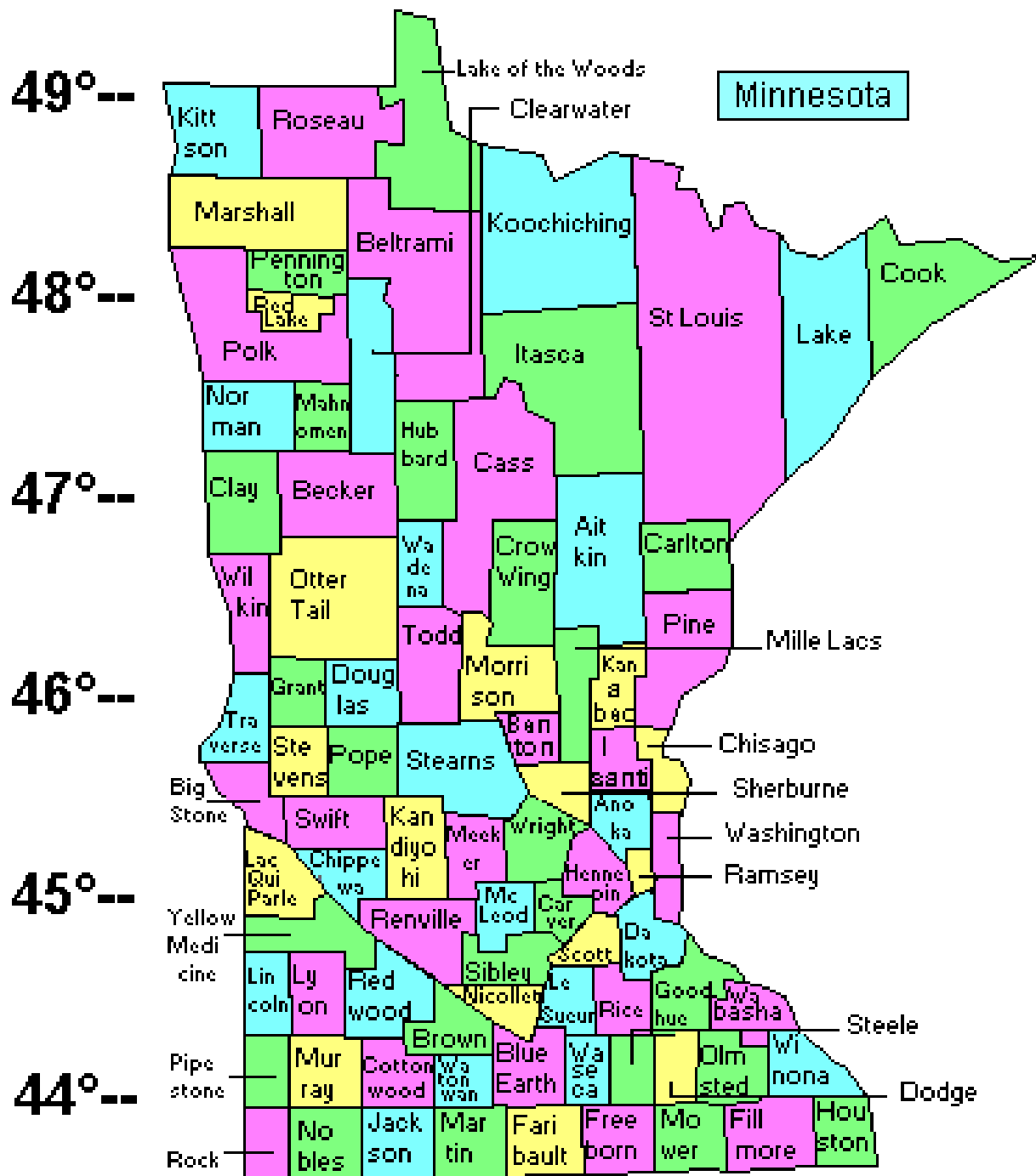
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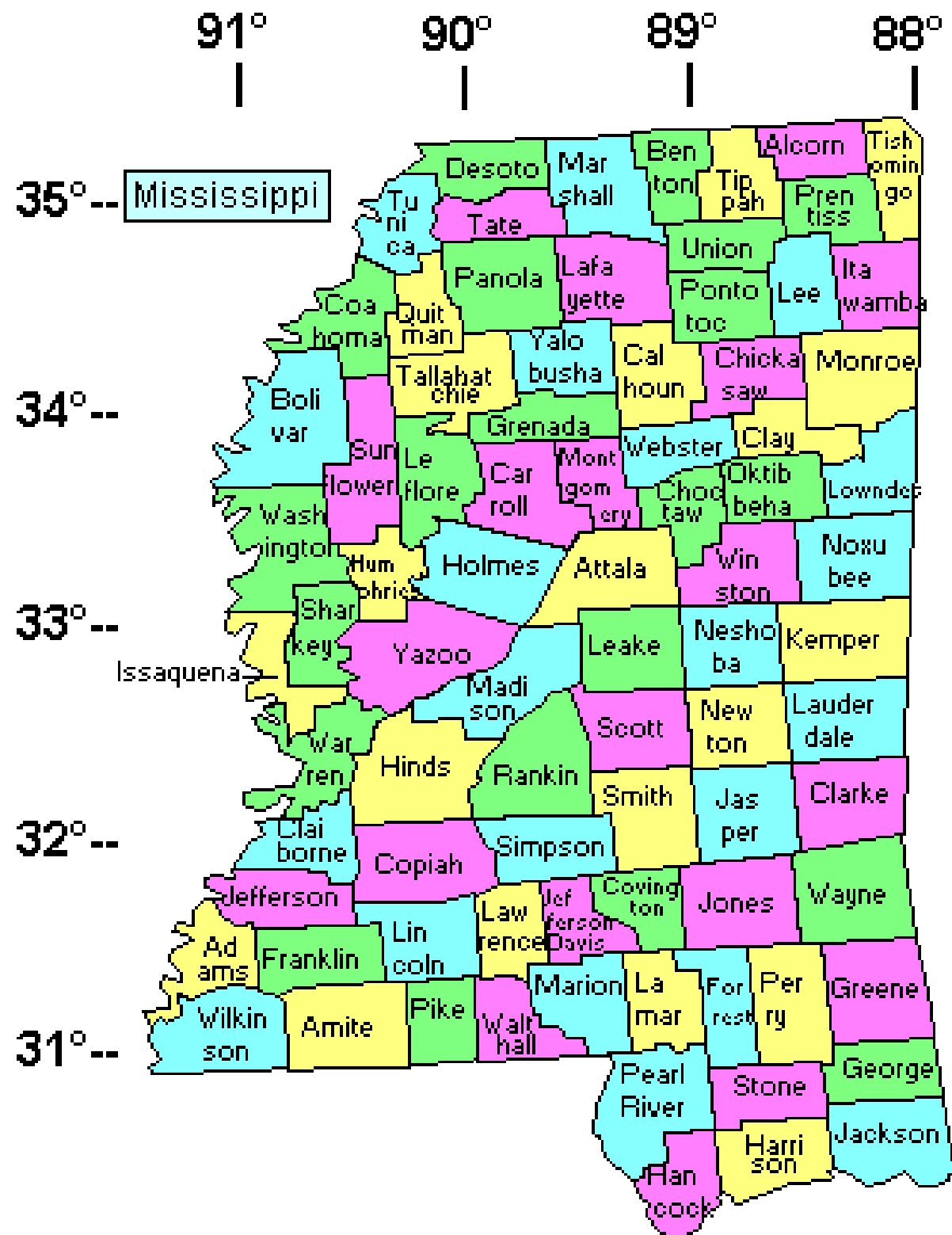
**MAXICROP U.S.A., Inc.**

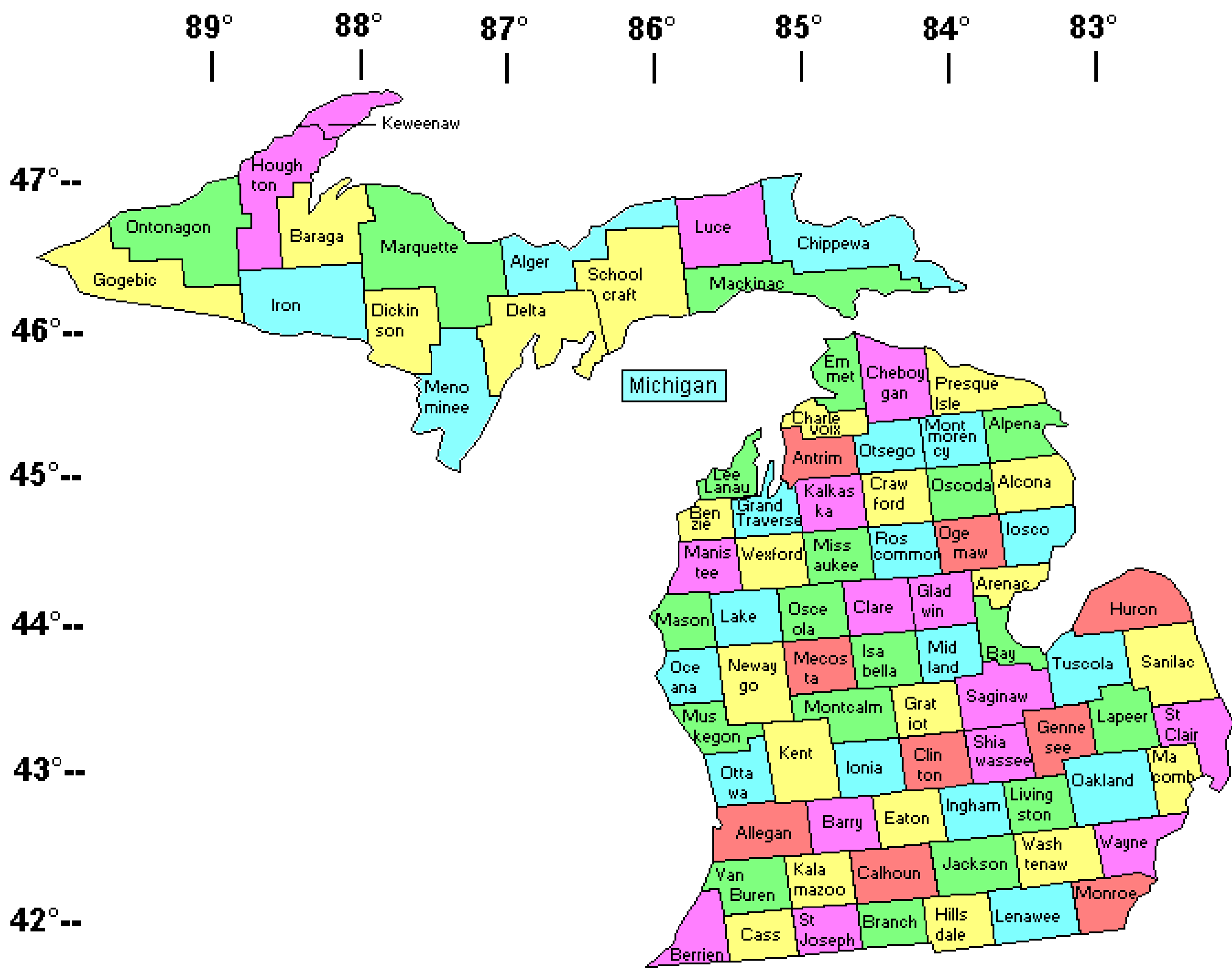
**1-800-535-7964**

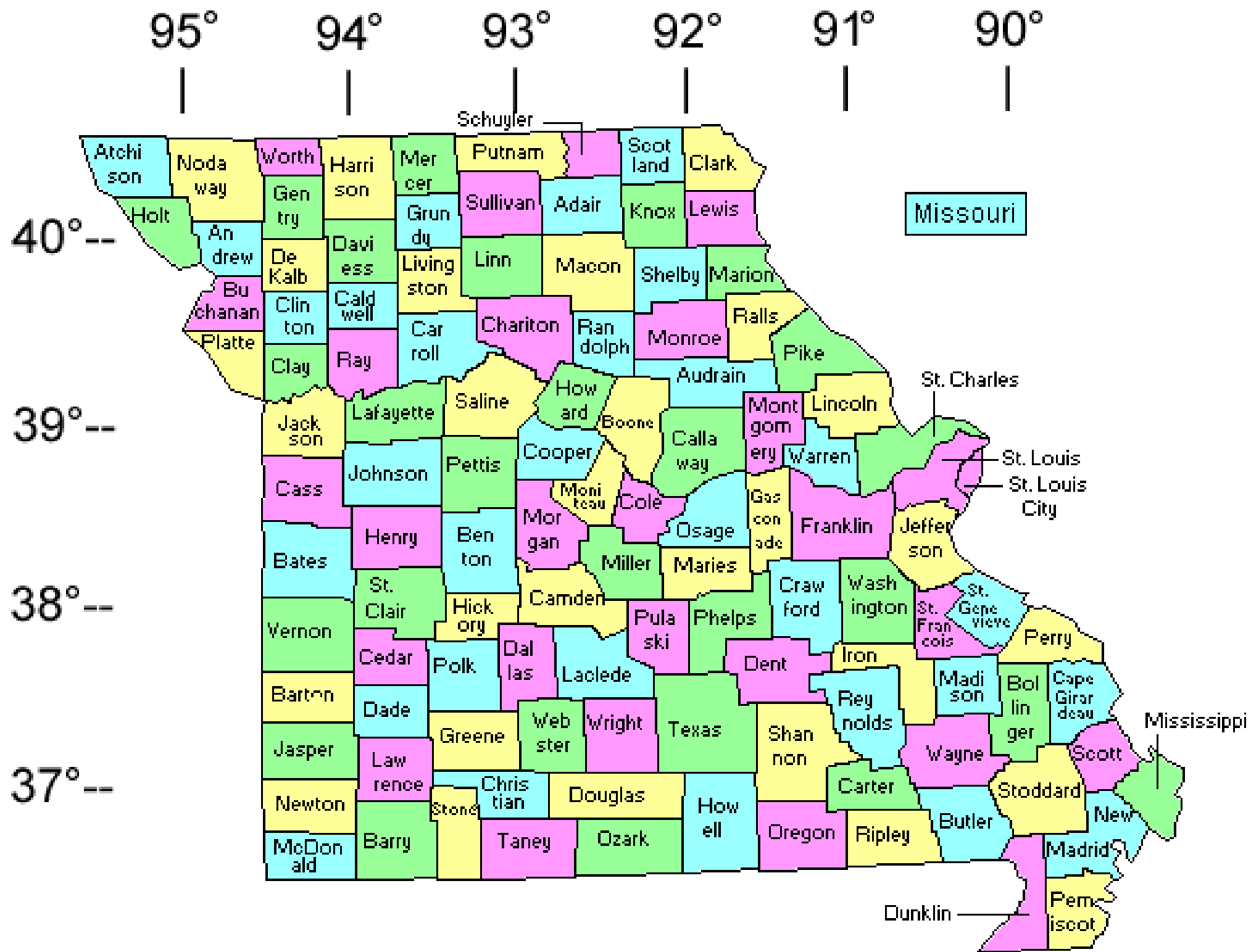
[www.MAXICROP.com](http://www.MAXICROP.com)

97° 96° 95° 94° 93° 92° 91° 90°







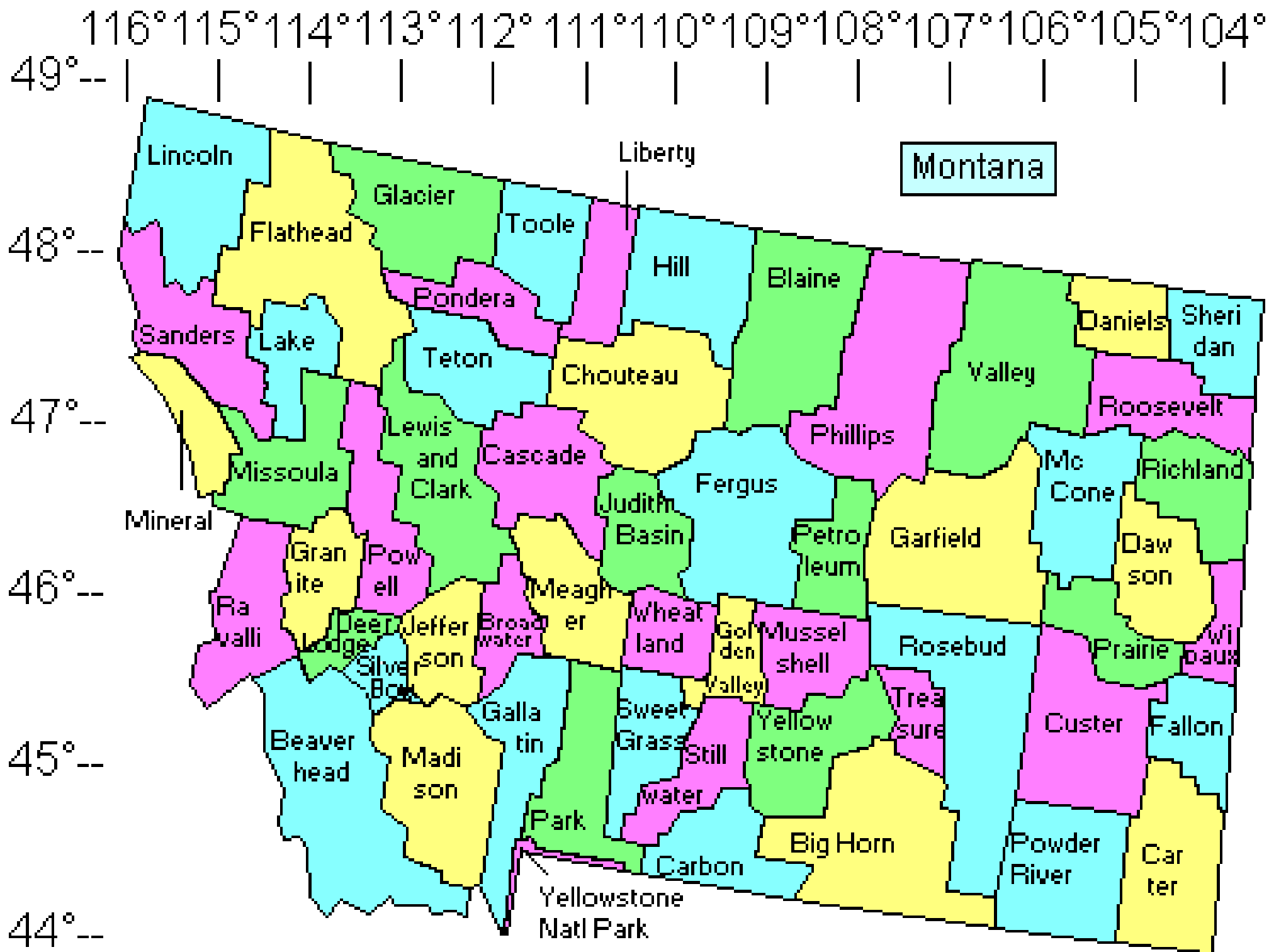






# What to do in Your Garden this Month

monthly.gif





# A Healthy Dog Is A Happy Dog

## Muenster™ Natural Benefits

- ✓ Boosts Immune Systems
- ✓ Reduces Allergies
- ✓ Minimizes Digestive Problems
- ✓ Healthier Skin
- ✓ Cleaner Teeth
- ✓ Shinier Coat
- ✓ Healthier, Happier Dog



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No  
chemicals,  
preservatives,  
or fillers –

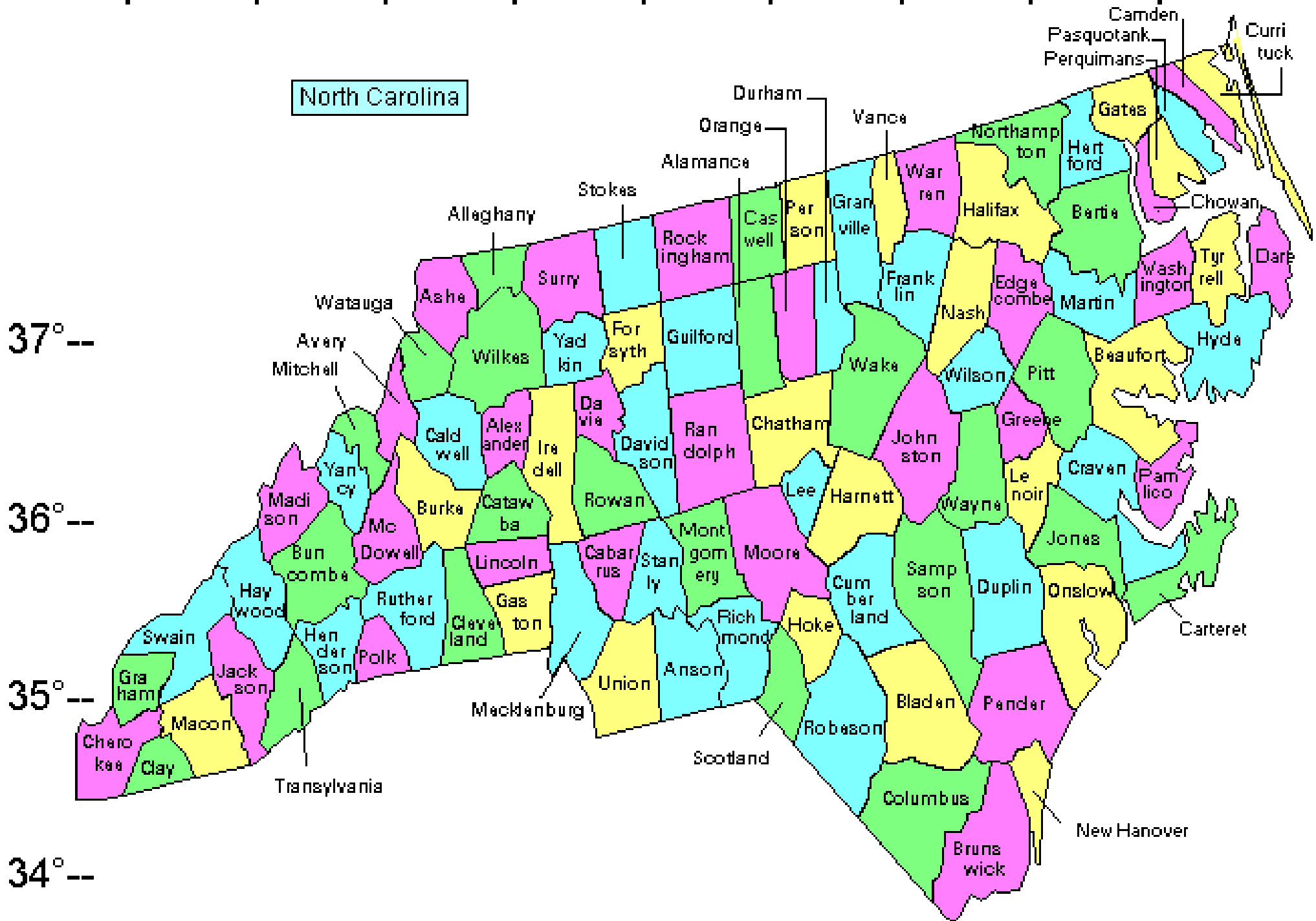
Muenster™ Natural is formulated with meal from real chicken, flax seed and fish oil provide a source of both short and long-chain Omega 3 fatty acids and the yeast culture is a valuable fermentation product to aid in nutrient digestion and improve performance.

Available at  
**Muenster Milling Co., Inc.**  
"The Feed People"®  
P.O. Box 585  
Muenster, TX 76252  
800-772-7178



84° 83° 82° 81° 80° 79° 78° 77° 76°

North Carolina

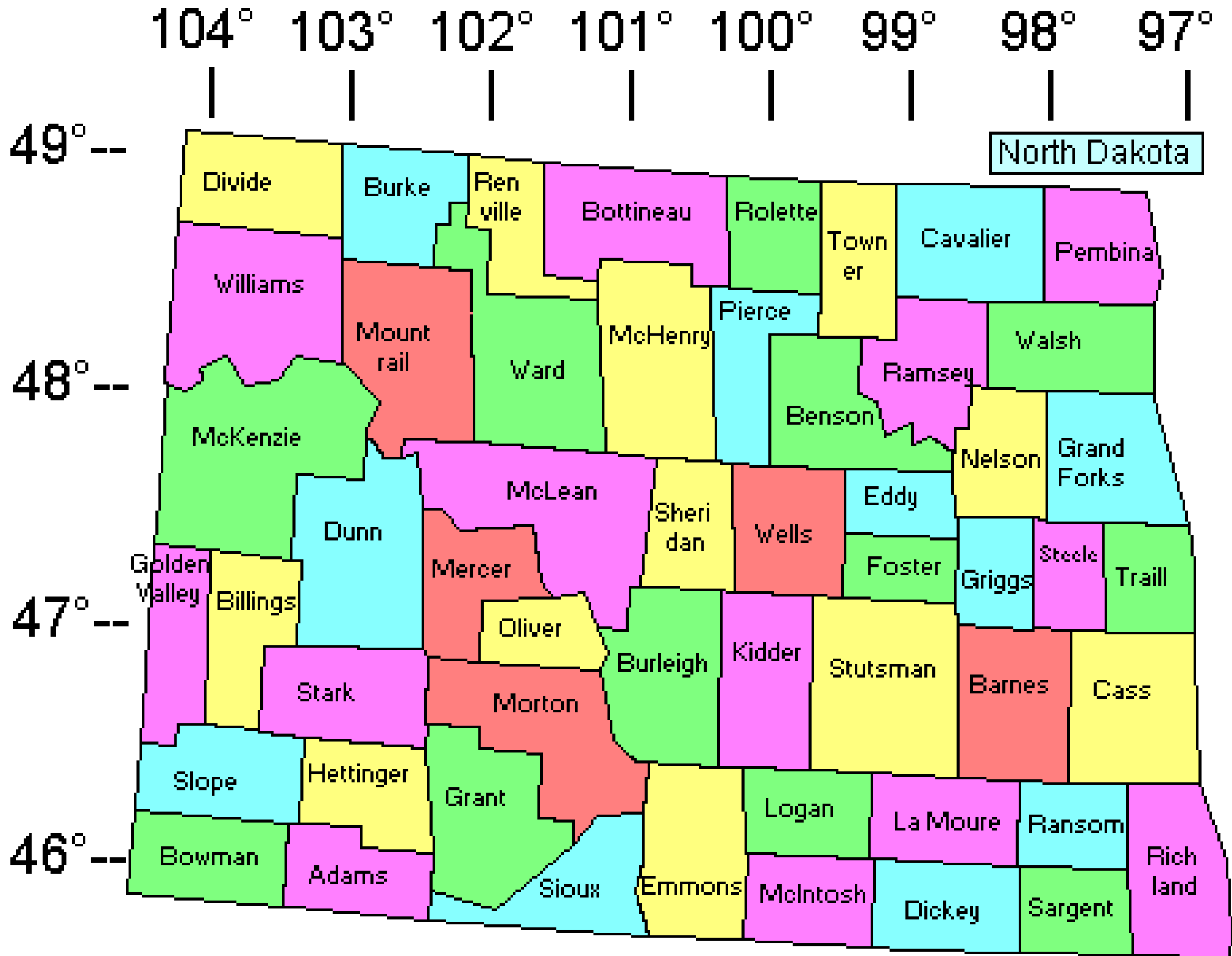


37°--

36°--

35°--

34°--



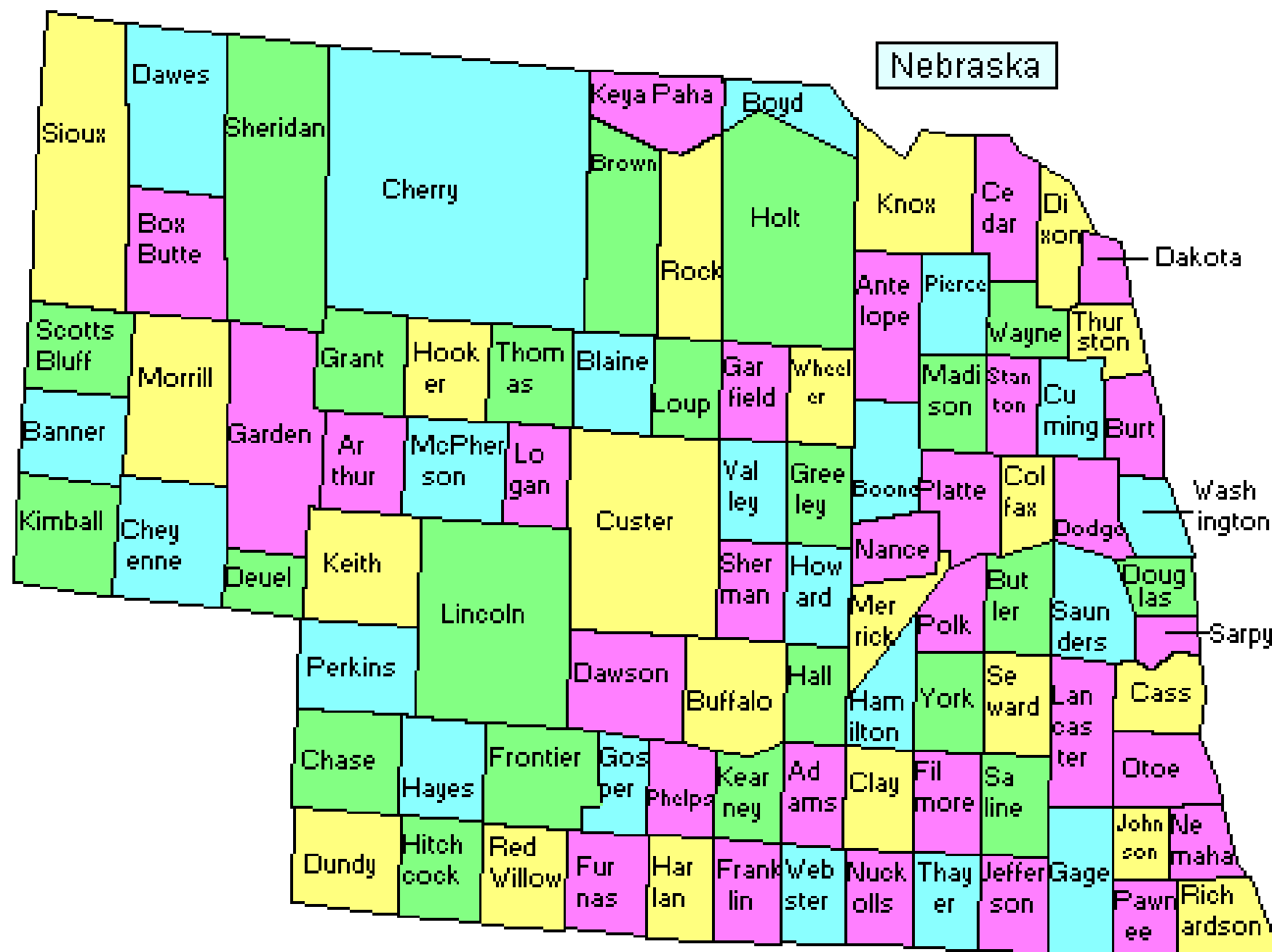
104° 103° 102° 101° 100° 99° 98° 97°

43°--

42°--

41°--

40°--





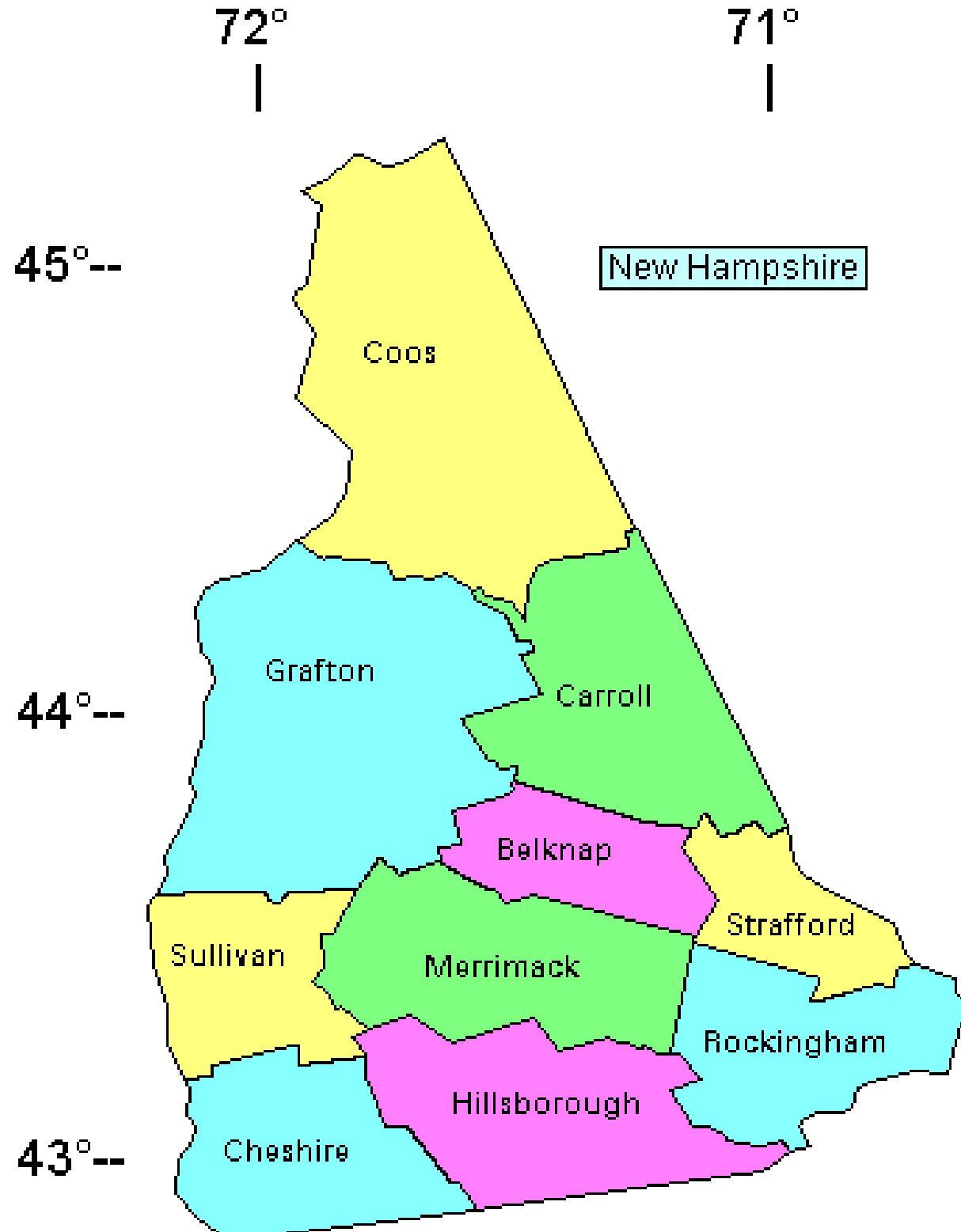
From  
Nature's Guide:  
Garrett Juice,  
from Howard's  
own recipe.



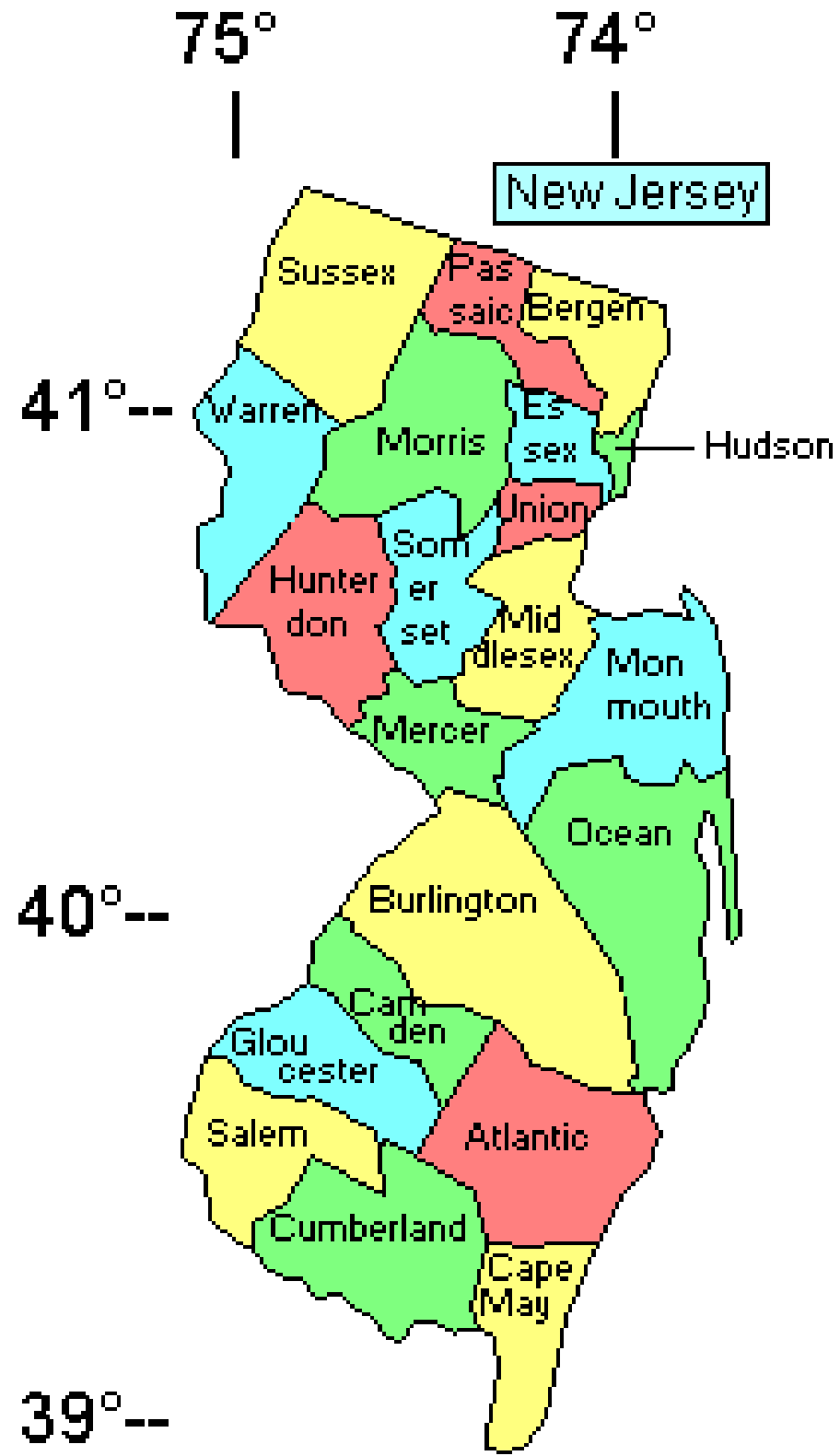
**NEW!**

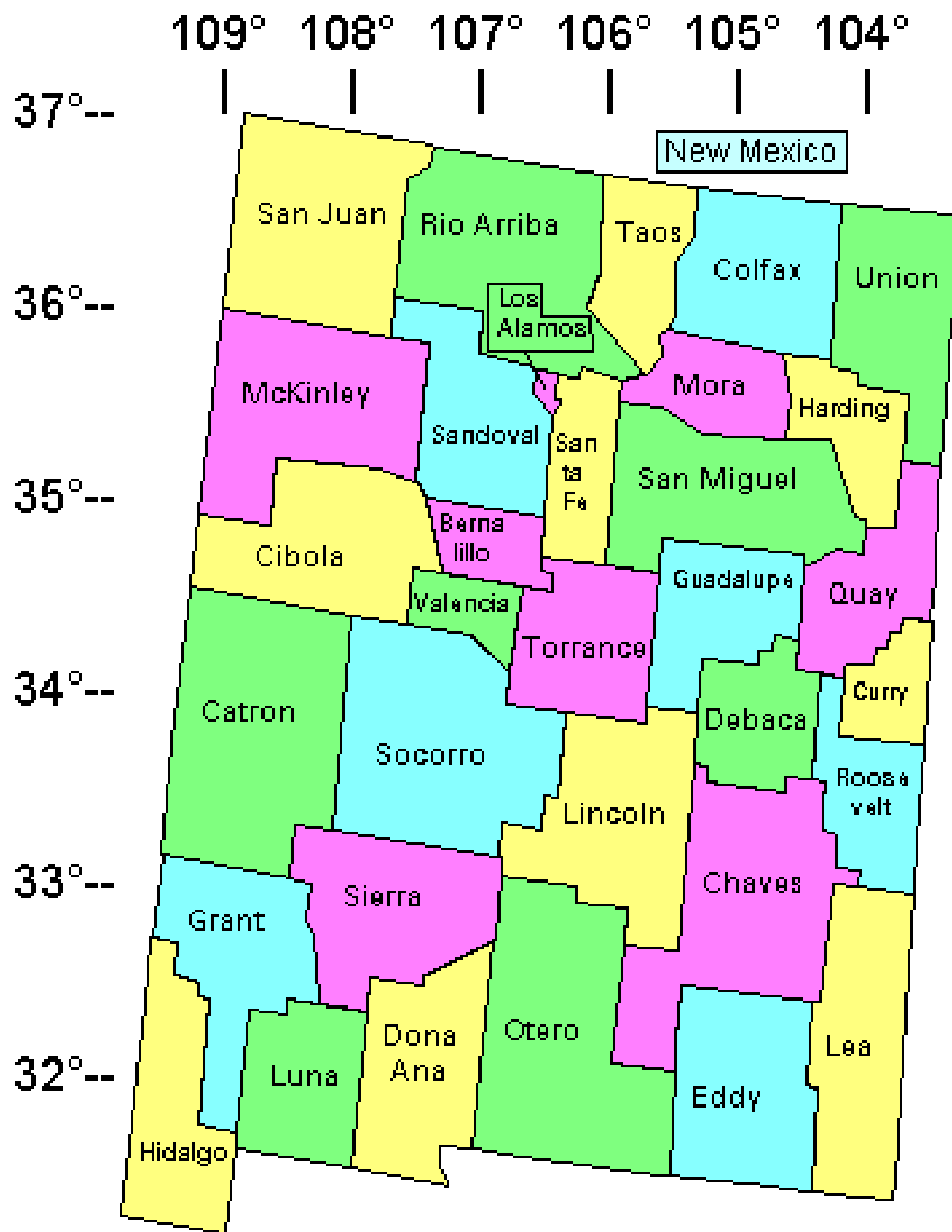
From  
Nature's Guide:  
Fight fire ants with  
Mound Drench!











# The Natural Way is the Path to Health

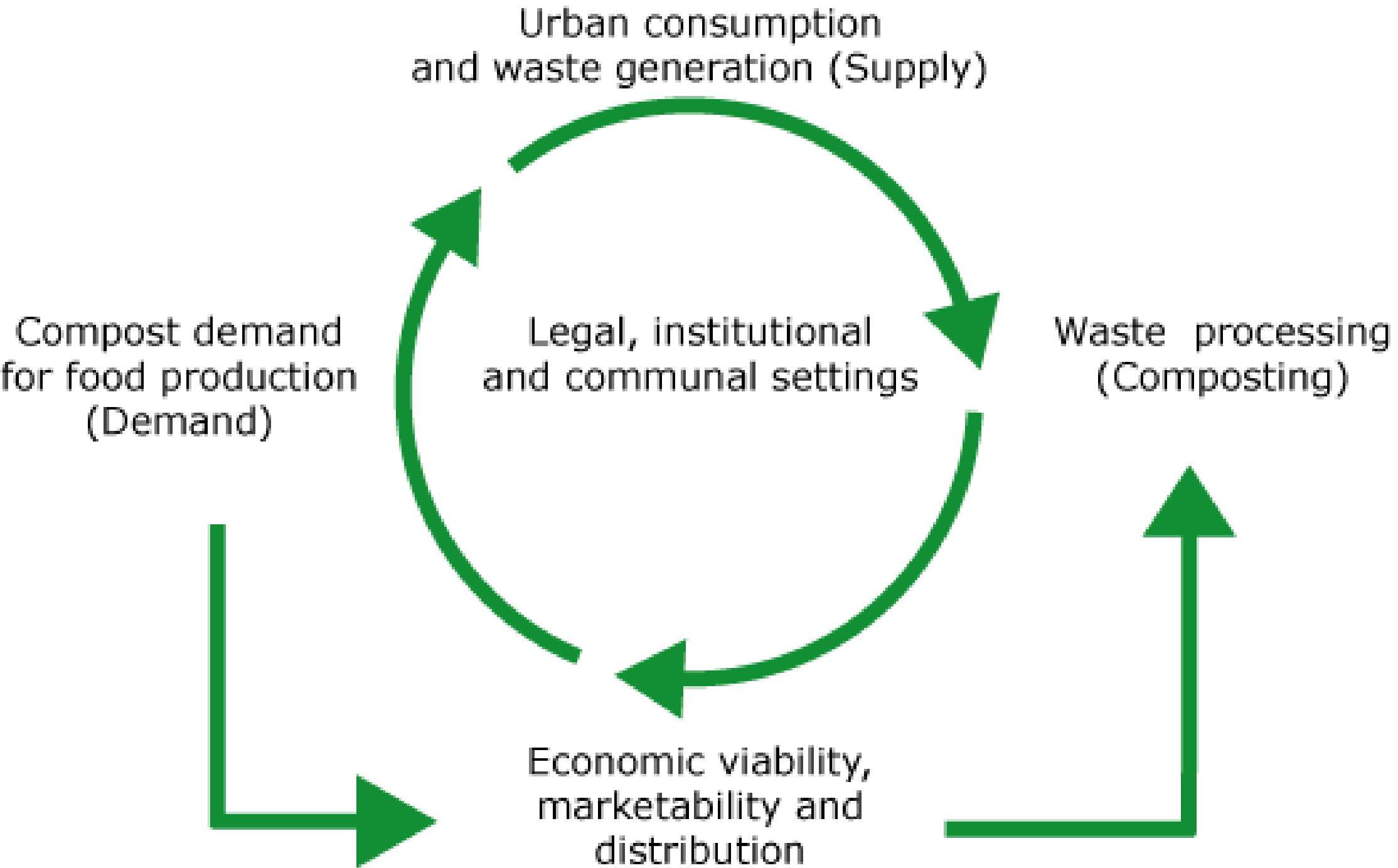
A NOTE FROM HOWARD

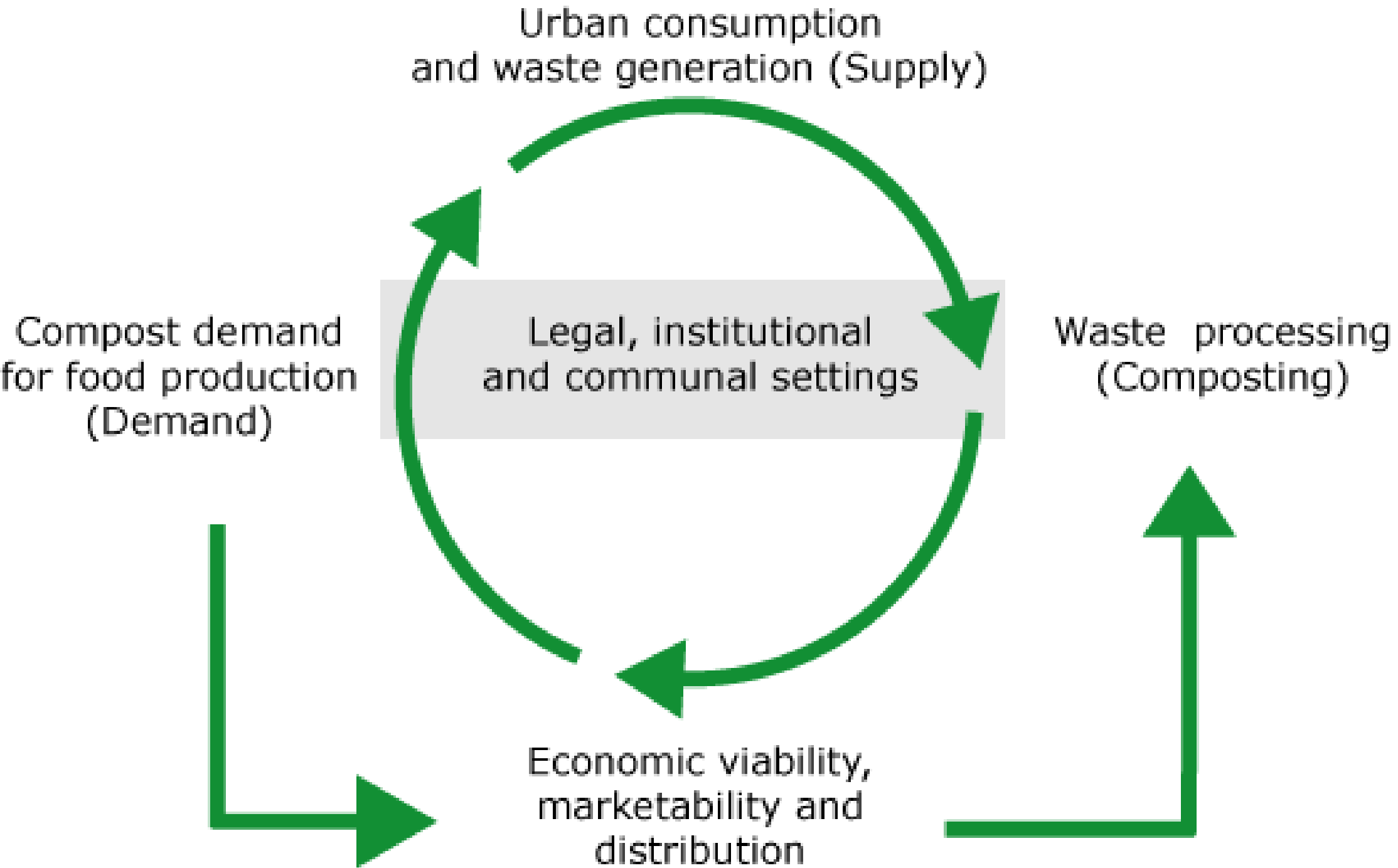


[notefromhoward.gif](http://notefromhoward.gif)

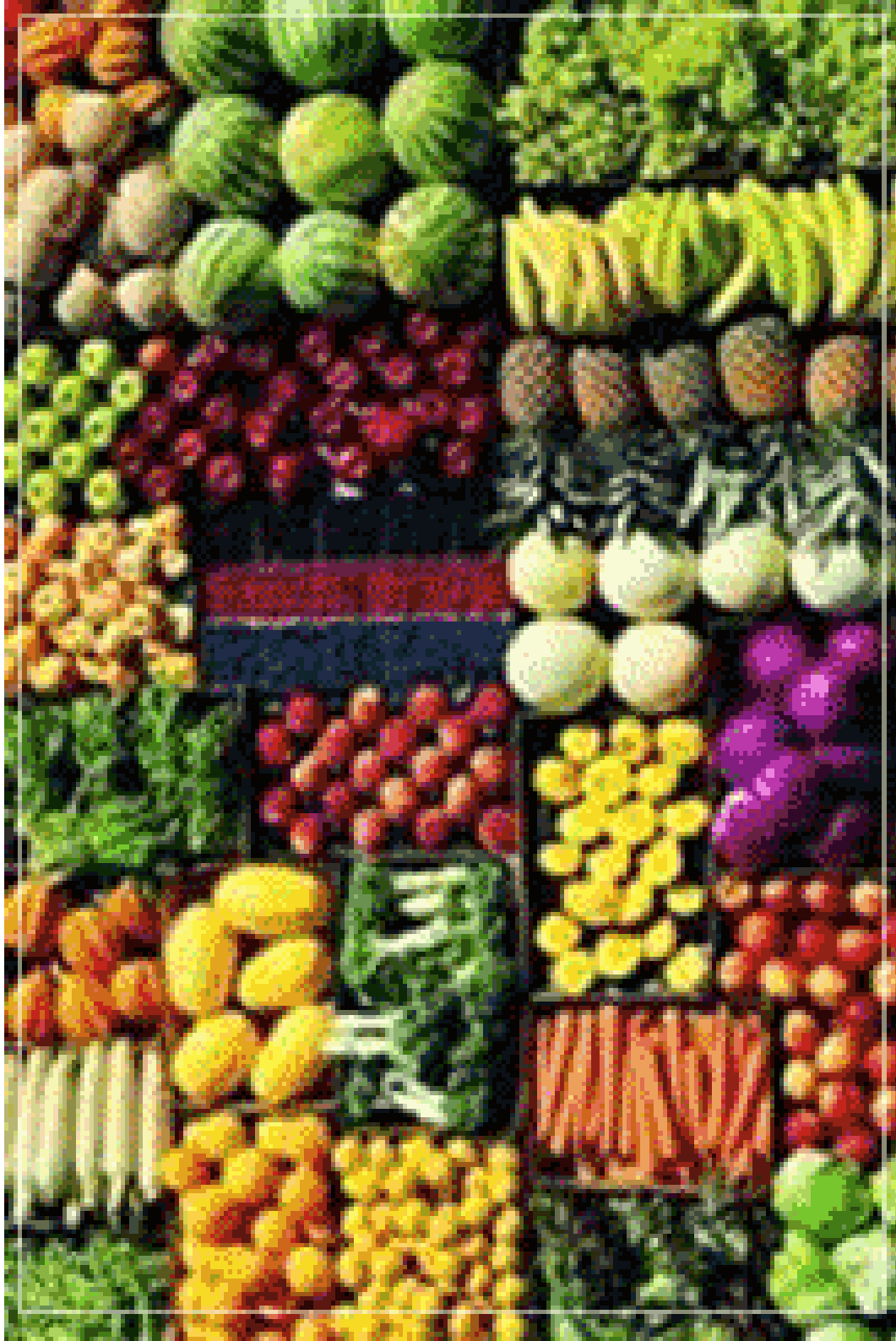
# Non-Profit Organizations

npo.gif











120° 119° 118° 117° 116° 115° 114°

42°--

41°--

40°--

39°--

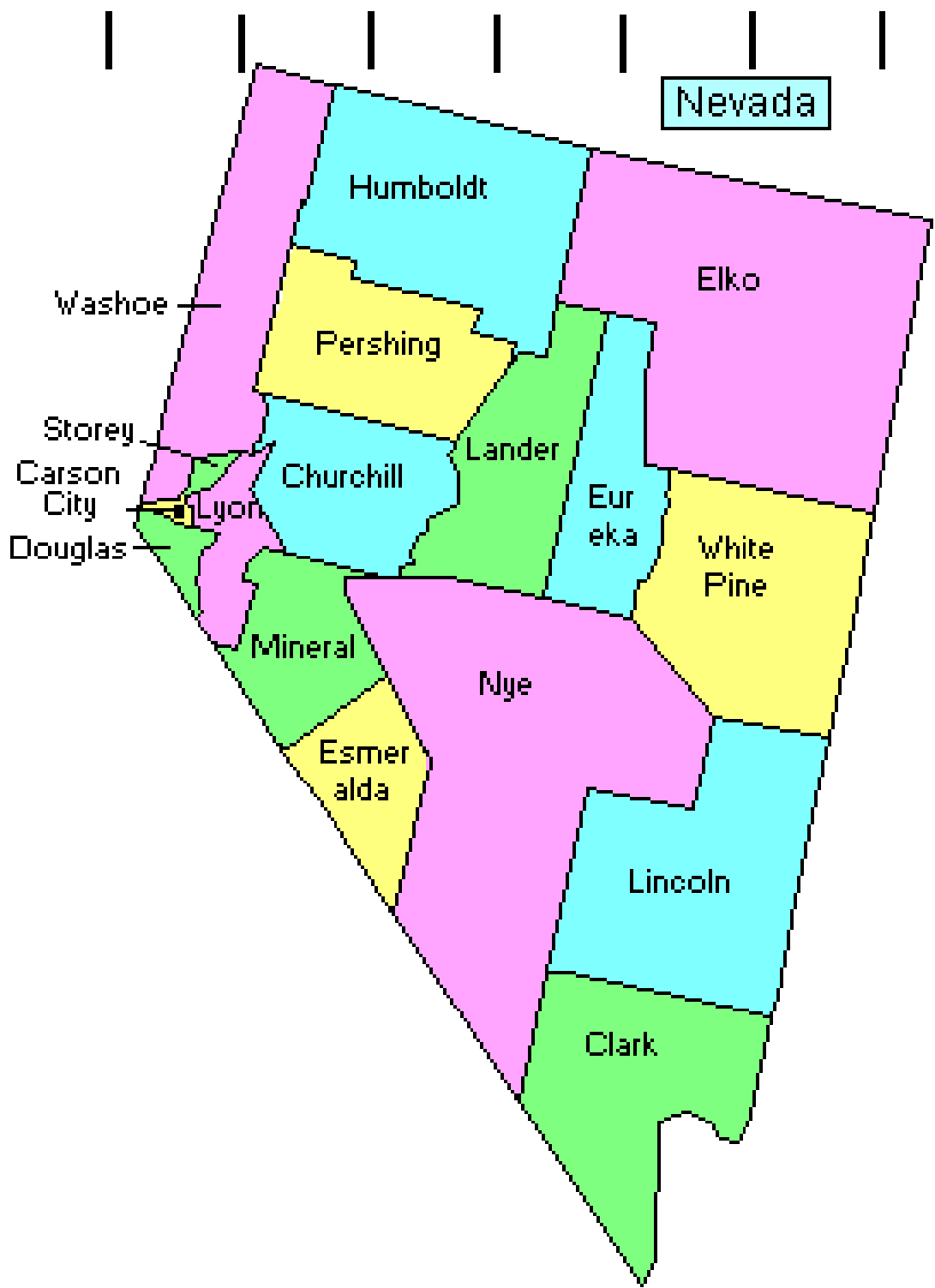
38°--

37°--

36°--

35°--

Nevada



79° 78° 77° 76° 75° 74° 73° 72°

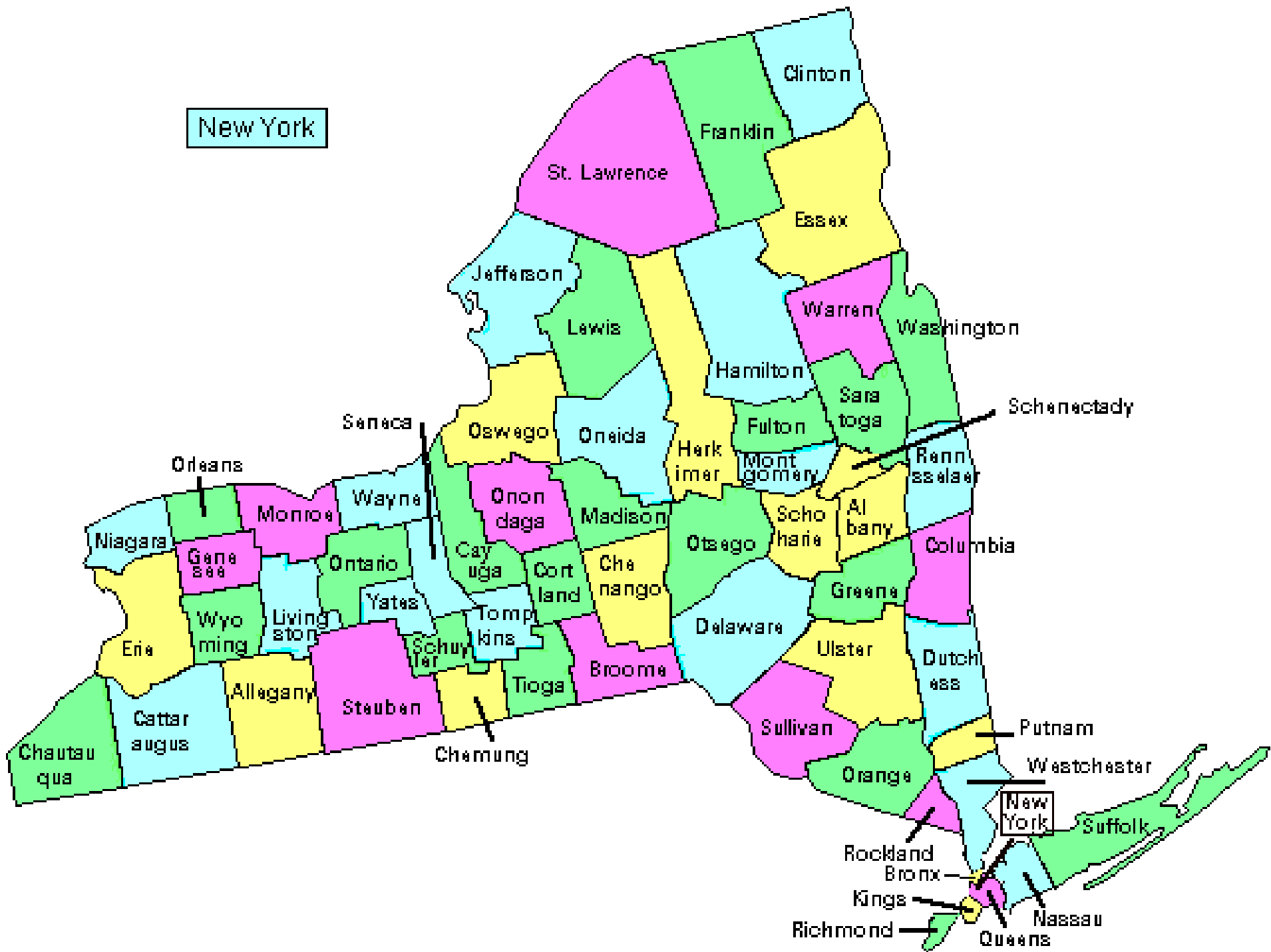
45°--

New York

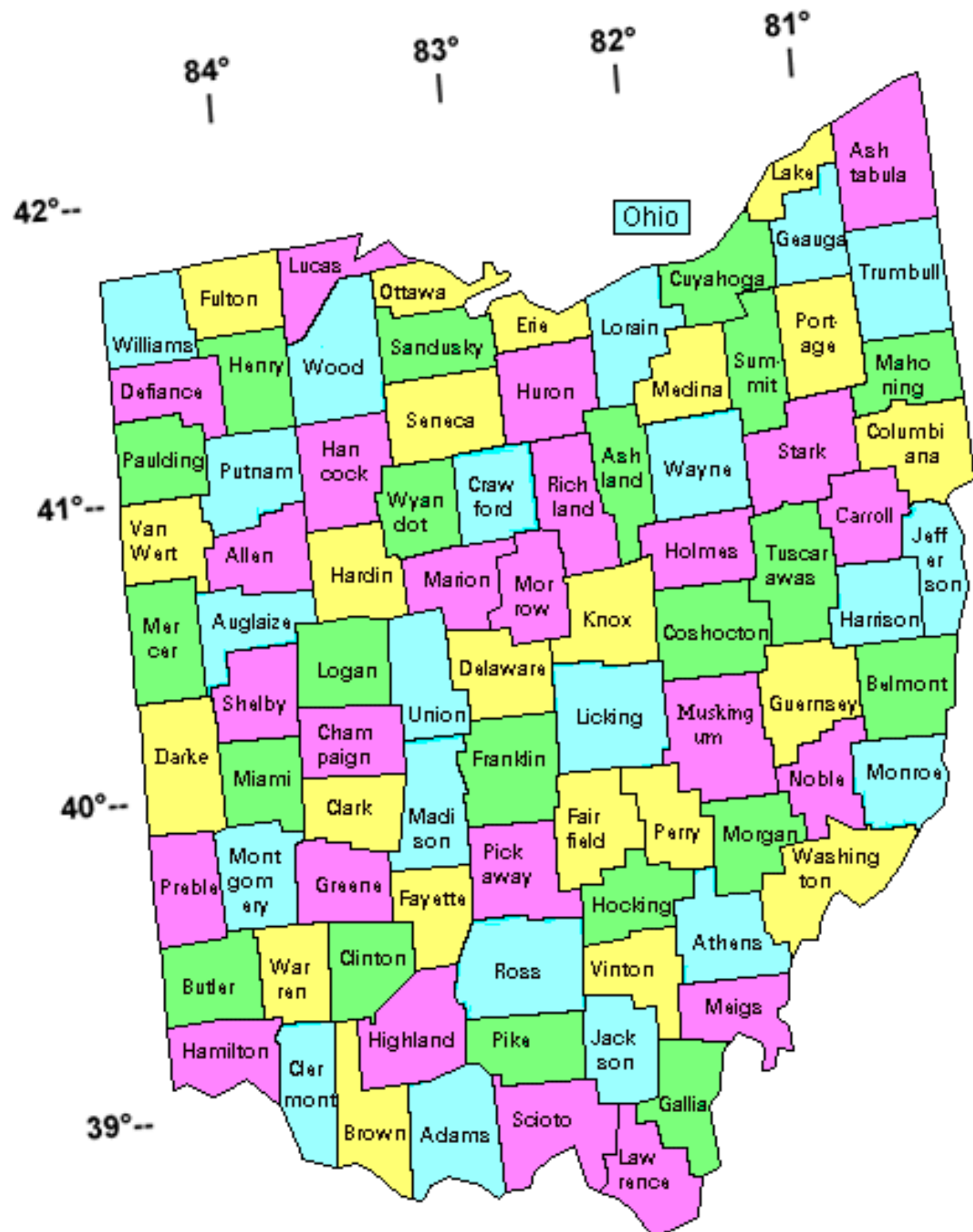
44°--

43°--

42°--



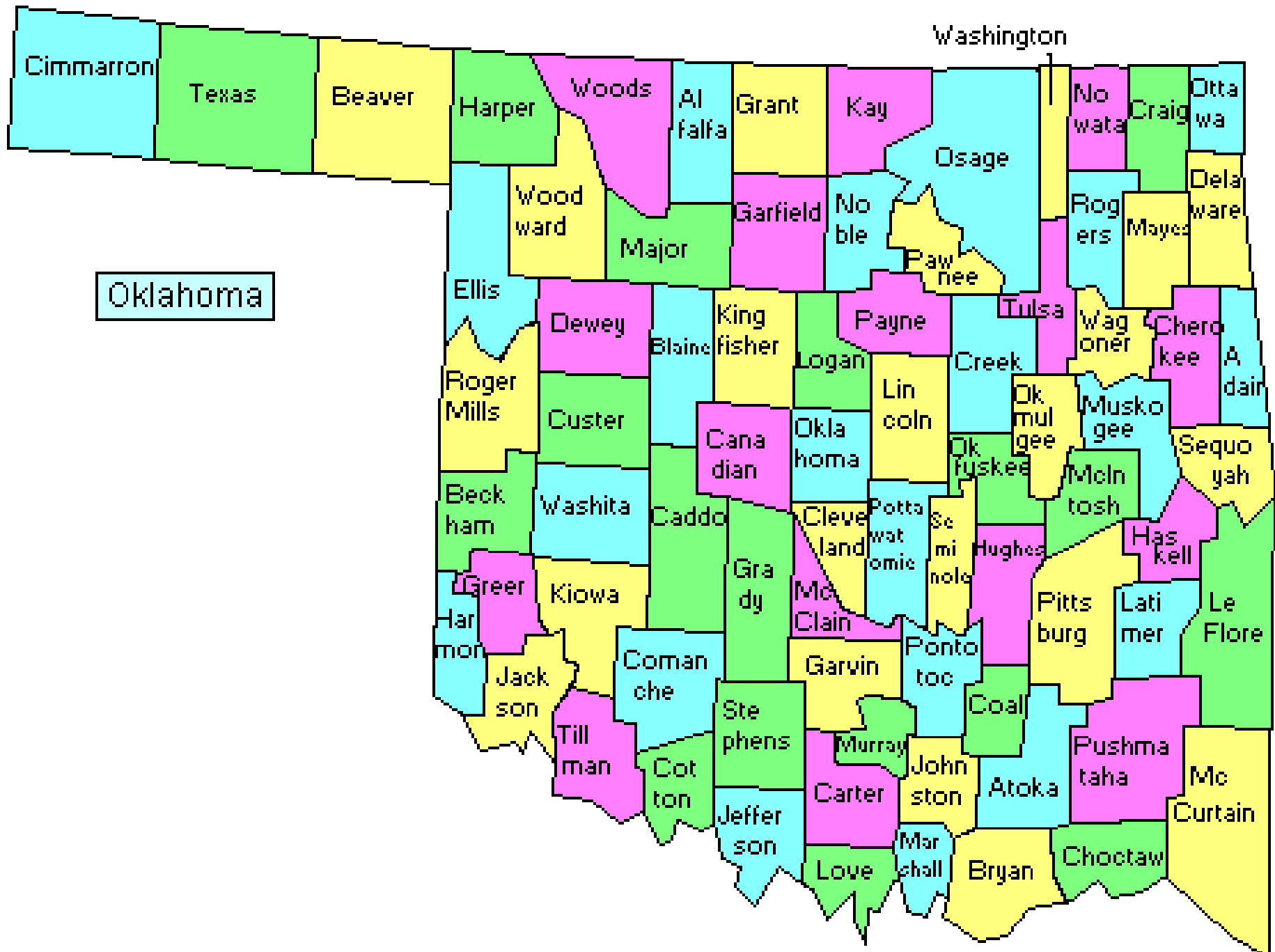
# Organic Gardening Clubs



103° 102° 101° 100° 99° 98° 97° 96° 95° 94°

37°--

Washington



Oklahoma

36°--

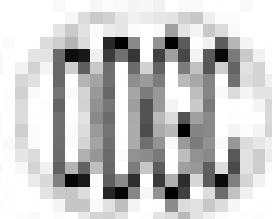
35°--

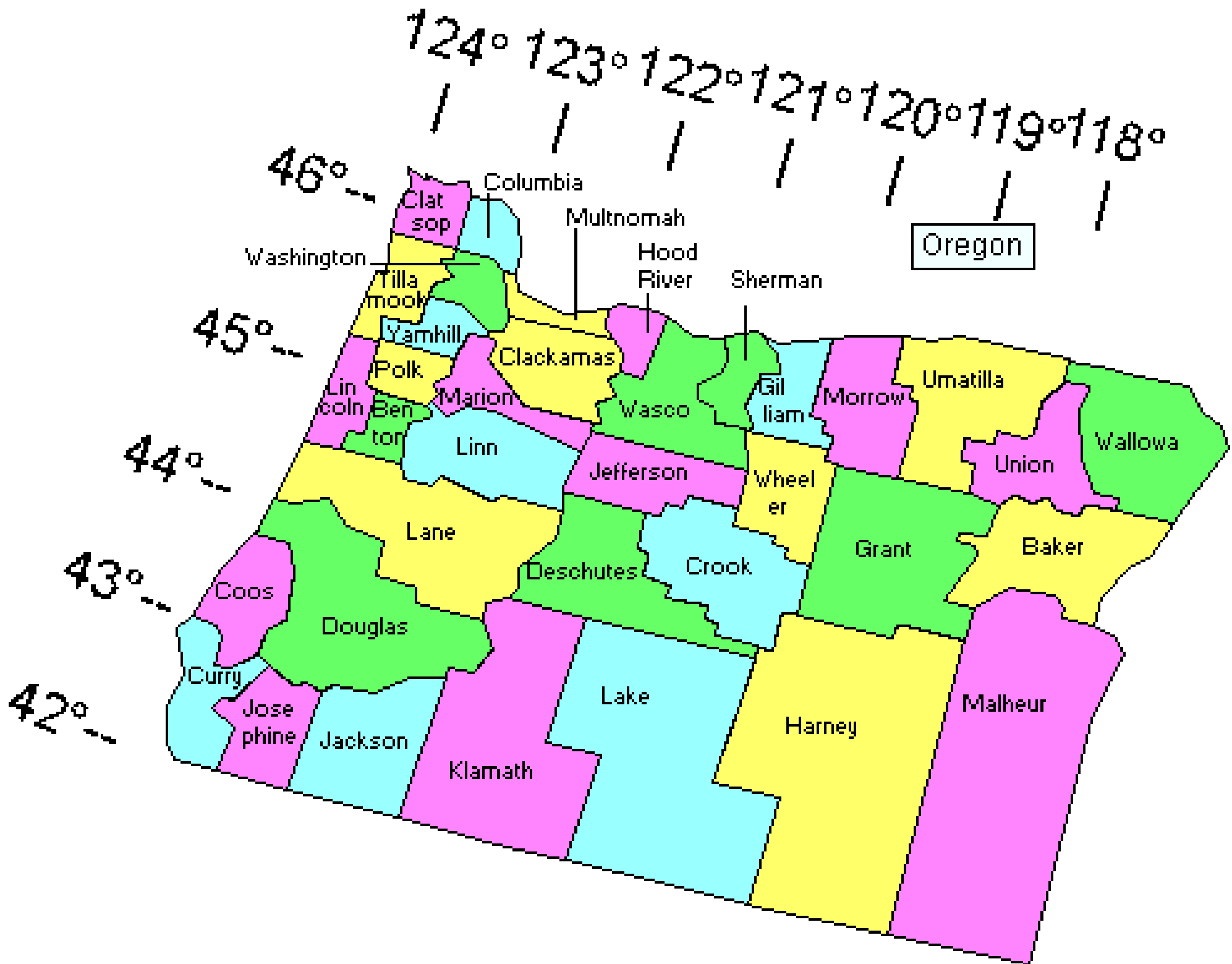
34°--

# ORGANIC PERSONAL CARE

opc.gif

# Organic Products & Services

 - Groundercrew Discount





# The Power of Nature at Work!

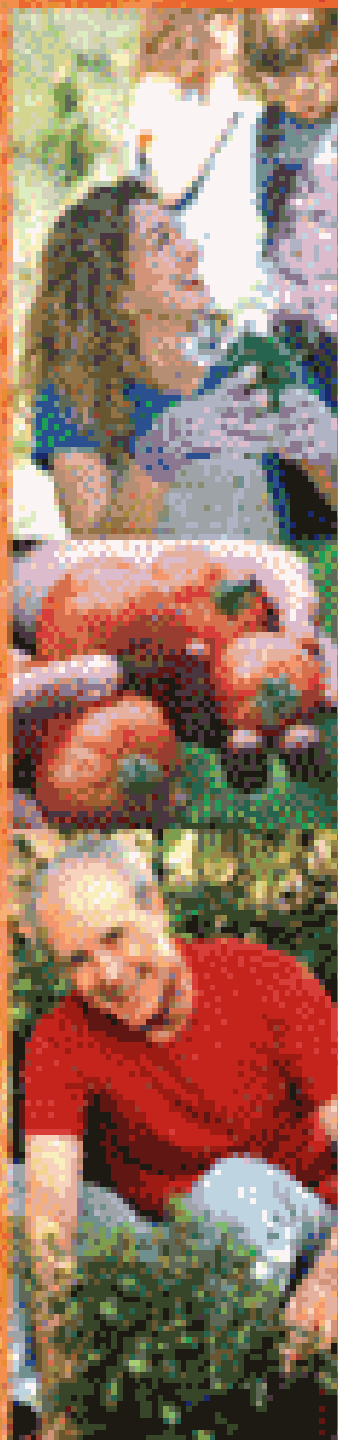
Organic Orange TKO  
a leader in organic cleansing  
found in the leading Garden Centers  
that care about your health and environment.



- Organic Orange TKO uses high grade d'limonene.
- Out performs chemical cleaners with no dangerous toxic effect to your health.
- Safe to use on plants as a plant wash and energizes to strengthen plants against disease and insect infestation.
- Use on fruit and vegetables to get rid of toxic chemical residue.
- REMOVES ANY STAIN, ANY ODOR

Biodegradable and environmentally friendly Orange TKO has no added chemicals and is safe to use as directed around people, plants and pets.

Organic Orange TKO has been Certified by OMRI for use in Organic Production.  
Orange TKO Industries (Int'l) Inc. 1-800-991-2463



# Organic Household Maintenance

[organichousehold.gif](http://organichousehold.gif)

# Organic Pecan & Fruit Tree Program

[organicpcan.gif](http://organicpcan.gif)



# THE OVERSTORY BOOK

CULTIVATING CONNECTIONS  
WITH TREES

CRAIG R. ELEVITCH AND KIM M. WILKINSON  
EDITORS

80°

79°

78°

77°

76°

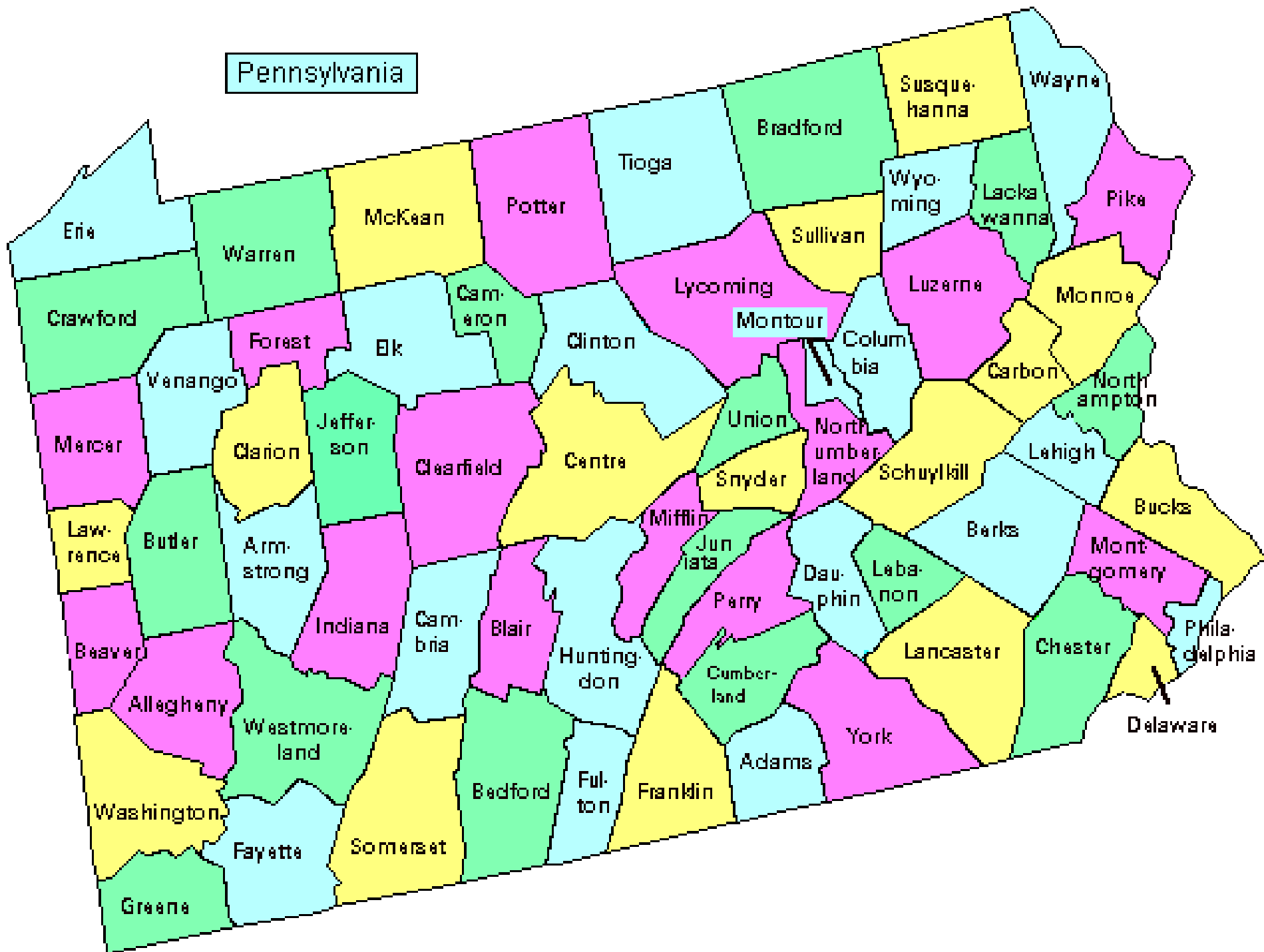
75°

Pennsylvania

42°--

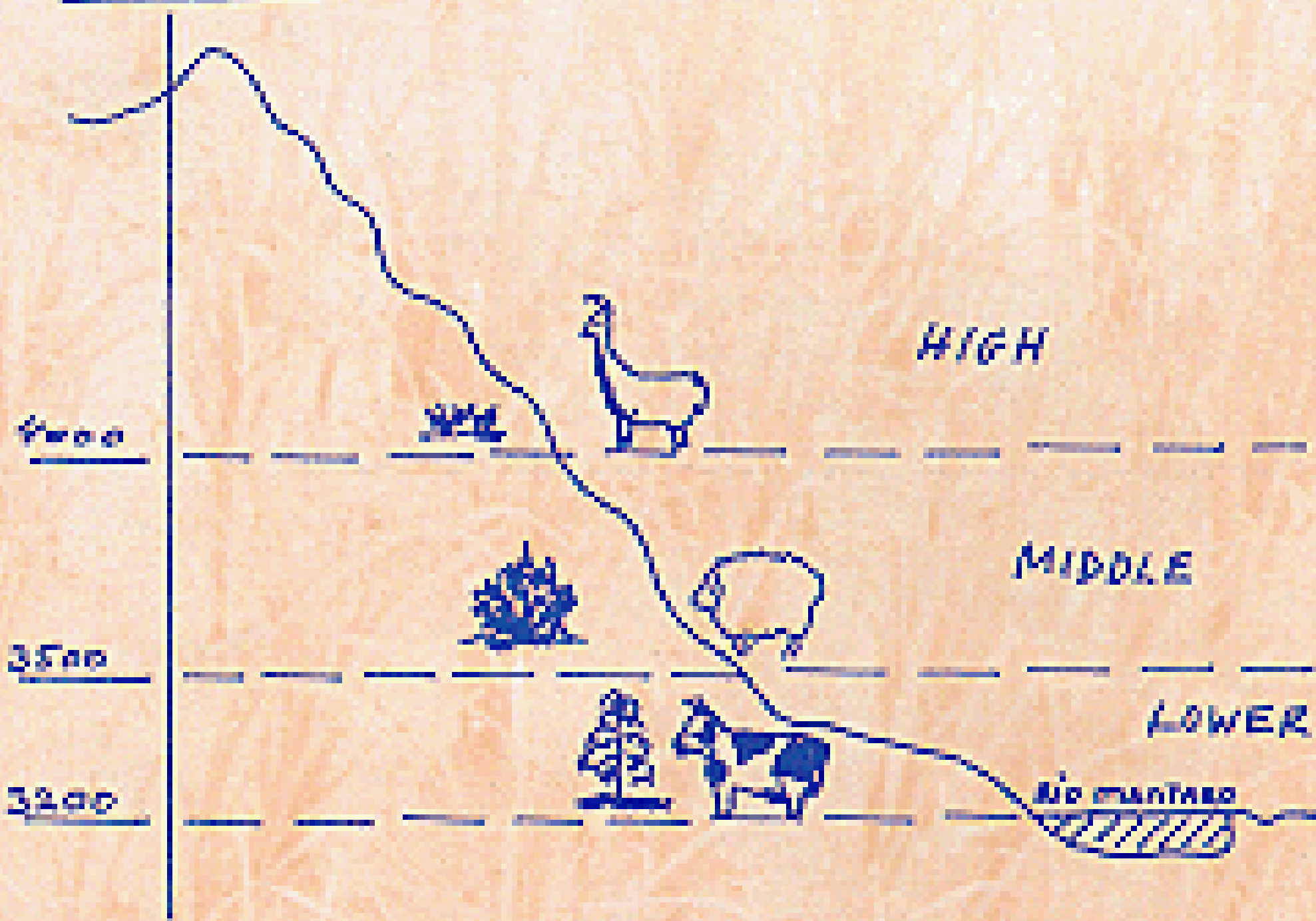
41°--

40°--



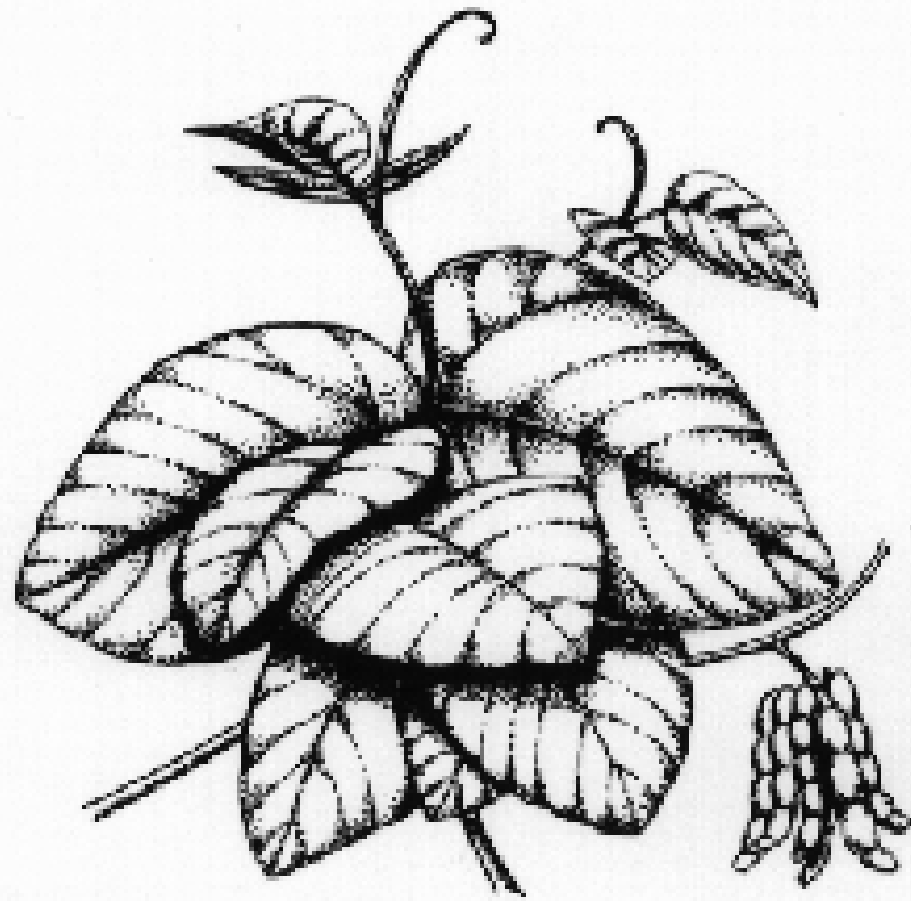


4000 m.









# QUICK CHECK REFERENCE CHART

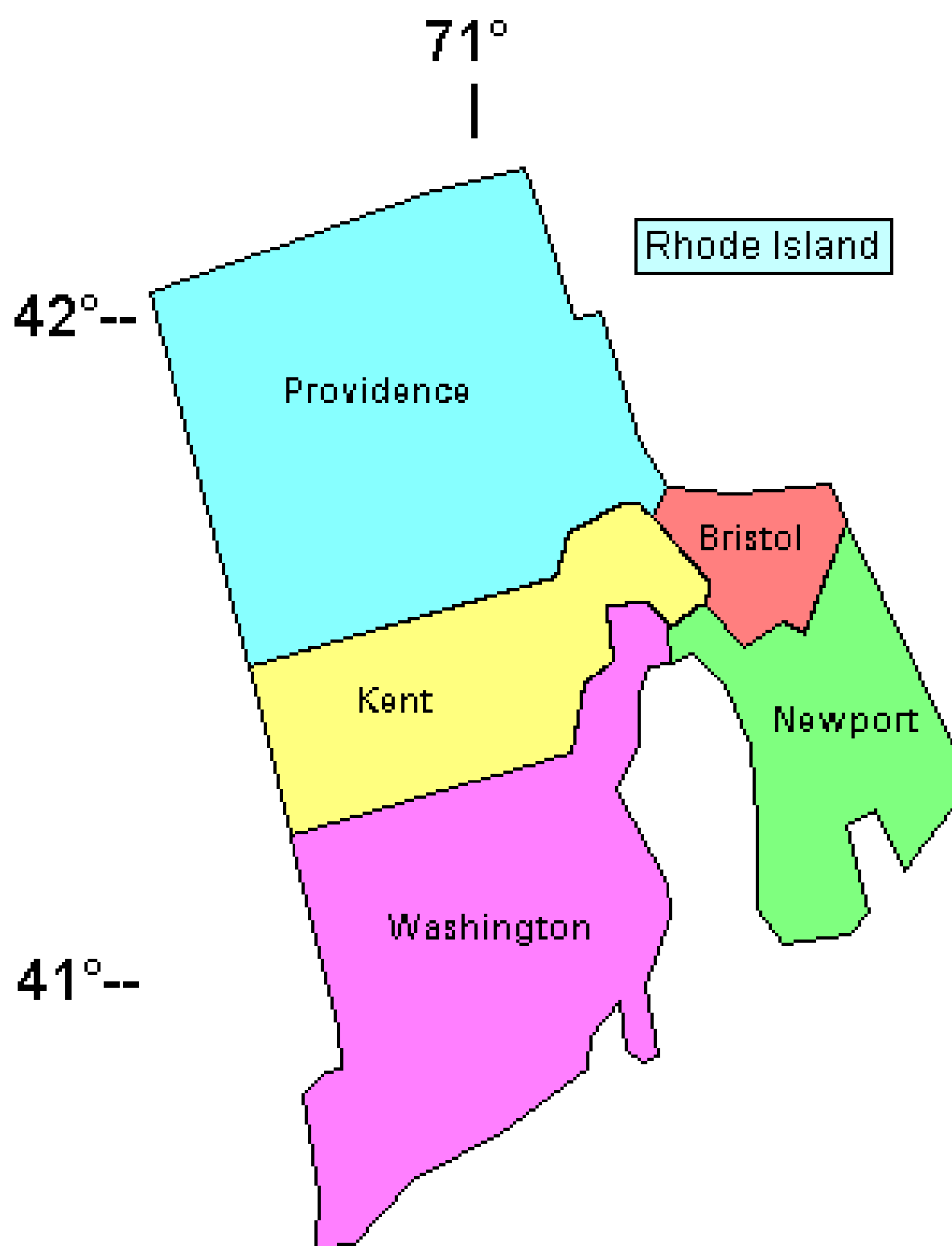
[quick.gif](#)

## DEAR READERS

We welcome your questions and comments about *The Dirt Doctor's Dirt*. Please feel free to submit testimonials, tips, or photos at any time. Please send to: [editor@dirtdoctor.com](mailto:editor@dirtdoctor.com).

Thanks!

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# What happens to organic waste in Nairobi ?

**Problem**

Most organic waste is a profitable by-product in Nairobi. It can be used to generate additional income for the poor if it is collected and disposed. The development of better waste collection systems is required to ensure that 1% of the population can benefit from the waste.

**Partnership**

With the support of funding from the World Bank, the Kenya Agricultural Research and Development (KARDC) is working with the Kenya National Bureau of Statistics (KNBS) to develop a system for organic waste management in Nairobi. This system will be based on the principles of the Integrated Waste Management (IWM) approach. The IWM approach is a holistic approach to waste management that takes into account the social, economic, and environmental aspects of waste management. It is a system that is designed to be sustainable and to be managed in a way that is consistent with the principles of the IWM approach.

## Project: Management of solid organic waste and livestock manure for improved agricultural productivity and income levels in the urban and peri-urban Nairobi

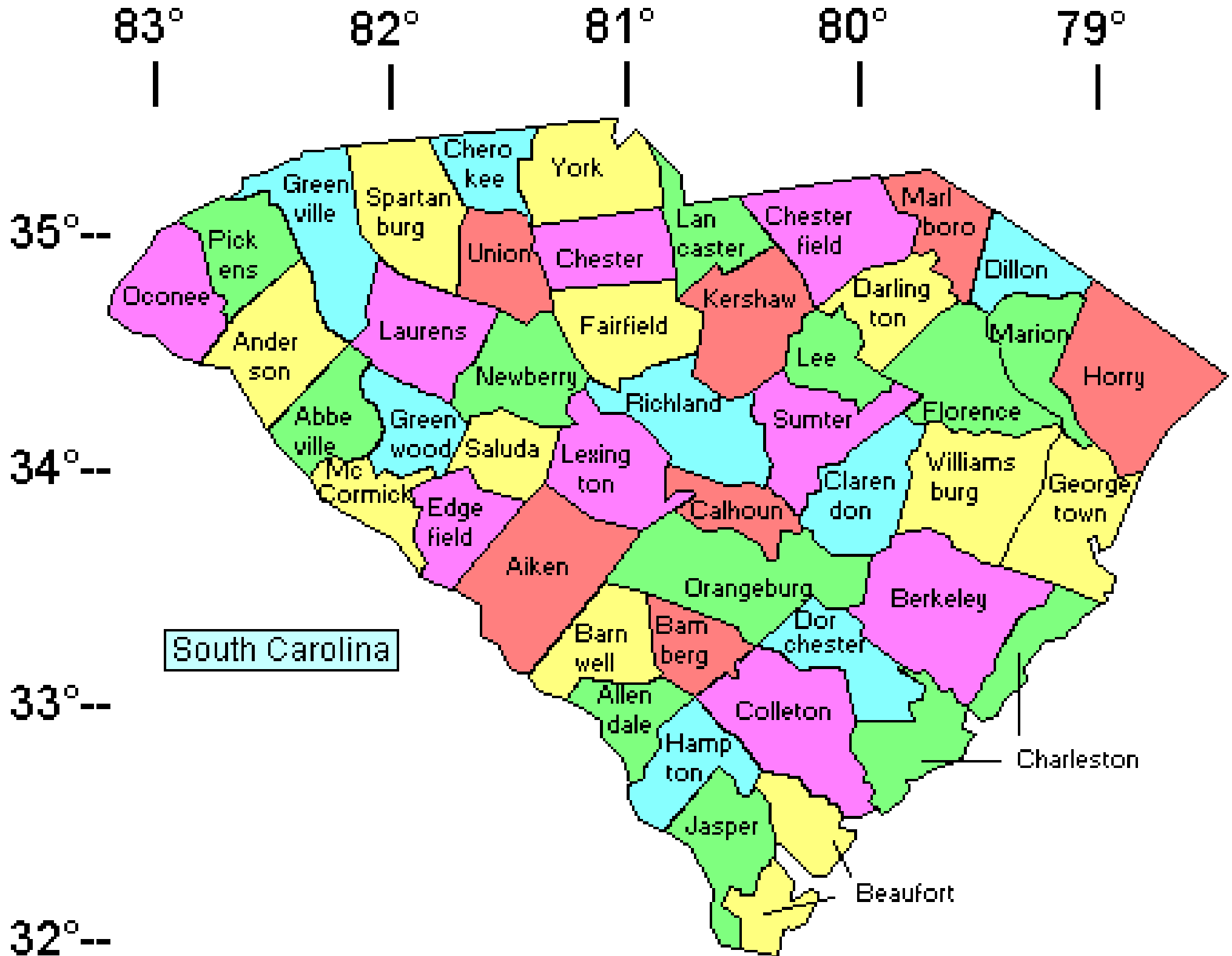


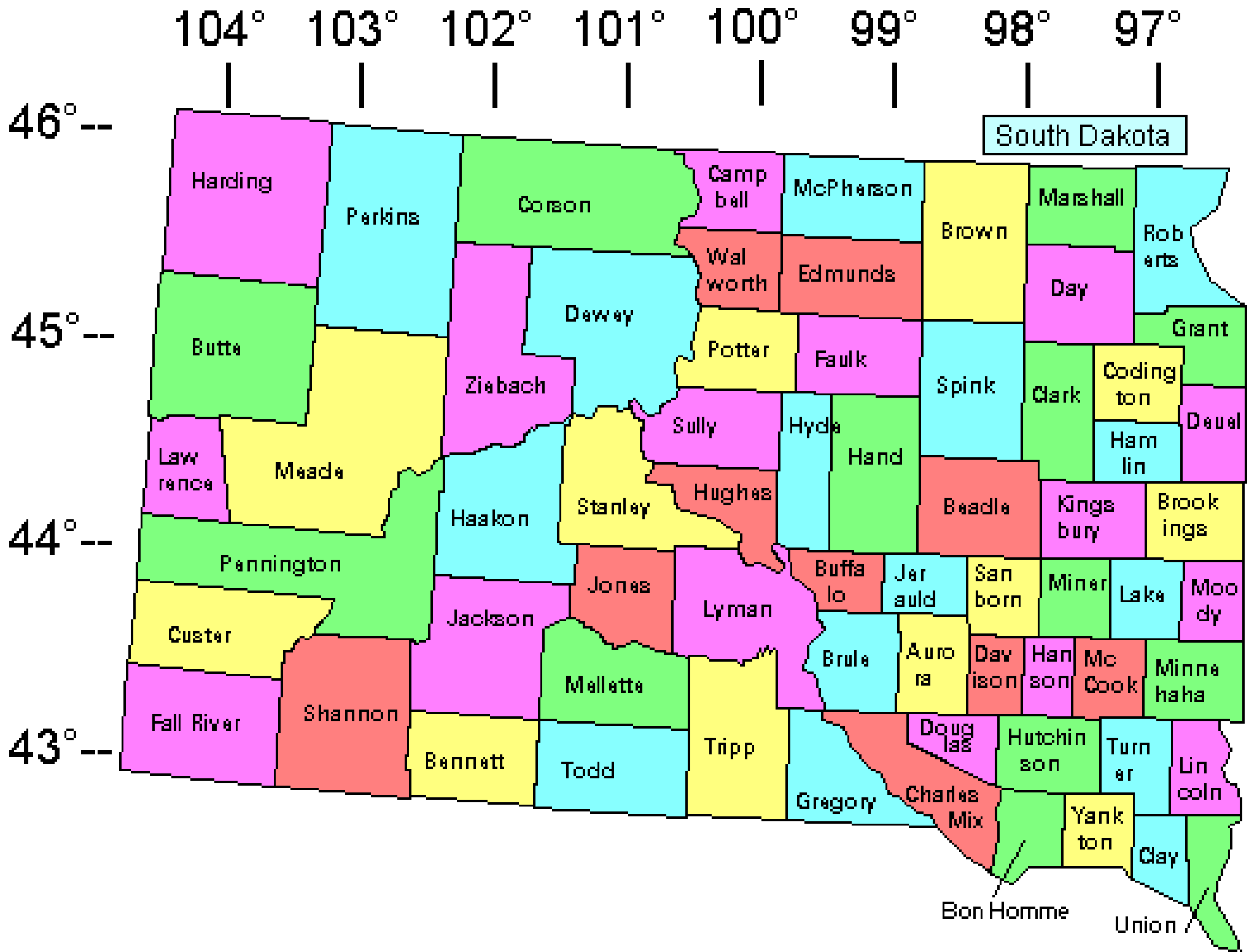
Kenya: Nairobi  
 Urban: SL  
 (Urban) SL  
 SL-1, SL-2, SL-3  
 SL-4, SL-5, SL-6  
 SL-7, SL-8  
 SL-9

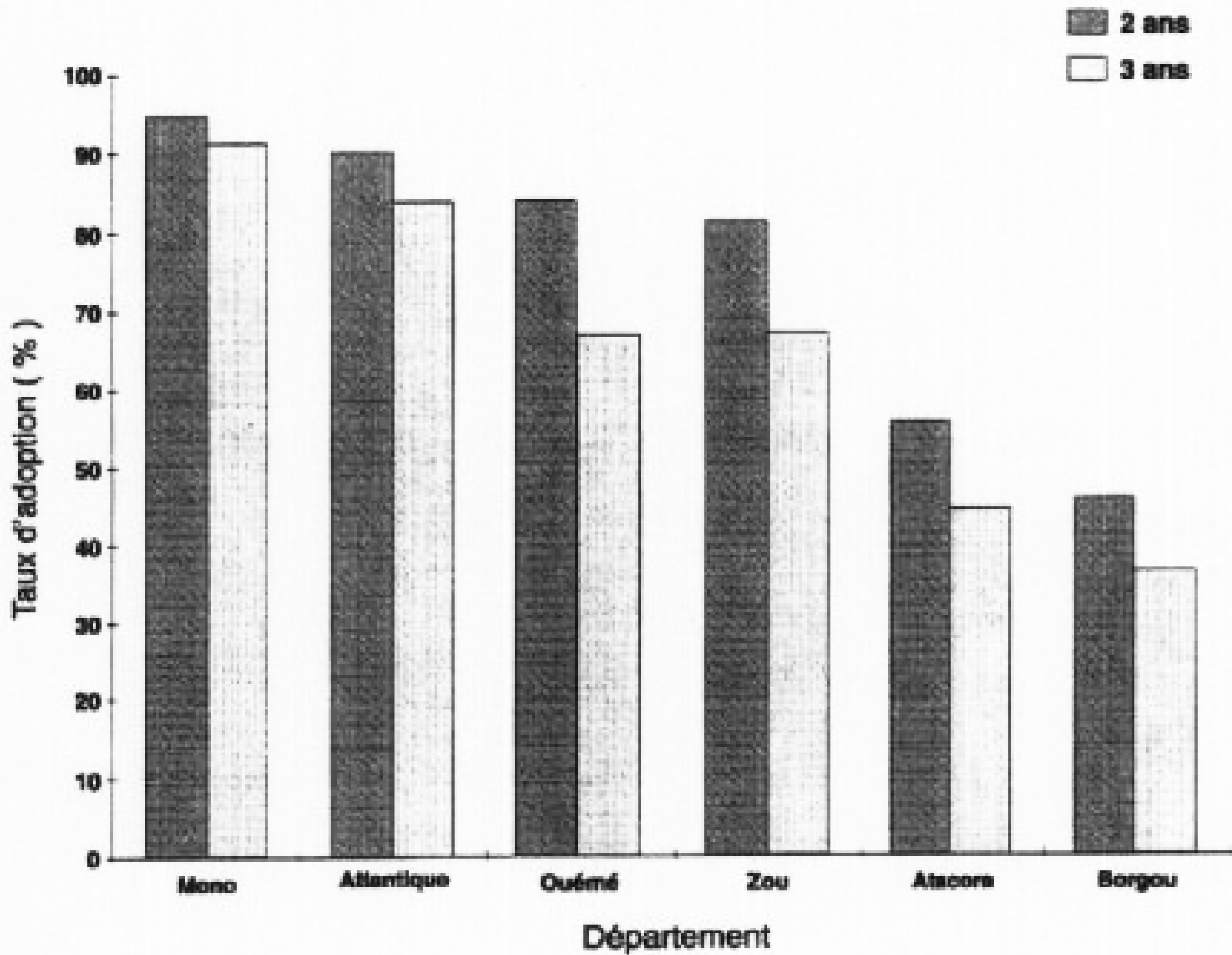
**Objectives**

- improve the quality and quantity of organic waste management
- provide employment for the poor population
- improve income levels for the poor population
- improve the environment
- improve the health of the population

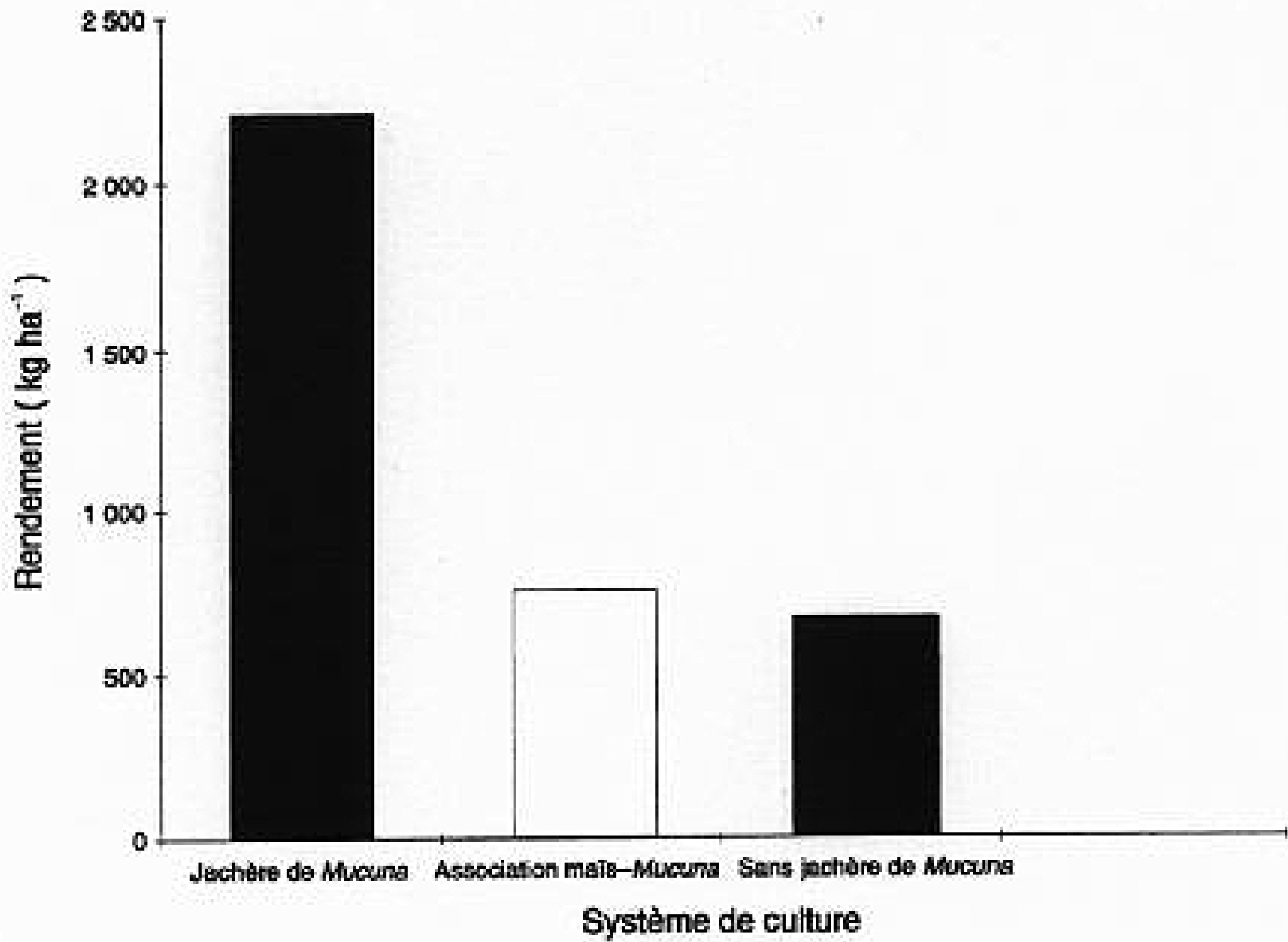


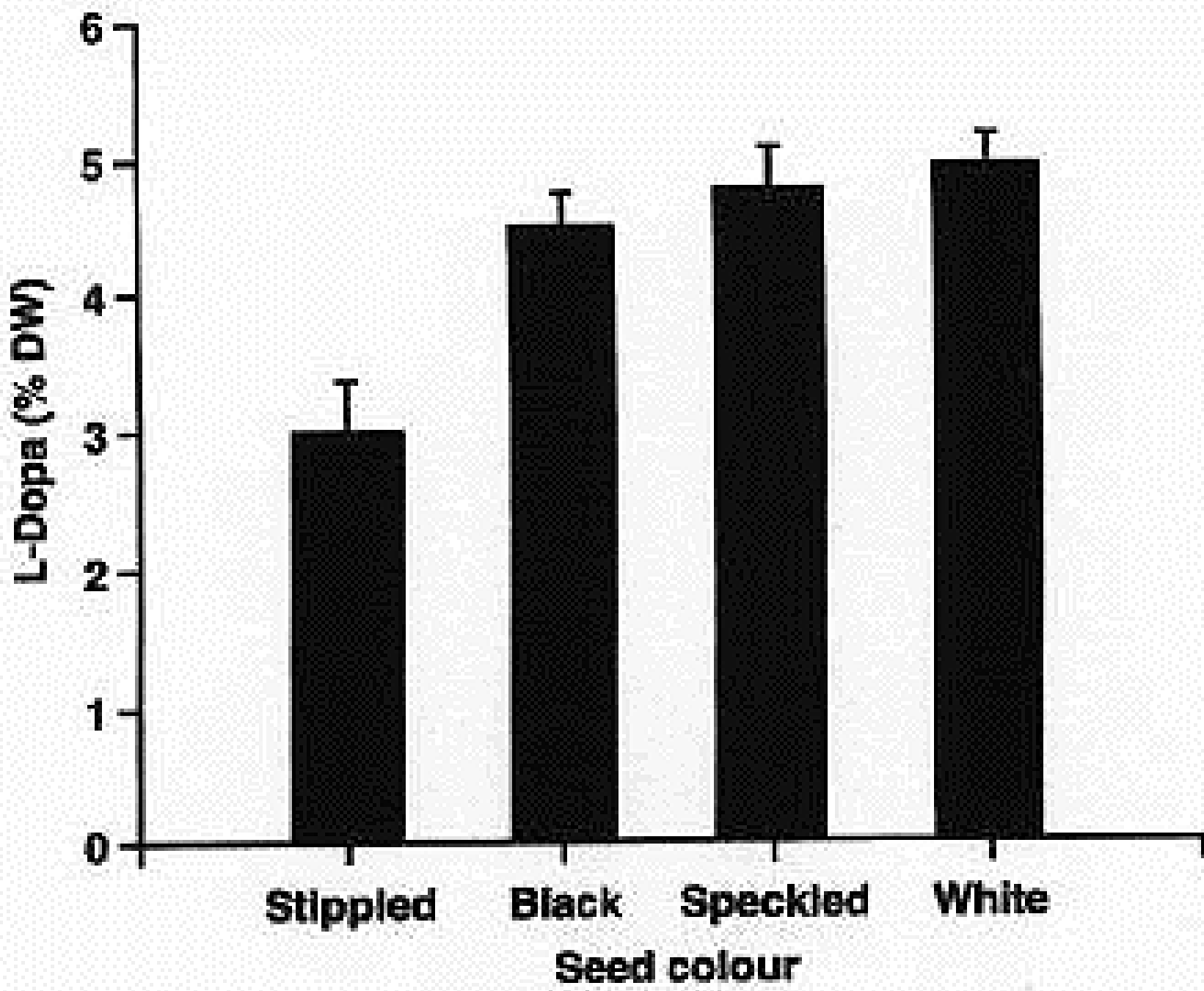


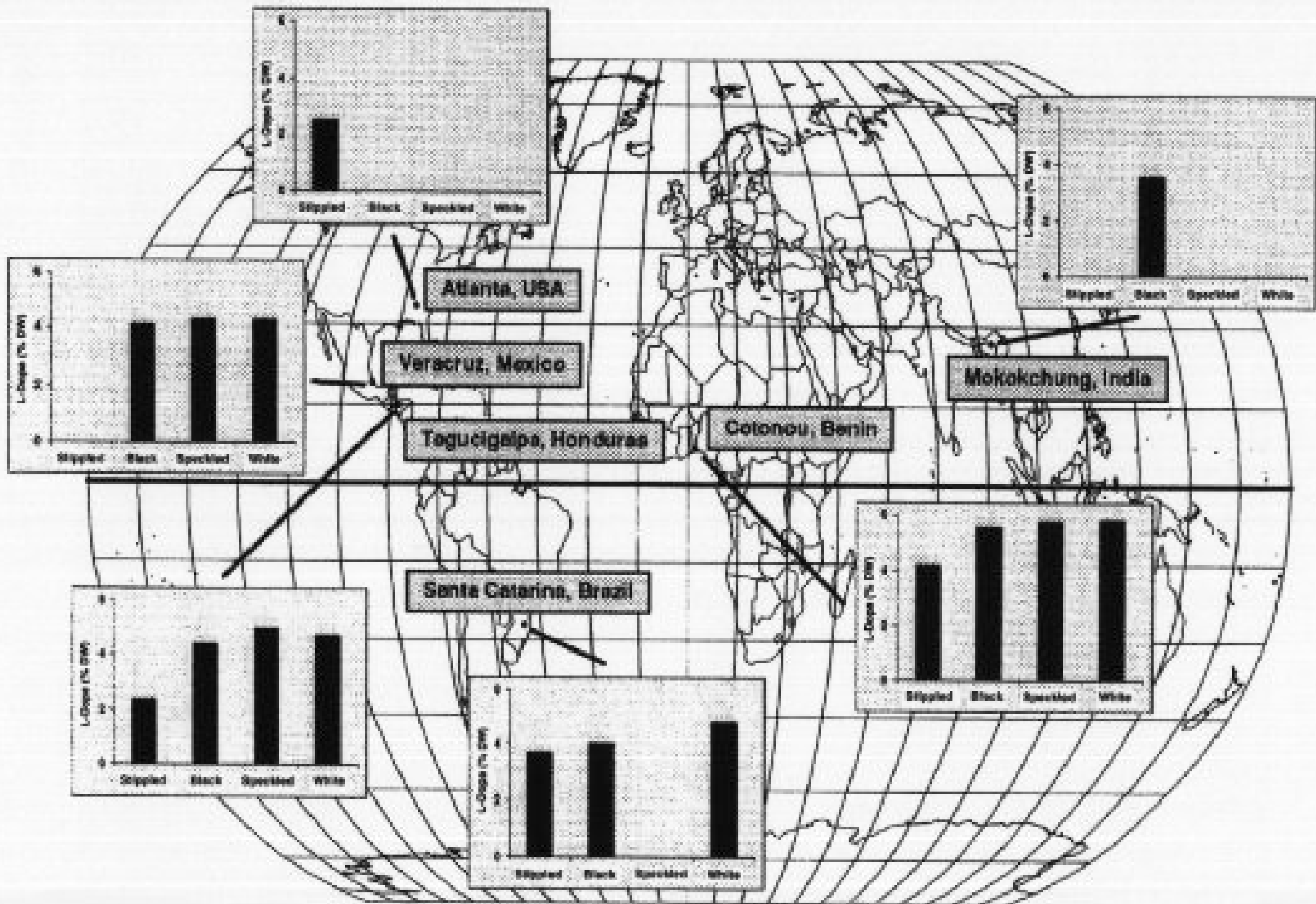




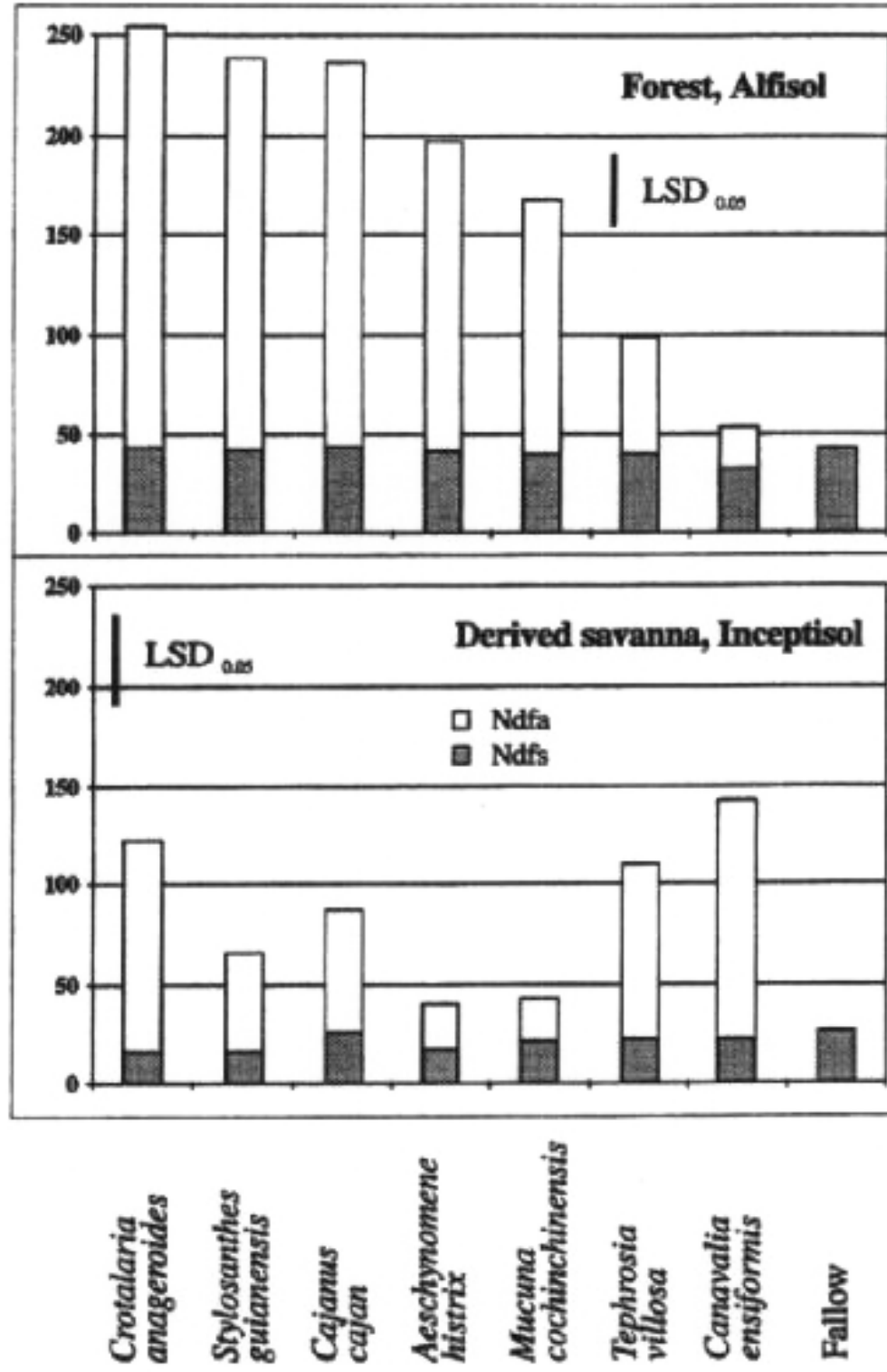




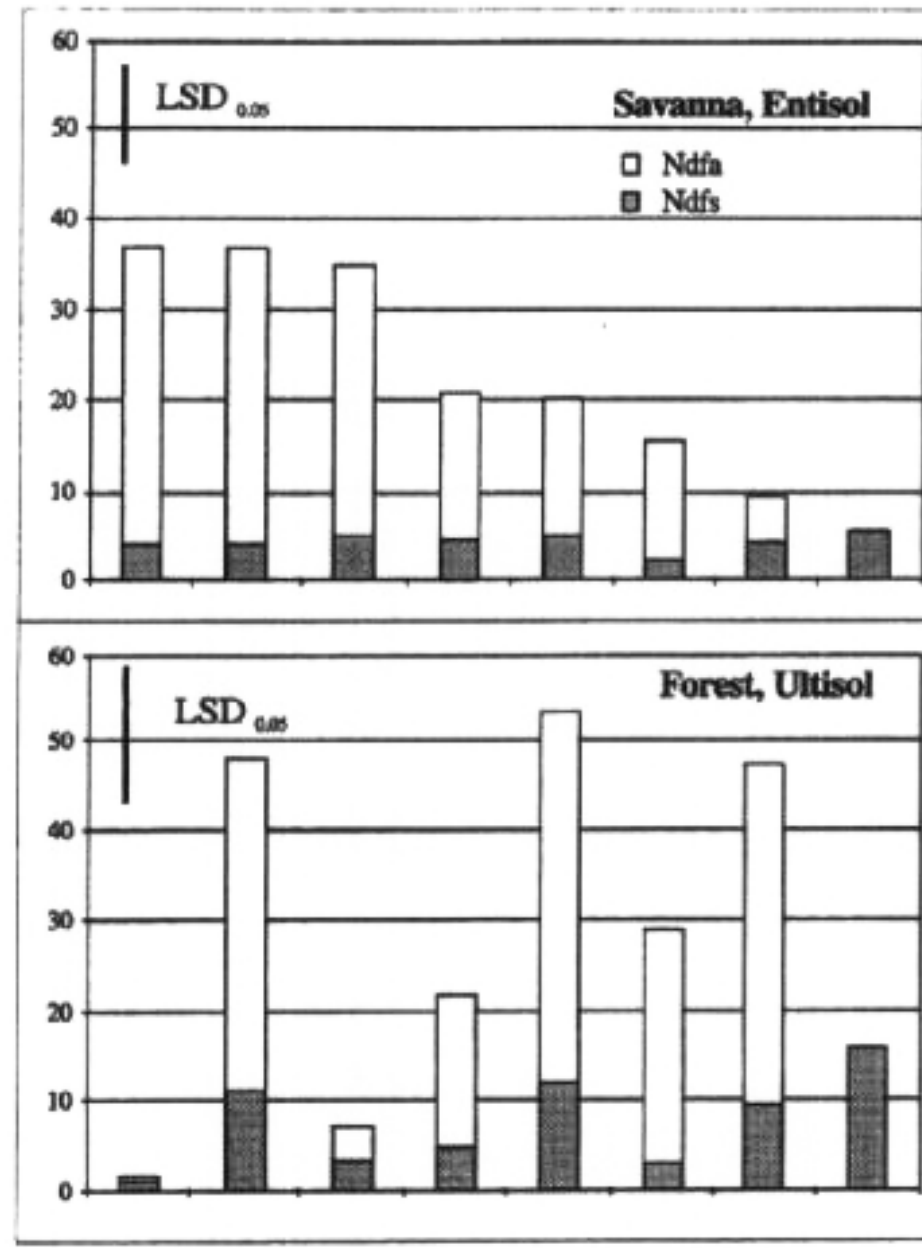




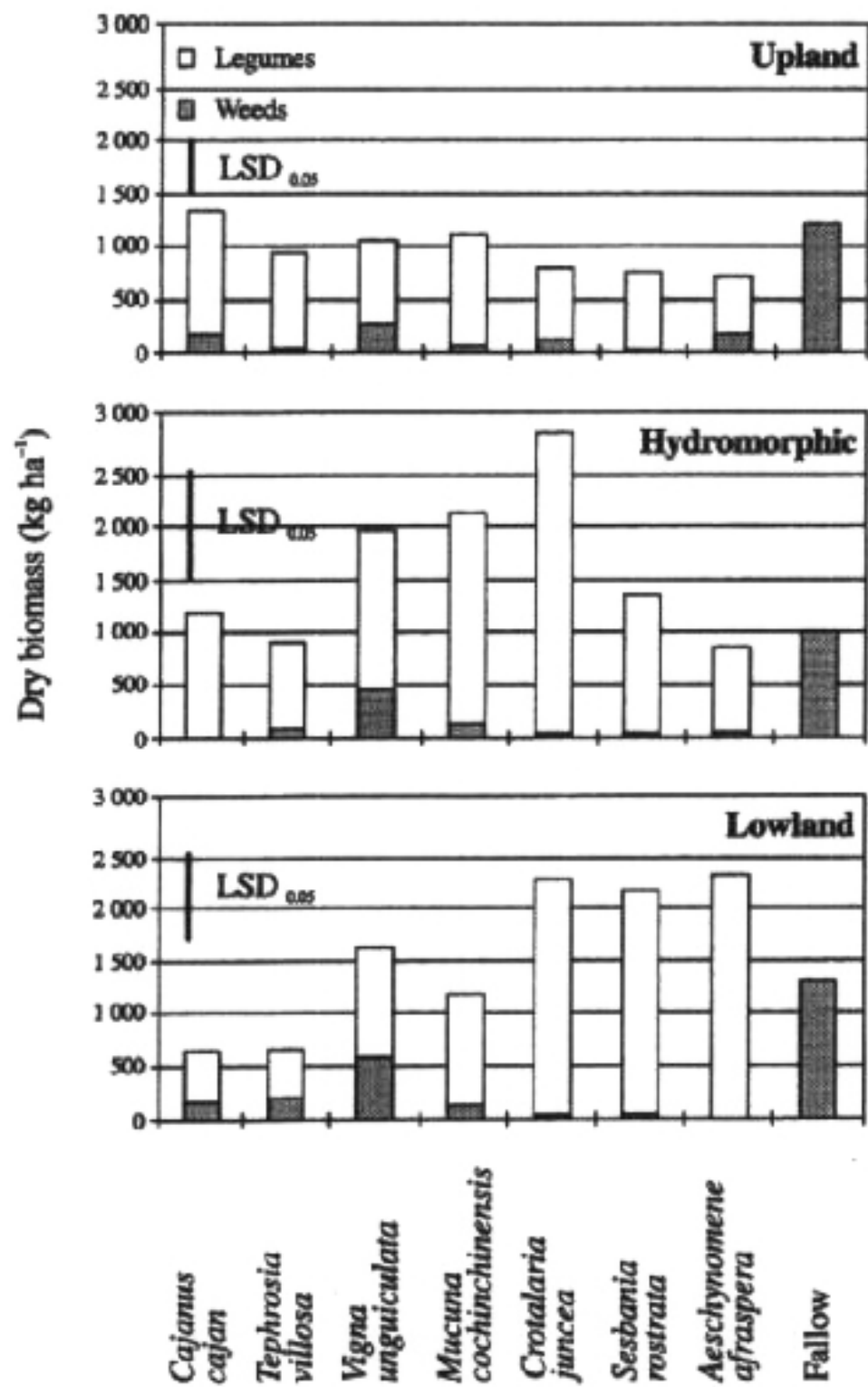
N accumulation (kg ha<sup>-1</sup>)

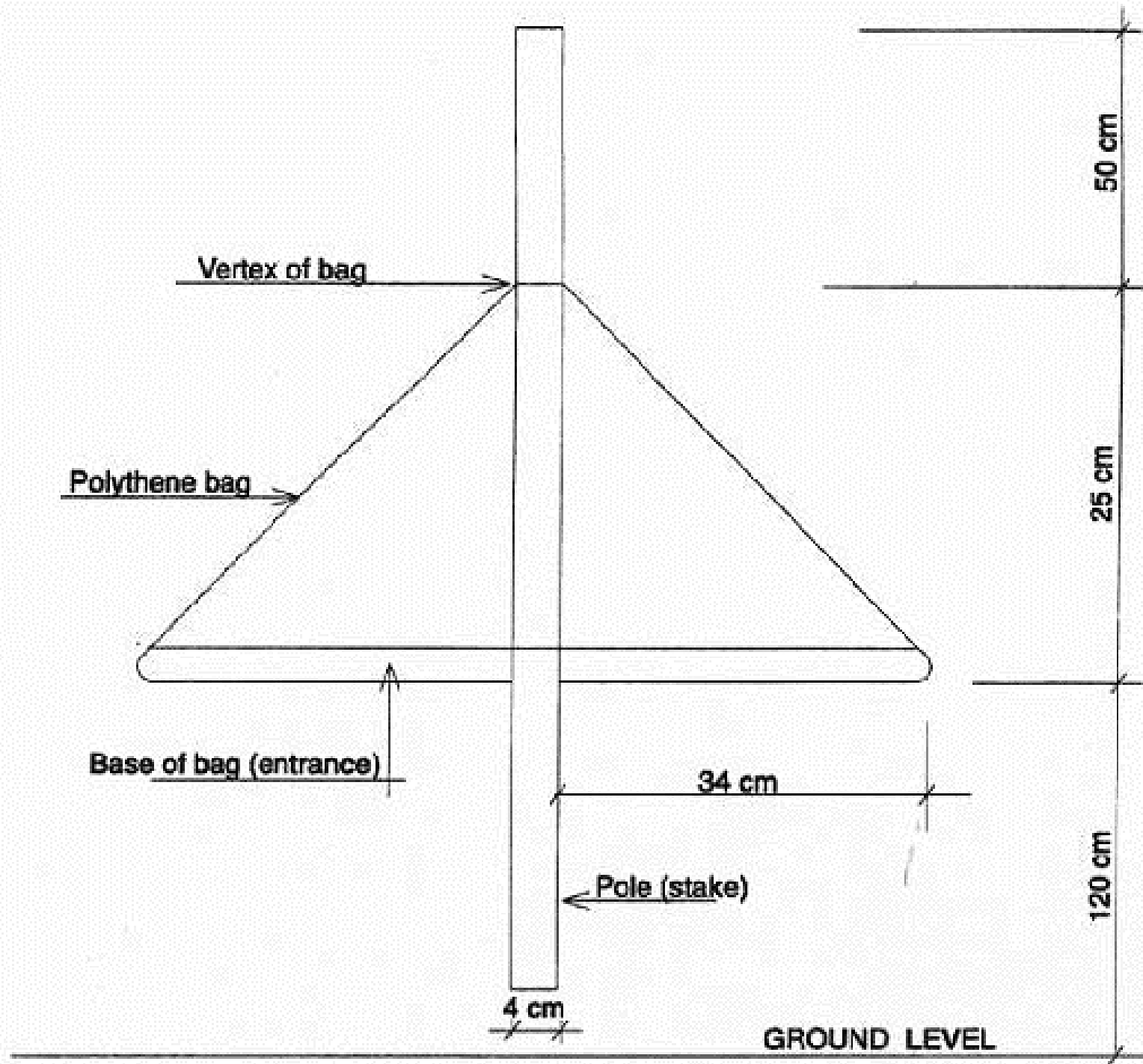


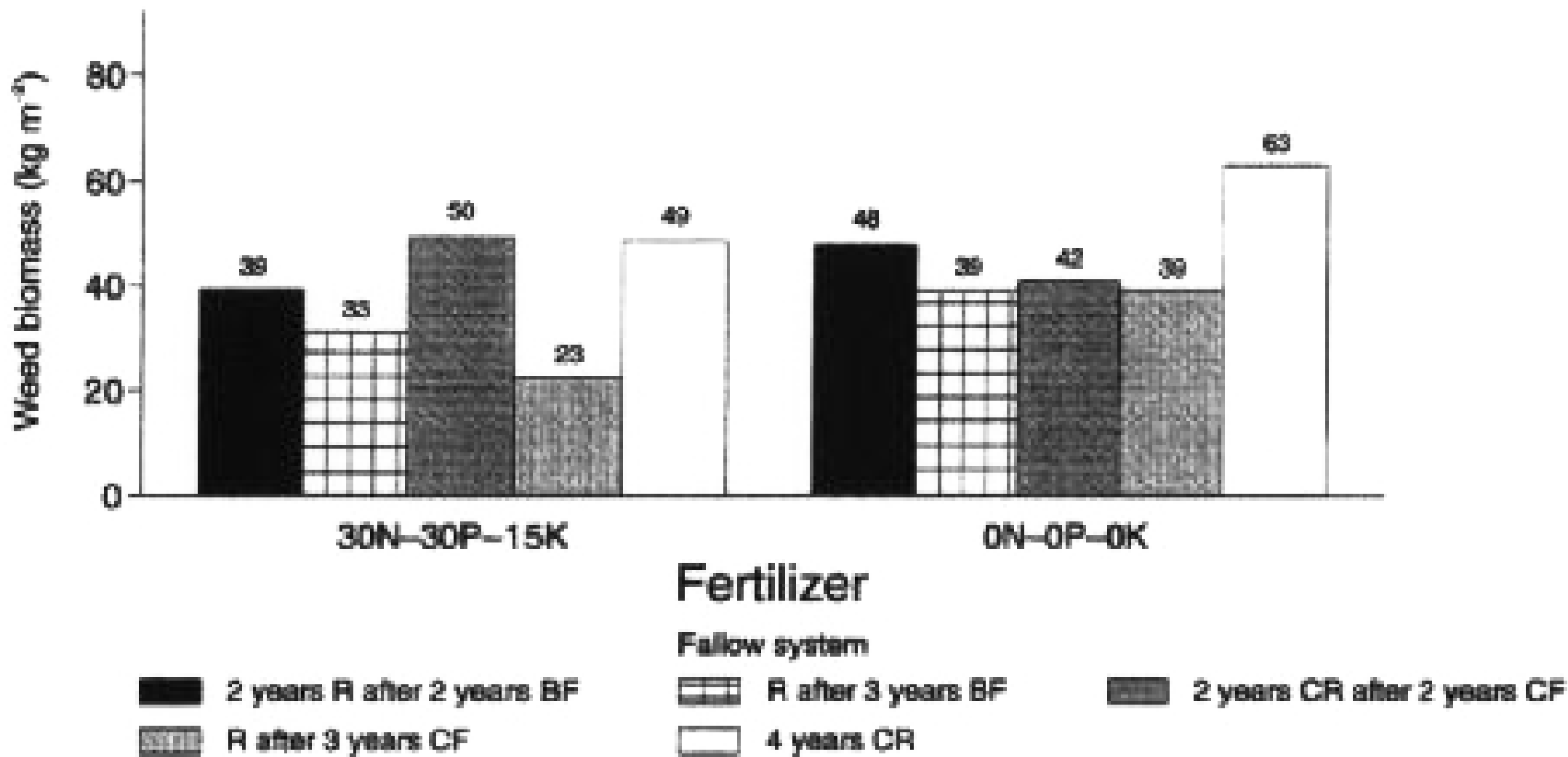
N accumulation (kg ha<sup>-1</sup>)



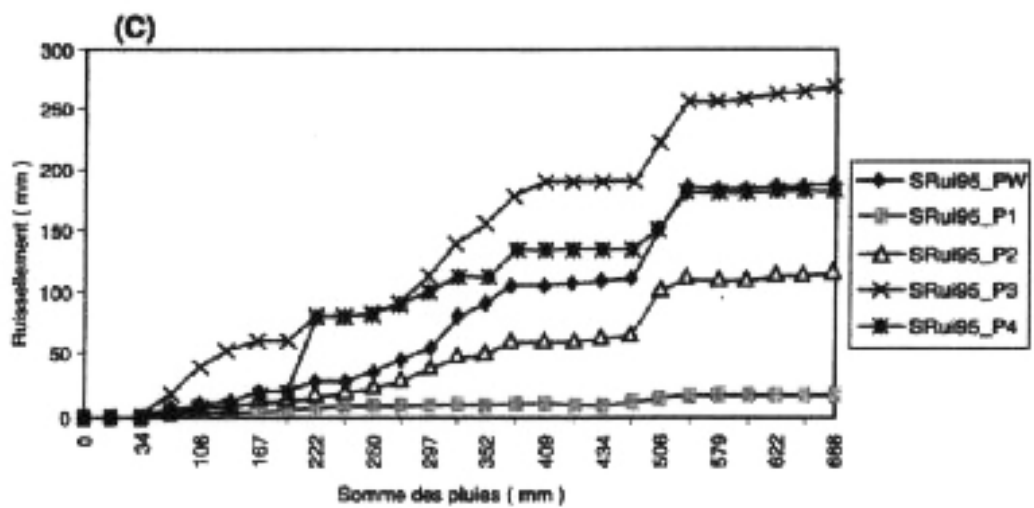
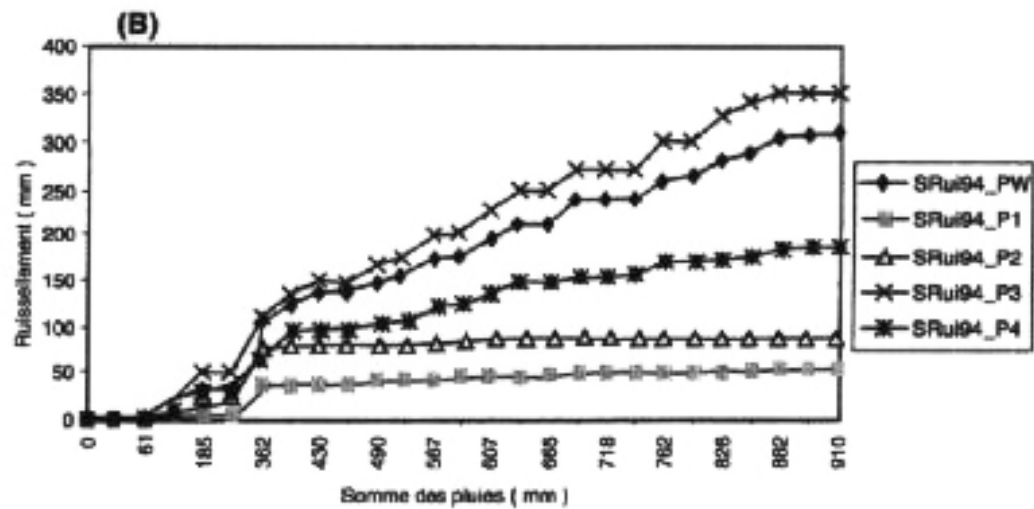
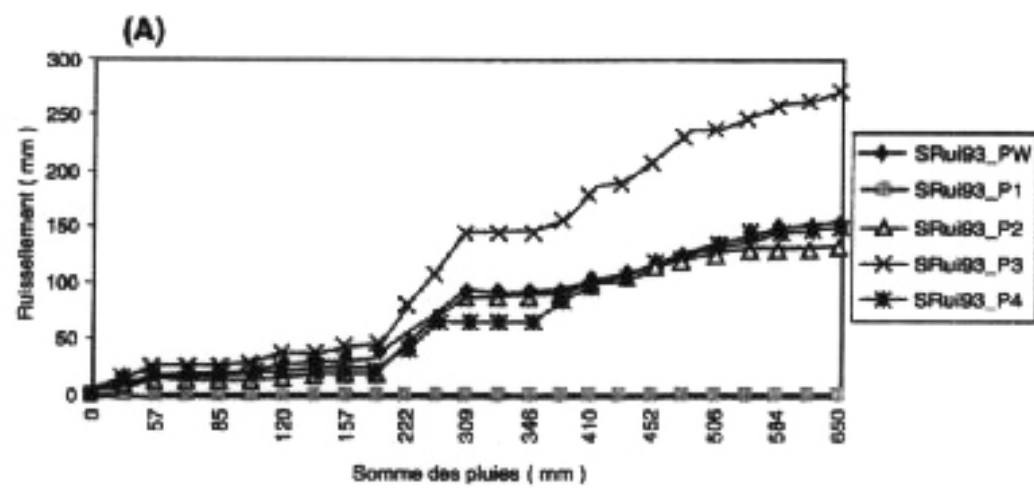
*Cajanus cajan*  
*Canavalia ensiformis*  
*Crotalaria juncea*  
*Tephrosia villosa*  
*Mucuna cochinchinensis*  
*Stylosanthes guianensis*  
*Aeschynomene histrix*  
Fallow

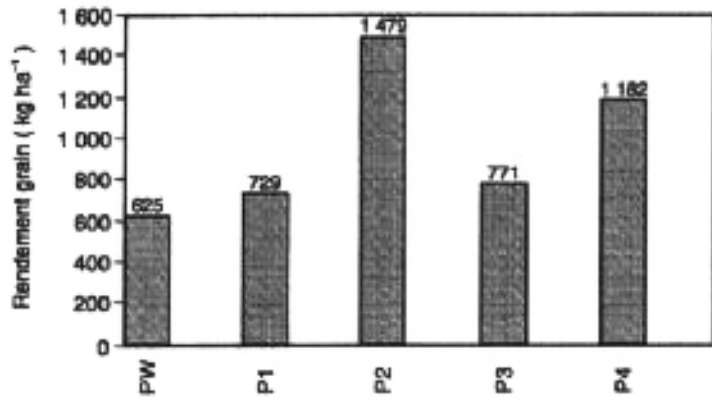
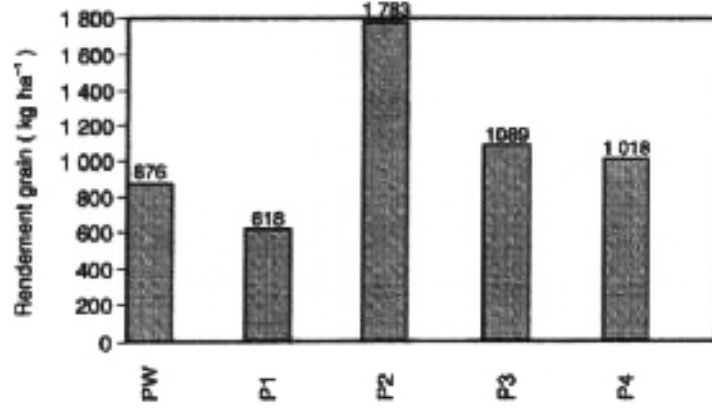
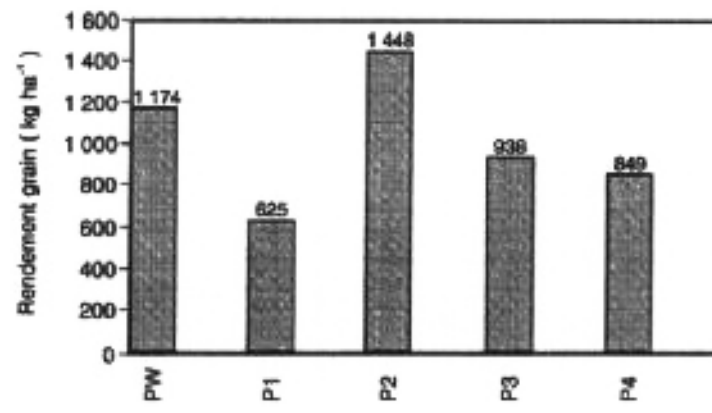












# THE DIRT DOCTOR'S SHOW MUSIC

[show.gif](#)

Spencer Platt

signature.gif

**F**  
**r**  
**e**  
**s**  
**h**  
**e**  
**r**  
**a**  
**n**  
**d**  
**C**  
**h**  
**e**  
**a**  
**p**  
**e**  
**r**

Our bulk materials  
are:

★ **Compost**

★ **Cedar  
Mulch**

★ **Lava Sand  
Mix**

★ **Premium  
Soil Mix**

★ **Native Tree  
Mulch**

For more product information,  
visit our website:

[www.silvercreekmaterials.com](http://www.silvercreekmaterials.com)

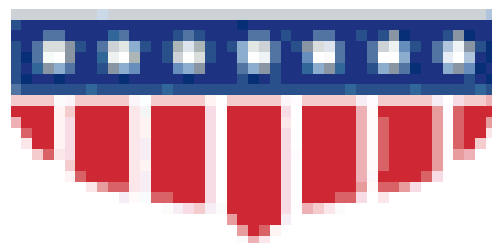
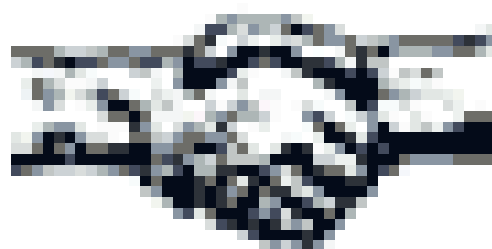
**SILVER CREEK MATERIALS  
RECYCLING & COMPOST**



2251 Silver Creek Road  
Fort Worth, TX 76108

**817-246-2426**

USAID



sisera\_en.gif



**ECHO**

networking  
global hunger solutions



smallbanner3\_r1\_c1 (2).gif



**ECHO**

networking  
global hunger solutions



smallbanner3\_r1\_c1.gif





**ECHO**

networking  
global hunger solutions



smallbanner3\_r1\_c1-2.gif

smalltearfundlogo.gif

## Step 1 Approach: Expert consultation

List as many stakeholders as possible:

Stakeholder	Actual/potential role and responsibility
Farmer	Compost users
...	...

Possible result: There are more stakeholders than we might initially think, and farmers interested in compost are only one group among many

**Step 2** A stakeholder SWOT (strengths, weaknesses, opportunities, threats) analysis

Approach: Interviews with representatives and their clients or competitors or independent experts:

Institution	Strengths	Weaknesses	Opportunities	Threats
...	...	...	...	...

stakeholder\_analysis\_step02.gif

### **Step 3**

Analysis of stakeholders' perceptions, current & potential roles and responsibilities in view of the planned compost station

Approach: Interviews with key representatives

Questions of the perception analysis will address among others:

- Institutional level:  
Expertise, perception towards recycling in general and in the actual case and potential support (or non-support) of the proposed station
- Local community level:  
Perception towards waste, recycling, a station in their area, local compost demand and options for participation and (in kind, logistical or financial) support

A common result is:

- that for most city authorities waste collection and disposal are huge challenges and have highest priority. Thus any available funds are used for getting the waste as fast as possible out of town. This is not easy at all if we consider financial and maintenance problems etc.
- Thus composting or recycling – although well perceived - cannot get similar attention unless the basic services work

**Step 4** Analysis of national and local sanitation and municipal bylaws and Environmental Protection Agency (EPA) regulations for the handling of waste and compost station set up.

Approach: Visit to Municipality, EPA, relevant ministries and study of bylaws and regulations.

stakeholder\_analysis\_step04.gif

## **Step 5** Developing an institutional framework (putting the puzzle together)

Approach (part A): Table of stakeholders versus activities (consider interest, strength & weaknesses)

Institutional Framework (part B): "Cluster" analysis

The institutions can be re-arranged under the headings:

- Regulators
- Management of station operations
- Support service providers
- Users

Institutional Framework (part C): Visualization of the results

The proposed institutional framework can finally be illustrated in many ways (organigram, flow chart, etc.)

Approach: use of graphic software or word processing program such as Word for Windows

## REGULATORS

EPA  
MOFA  
MHS  
KMA -WMD  
MLGRD  
UC/Assembly  
person

## MANAGEMENT

KMA -WMD  
NGOs  
CBOs  
UC  
Assemblyperson  
EPA

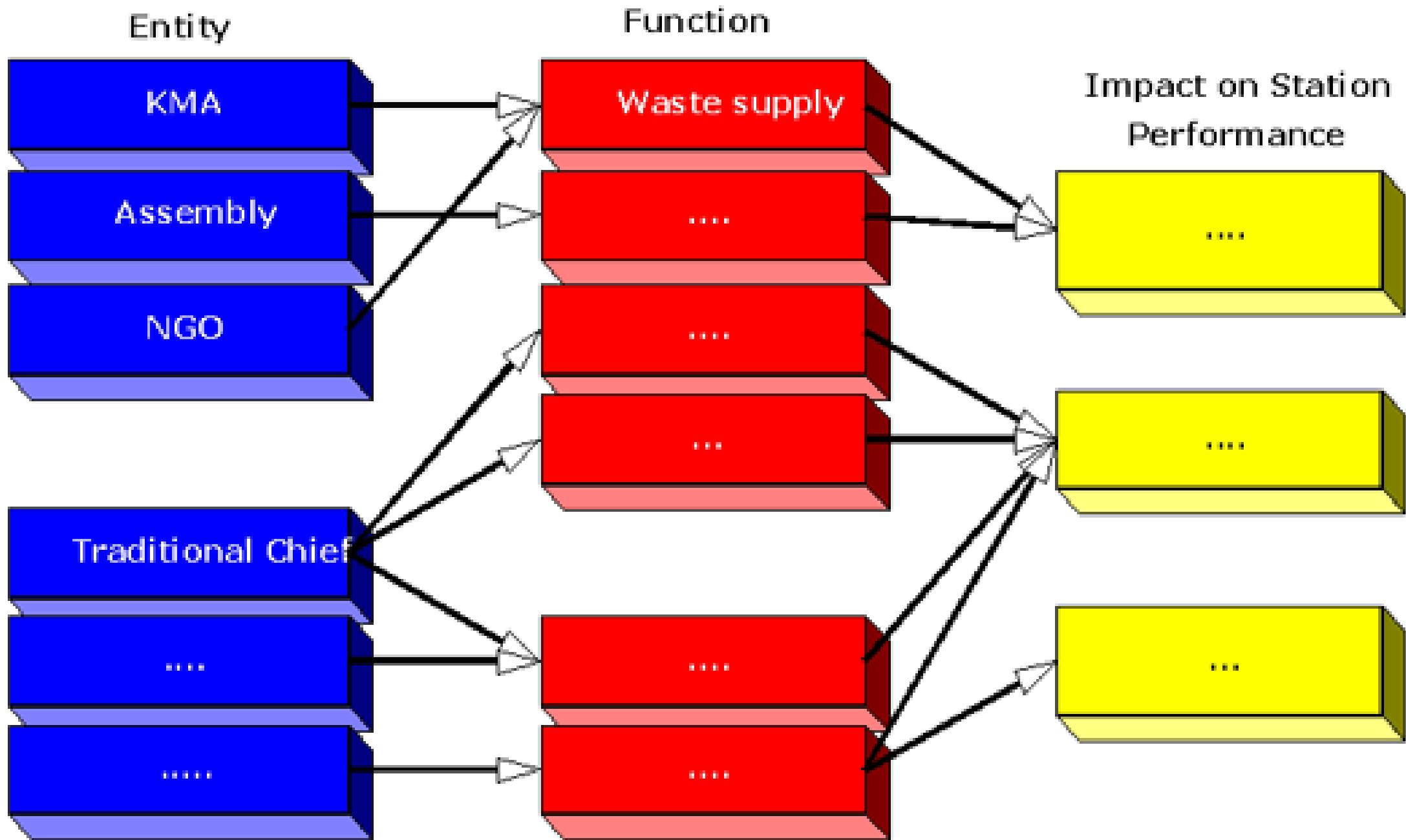
## USERS

KMA -WMD  
NGOs  
CBOs  
Households  
Farmers  
Workers  
Private Sector

## SUPPORT INITIATIVES

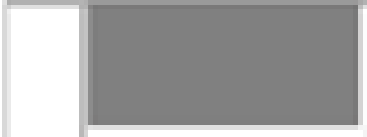
KMA  
NGOs  
World Bank  
Village Chief  
MOFA/EPA/MHS  
UC/ Assembly  
person





stakeholder\_flow\_chart.gif

ACTIVITY		EPA	MHS	MOFA	KHA-WMD	NGO GOAN	NGO GROWTH	WORLD BANK	VILAGE CHIEFS	Unit Committees	Assembly persons
Activities proposed by the institutions	Support sanitation awareness creation										
	Support Waste collection initiatives										
	Financial support of initiatives										
	CBO capacity building										
	Quality control monitoring										
	Monitoring & Evaluation of operation										
	Licensing operation										
	Monitoring Safety and environmental impact										
	Promotion of sales of compost										
	Coordination of stakeholders										
	Education of farmers										
	Facilitate land to site the plant										
Involvement in Management											


 Institution taking action

***Stakeholder***

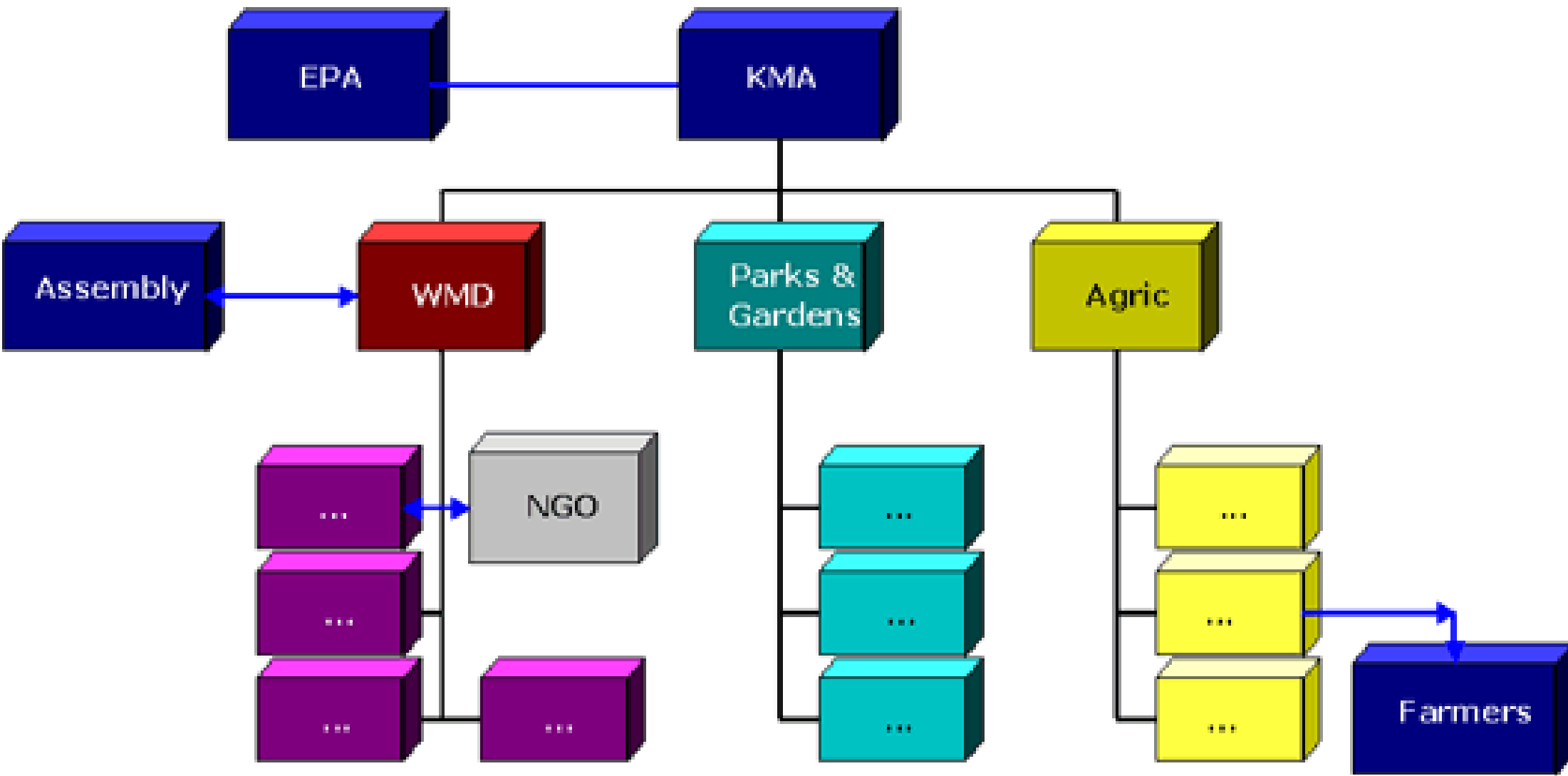
***Actual/potential role and responsibility***

- .....  
● .....  
● .....  
● .....

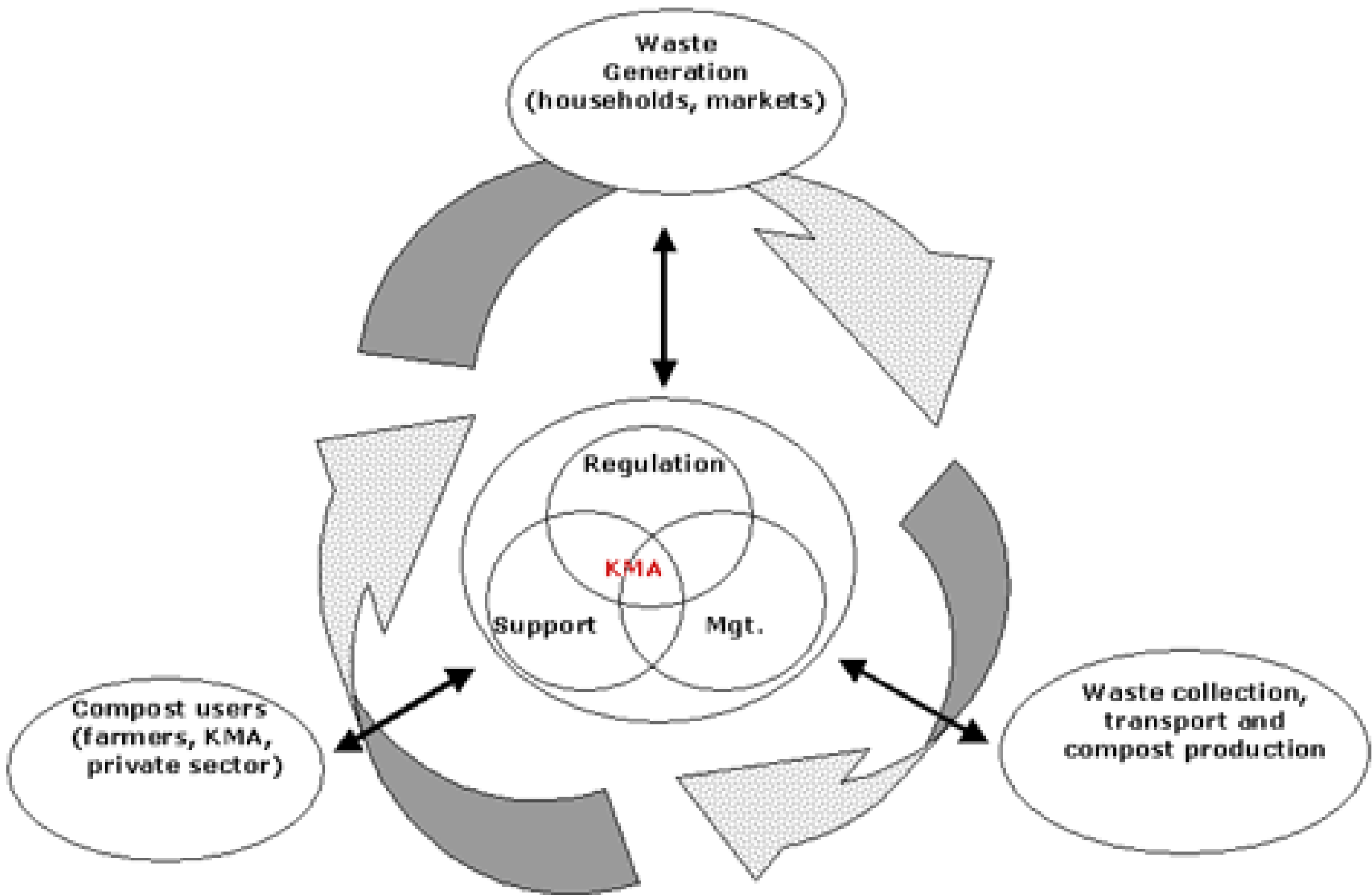
- .....  
.....  
.....  
.....

**Example:**  
Farmers

Compost users



stakeholder\_organigram.gif



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## WELCOME

Updated by [IETF](#)  
 Date: 10 May 2006

### Welcome to the new IETF web Portal

This is the new version of our official information site that is to provide easy access to IETF documents and other information. It also has the capacity of comments please contact us at [ietf@ietf.org](mailto:ietf@ietf.org).

There are some things that have not been moved from the previous site, that are not removed in at least three months and can be found at [www.ietf.org/oldsite/](http://www.ietf.org/oldsite/).

See current status on our [home](#) page.

### The Search Function

Updated by [IETF](#)  
 Date: 10 May 2006

On the whole we are pleased with the search function that comes with the new management system. One bit of the big right, the big advantage is that the search will search documents in the whole IETF. Search: IETF Development Center (IDC) and IETF Technical Center are in the search.

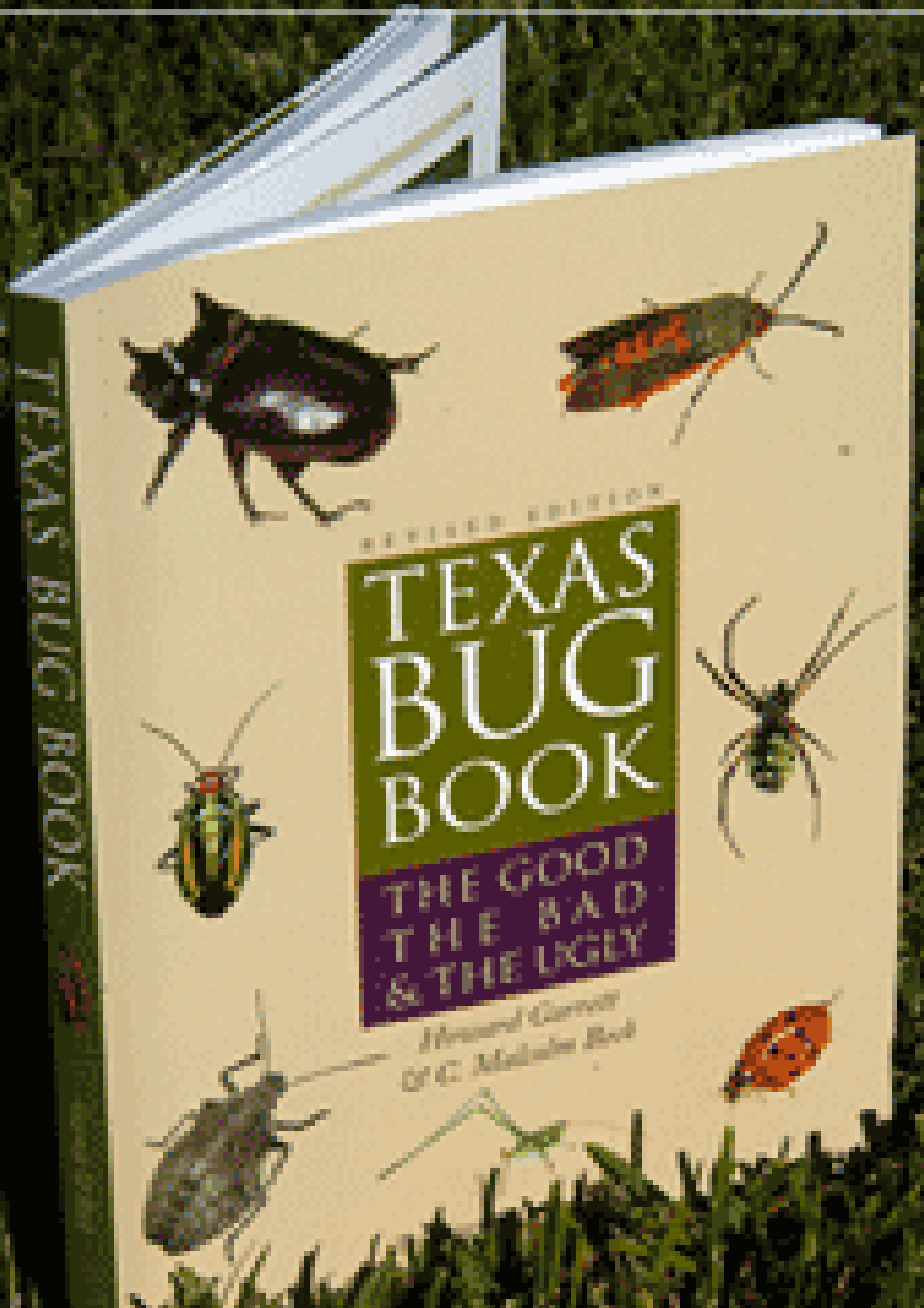
Search



### Latest Files

- 1. [The Search Function](#)
- 2. [IETF](#)
- 3. [IETF](#)
- 4. [IETF](#)
- 5. [IETF](#)





TEXAS BUG BOOK

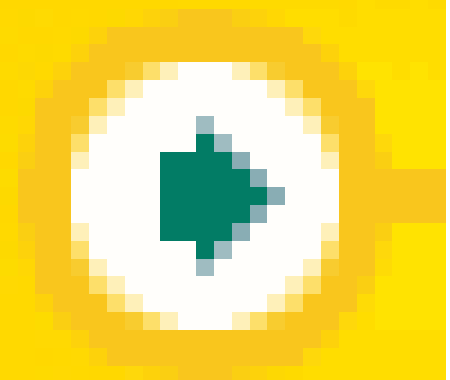
REVISED EDITION  
**TEXAS  
BUG  
BOOK**  
THE GOOD  
THE BAD  
& THE UGLY

*Howard Garrett*  
*C.C. McMillan Book*



Please take  
part in our  
survey

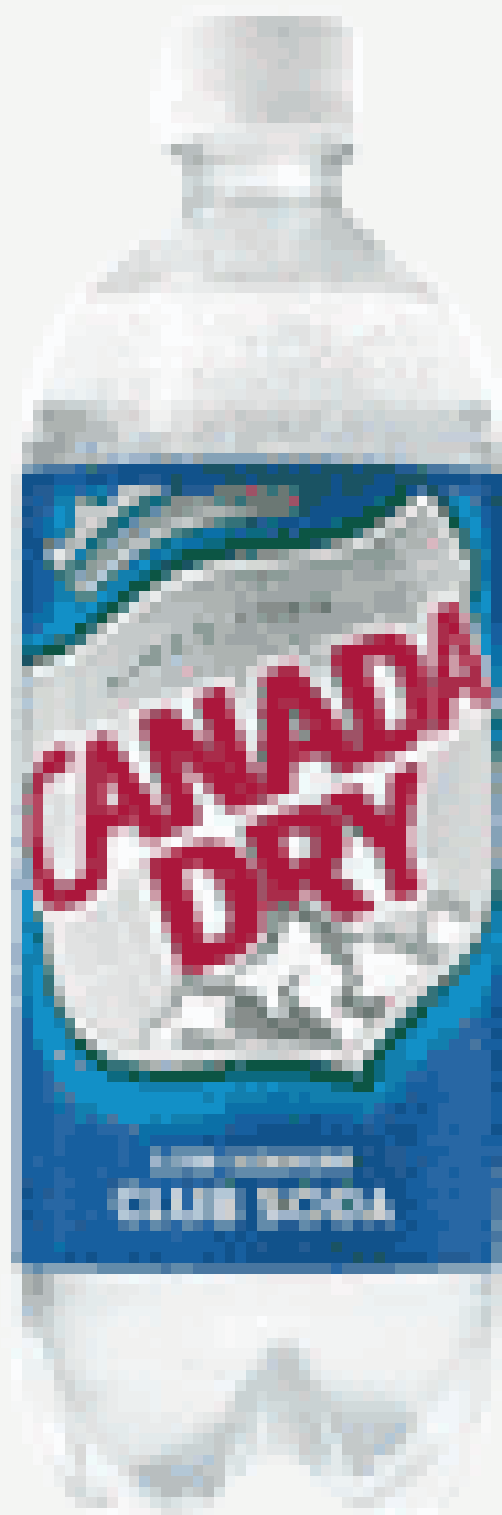
go













tree1.gif



tree2.gif





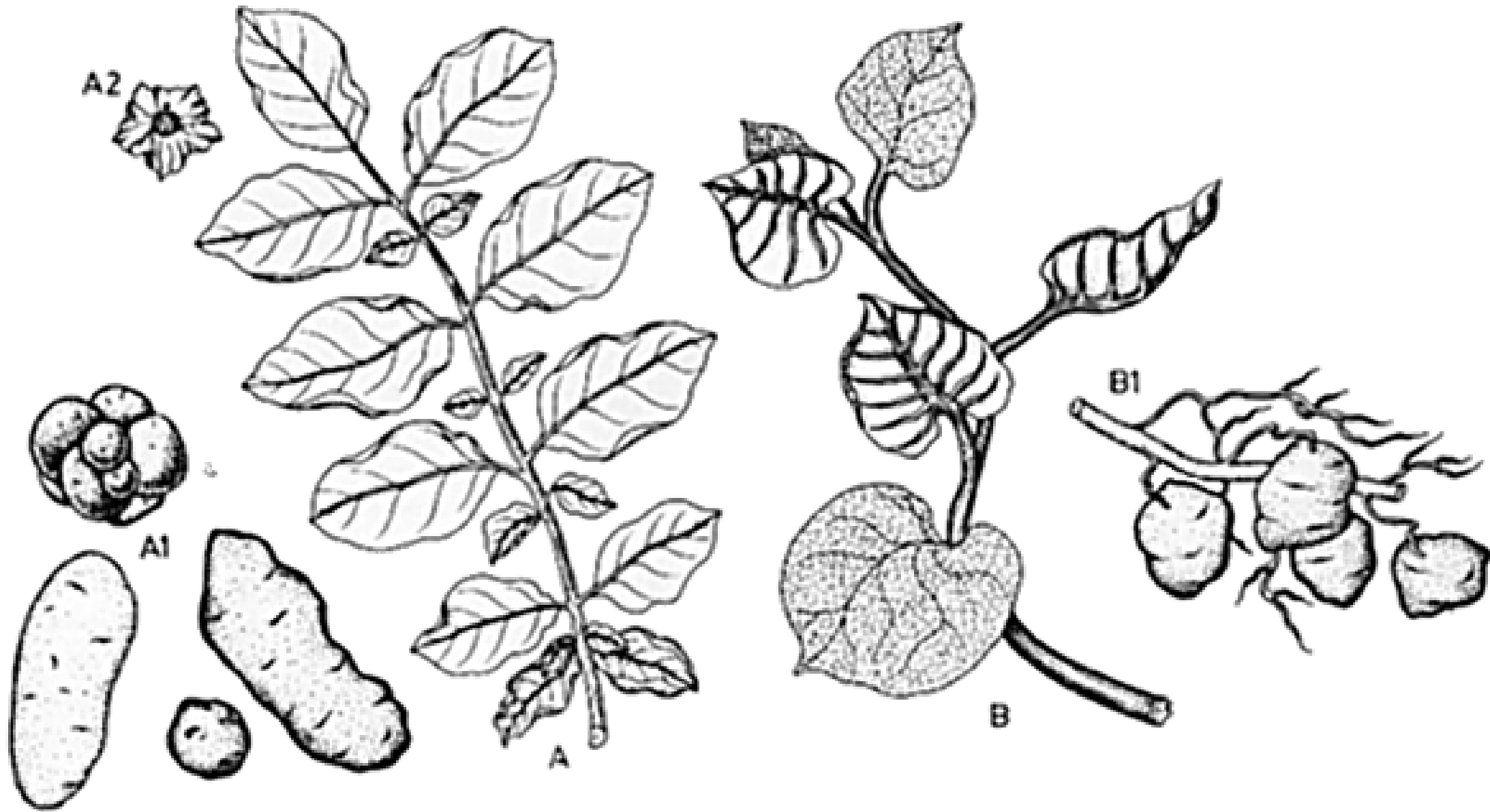




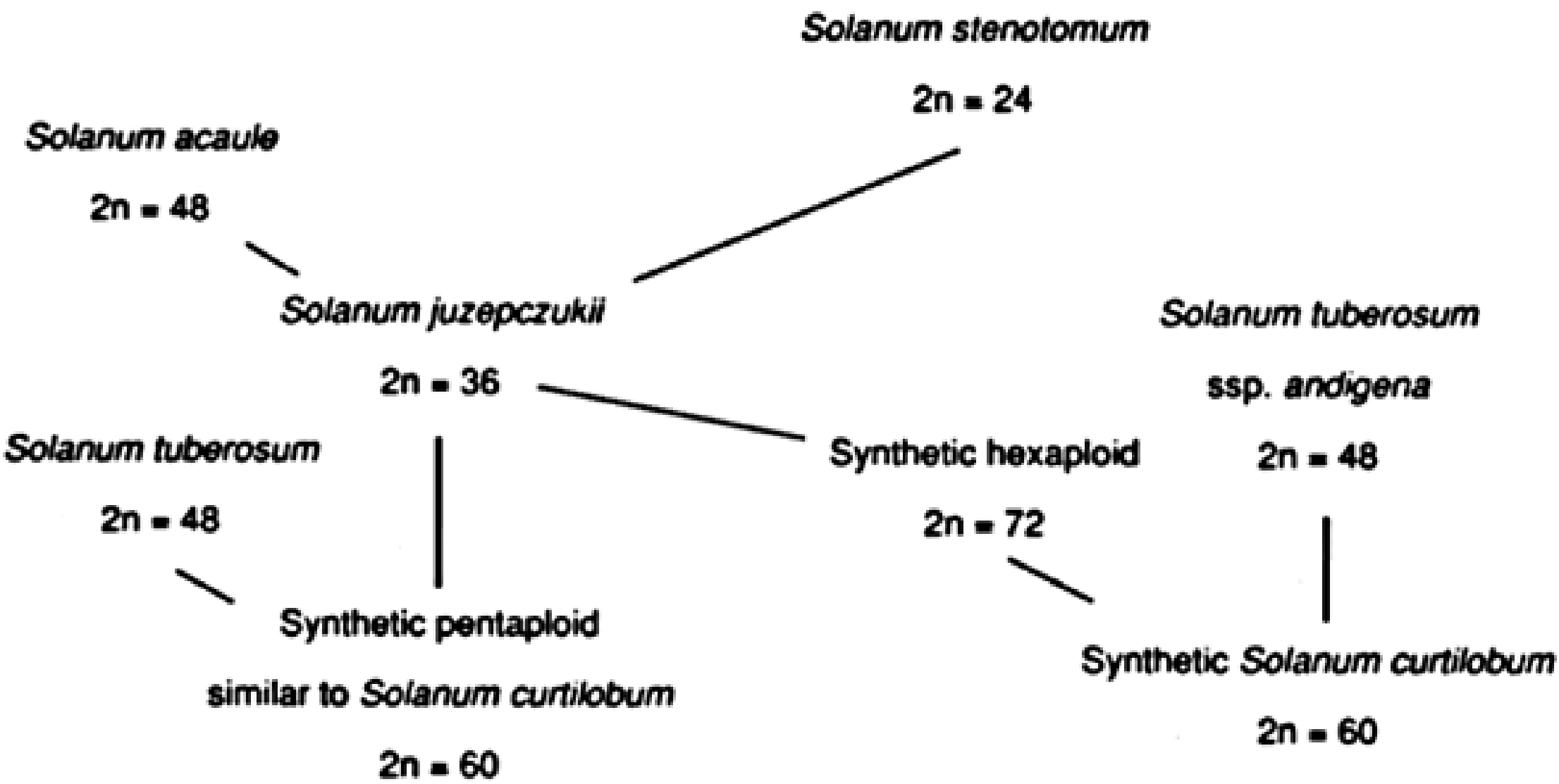




tubers\_fig15.gif



tubers\_fig16.gif



tubers\_fig18.gif

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**Open or non-reactor**

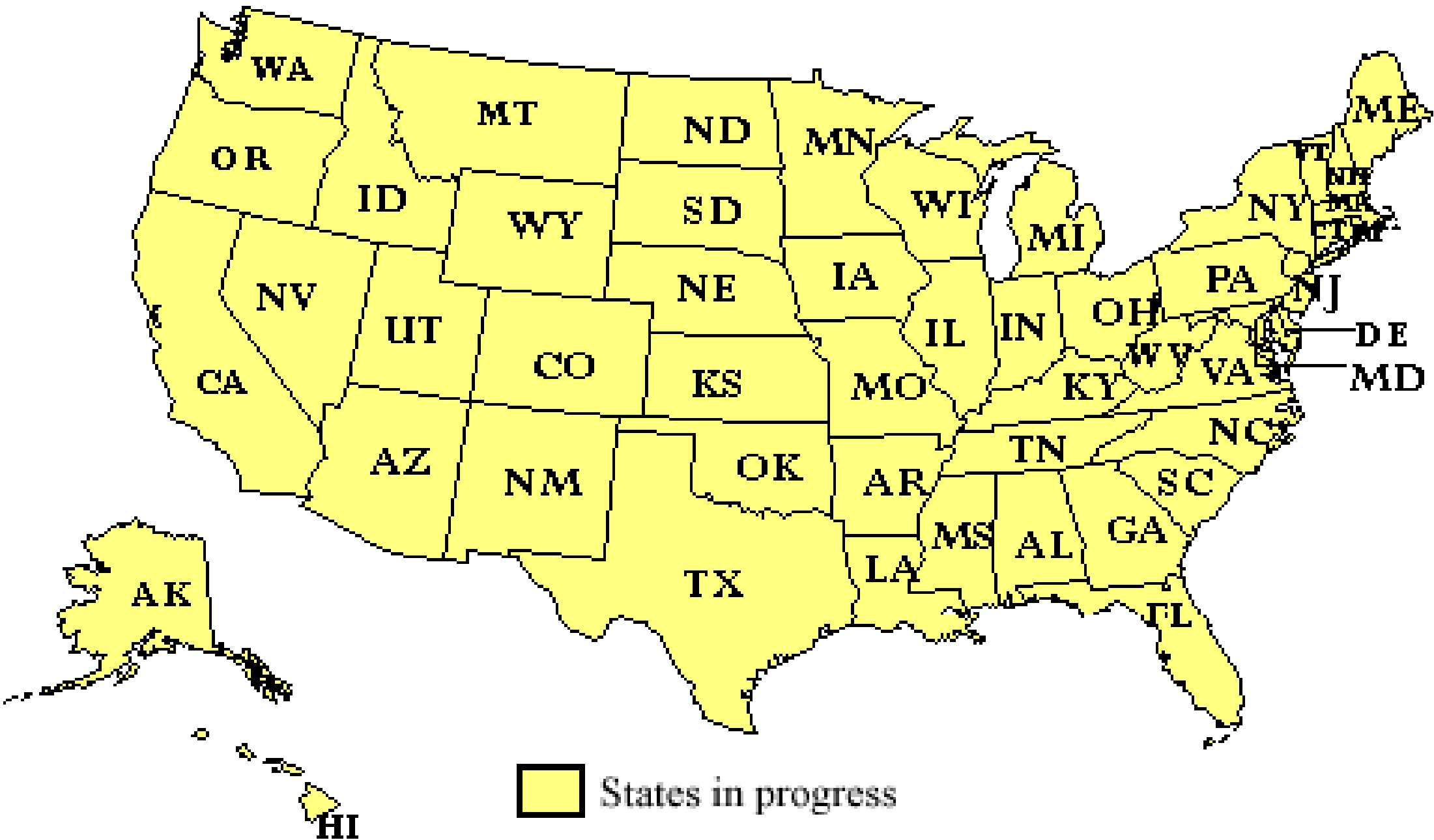
(window and aerated static pile)

**Closed or reactor**

(container, tunnel or enclosed)

types\_of\_composting\_systems.gif



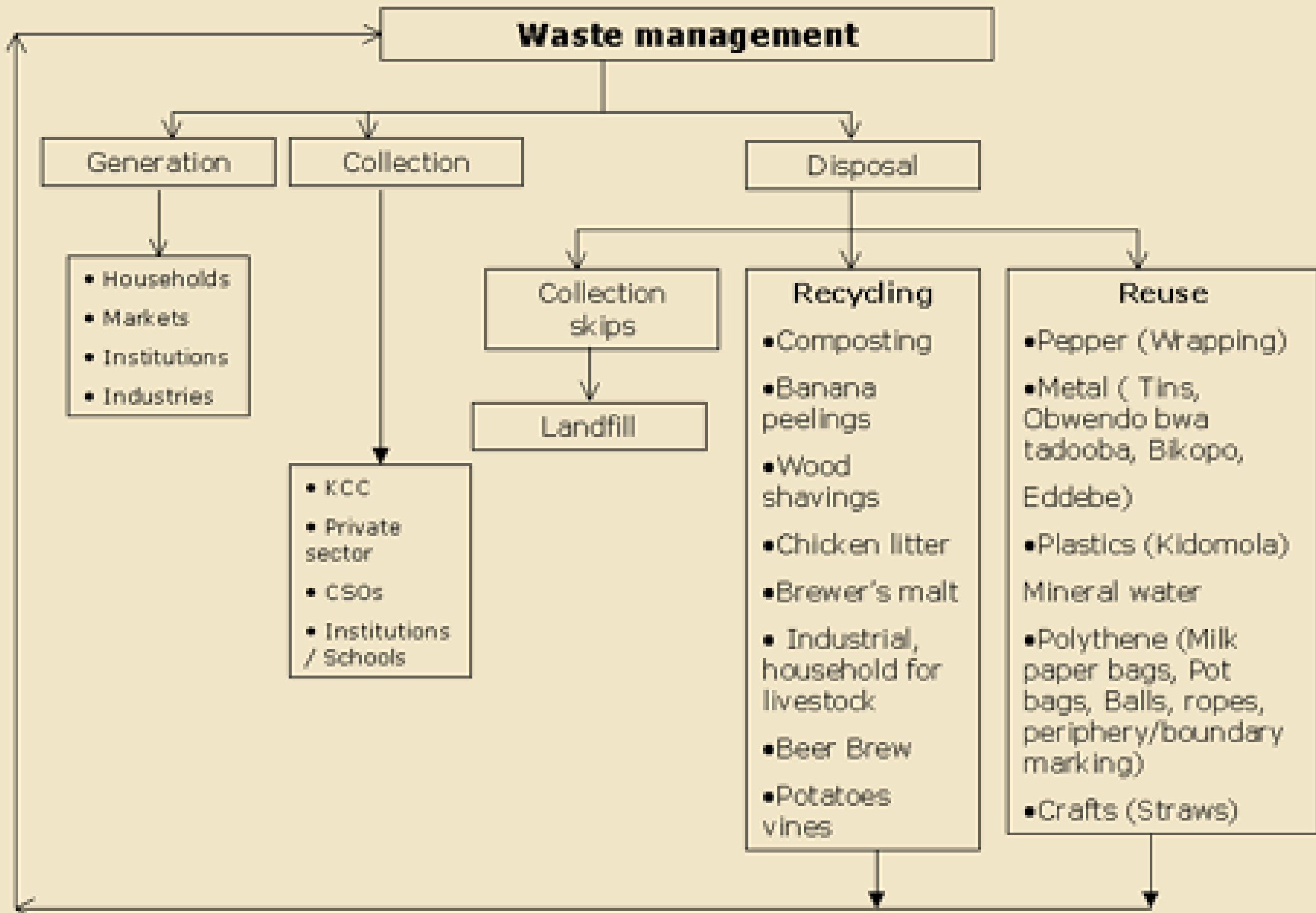


**IDRC**



**CRDI**

wadimena\_en.gif



<b>Actors</b>	<b>Roles &amp; responsibilities</b>
KCC	<ul style="list-style-type: none"> <li>• Generally responsible for collection and disposal</li> <li>• Ensure that the city is clean of waste</li> <li>• Set standards of how to go about recycling and waste management</li> </ul>
Private Sector (Charge 20,000/= per month)	<ul style="list-style-type: none"> <li>• Ensure timely collection in area of jurisdiction</li> <li>• Supply for bags per week, twice a week</li> <li>• Provide collection materials</li> <li>• Pay council dues</li> </ul>
C.B.Os/NGOs. Community groups (Youth Groups & Women groups) Charge 100/= per heap	<ul style="list-style-type: none"> <li>• Involve community</li> <li>• Collect, sort, and recycle</li> <li>• Deliver or dispose at the skip BCODA</li> </ul>
Institutions like schools	<ul style="list-style-type: none"> <li>• Manage their waste</li> <li>• Burn, pit, composting</li> <li>• Deposit in the KCC skip</li> </ul>
Households	<ul style="list-style-type: none"> <li>• Generate waste</li> <li>• Properly dispose it off to recommended collection points</li> <li>• Keep homes clean</li> </ul>



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