

Capacity Building of Farmers through e-Extension Model

Challenges and Opportunities

Dr. Carol Kramer-LeBlanc, USDA

Dr. Greg Crosby, USDA

CSD-Ag Text

- Employ science-based approaches, and local and indigenous knowledge, while undertaking research and development, **to improve plant varieties, livestock and soil**. Encourage development and adoption of locally appropriate farming systems and agricultural practices.
- Promote the use of **soil conservation and improvement** techniques, including integrated

(continued)

- **Nutrient management and nutrient use efficiency**
- Promote **sound water management** and saving
- Strengthen **research, education and extension** that advances the practice of sustainable agriculture and rural development. **Improve linkages among research, instruction in schools and universities, and diffusion of knowledge by extension services.**
- **Expand agricultural extension services to help small holders to access and take advantage of modern information and communication technology**
- Strengthen multi-stakeholder participation and partnerships . . .

(continued)

- **Foster expanded scientific and technical cooperation, including North-South and South-South cooperation, . . . Sustainable bioenergy production, arid and semi-arid agriculture, and combating desertification**
- **Diffuse more widely pre-and post-harvest technologies . . .**
- **Strengthen the assistance from the UN System and all relevant international organizations . . . To help farmers . . . Increase production and integrate with markets.**

Platform for Knowledge-Sharing

- **An Auspicious Time to “Fast track” Knowledge Sharing for Sustainable Development**



extension

more mind reach

eXtension, is a collaboratively built Internet-based learning environment delivering sound, science-based information on a 24/7/365 basis.

Why eXtension?

- Better together than separate
 - Content
 - * best-of-best
 - * peer-reviewed
 - * scalable
 - * more specialized
 - Efficiencies
 - Development potential

Community of Interest

An identified group of individuals sharing similar interests, concerns, and educational needs around a subject area.

Community of Practice

- Virtual network
- Multi-institutional
- Multi-disciplinary
- Open (new members)
- Fluid and flexible
- Evolve over time
- Responsive to Communities of Interest

Communities of Practice

Examples

- Goats
- Livestock and Poultry Waste Management
- Horticulture
- Equine
- Meat Processing
- Organic
- Dairy
- Entrepreneurship



Cooperative Extension Program
Prairie View A&M University



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Livestock and Poultry Environmental Learning Center Webcast Series

The Livestock and Poultry Environmental Learning Center offers a free monthly webcast on a variety of issues related to animal manure management.

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What's New

Our latest and greatest.

In the News

Extension serving local communities.

Resource Areas

Community

- Diversity Across Higher Education
- Entrepreneurs & Their Communities
- Gardens, Lawns & Landscapes
- Geospatial Technology
- Imported Fire Ants

Disaster Issues

- Agrosecurity and Floods

Family

- Family Caregiving
- Parenting
- Personal Finance

Farm

- Animal Manure Management
- Beef Cattle
- Corn and Soybean Production
- Cotton

eOrganic

Organic Agriculture

In This Resource Area

Farming Systems

- Dairy Production
- Vegetable Production

General Topics

- Introduction to Organic Agriculture
- Certification
- Cover Cropping
- Insect Management
- Marketing and Food Systems
- Plant Breeding
- Plant Disease Management
- Seeds and Seed Production
- Soil and Fertility Management
- Weed Management
- Video Clips

-
- eOrganic YouTube channel
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Calendar

MAY 15 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC 2010

- Organic Beekeeping: Principals and Practices

Answers from our Experts

April 23, 2009

Where can I buy organic seed?

March 04, 2009

I've heard that non-organic milk replacer, fed to calves, often contains cattle and hog blood...

March 02, 2009

Should I add molasses to the soil?

More ...

This resource area was created by the:
eOrganic community



In The News...

April 29, 2009

University of Minnesota Extension Study Finds Consumers Concerned About Produce Food Safety

April 27, 2009

Use Caution With 'Organic' Insecticides Too

April 27, 2009

Organic Gardens May Yield More Nutrients

More ...

Resource Area Feeds

- Track all new content

Animal Manure Management

sponsored by Livestock and Poultry Environmental Learning Center

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The Livestock and Poultry Environmental Learning Center offers a free monthly webcast on a variety of issues related to animal manure management.

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In This Resource Area

November, 2008 Newsletter

Topics:

- Air Quality
- Environmental Planning
- Feed Management

Answers from our Experts

November 04, 2008

Do manure nutrients "disappear" in an anaerobic digester?

September 05, 2008

What is the purpose of manure application setbacks, and who determines them?

August 20, 2008

Waste Management - Dry vs. Wet ??

- Conventional systems handle and treat waste in bulk
- For alternative management systems, advantage to separating liquids and solids

```
graph TD;
  RawManure[Raw Manure] --> LiquidWaste[Liquid Waste];
  RawManure --> SolidWaste[Solid Waste];
  LiquidWaste --> Aerobic[Efficiently treated by aerobic processes];
  SolidWaste --> Anaerobic[Efficiently treated by anaerobic processes];
```

Goats

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Goats

Here are some of our featured articles and activities...



Goat Abomasal Worms

What is this?

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- [Herd Health](#)
- [Marketing](#)
- [Nutrition](#)
- [Pastures and Forages](#)
- [Reproduction](#)
- [Vegetation Management](#)

Answers from our Experts

April 06, 2009

[Why does foot and mouth disease cause such concern?](#)

March 24, 2009

[How can I treat pinkeye in my goats?](#)

This resource area was created by the:
Goats community



In The News...

April 29, 2009

[Texas Landowner Survey Deals with Predator Losses](#)

April 03, 2009

[Time is Right to Select Fleeces for Sonora's June Wool Show](#)

April 01, 2009


[New Web Resource Helps U.S. Goat Producers](#)

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Resource Area Feeds

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Small Meat Processors

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Small Meat Processors

Niche Meat Processor Assistance Network

Here are some of our featured articles and activities...



Archived Niche Meat Processor Webinars

Webinars are available for viewing: 1) Mobile Processing Units: What's the State of the Art? 2) Poultry Processing Exemptions

[More...](#)

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In This Resource Area

- [Meat Processing Rules & Regulations](#)
- [Find Help Near You](#)
- [Processor Case Studies](#)
- [Business Development](#)
- [Financial Assistance Programs](#)

Answers from our Experts

April 28, 2009

We are attempting to raise chickens for eggs on our pasture. We have 5 acres with horses on it...

April 20, 2009

How do you contact the USDA to get plant

This resource area was created by the:
[Niche Meat Processor Assistance Network community](#)



In The News...

April 27, 2009

[How to Tap USDA's Value-added Producer Grants](#)

April 14, 2009

[State University of New York Meat Processing and Food Safety Program Offered in June](#)

April 05, 2009

[Niche Meat Processing Community Page](#)

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What are you doing right now?

× Feed Filters ▾

News Feed


Status Updates

Photos

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Live Feed




 Paul Erickson played rugby for the first time in 15 years today. 56 minutes ago – 1 Comment



Kerry Jo Richards at 4:27pm October 4
Better take some proactive advil :)

Write a comment...

 Retta Ritchie-Holbrook Just saw a HUMMER with a vanity plate that says "11 MPG". Jokes on you sir. about an hour ago – Comment

 Anne Adrian Enjoyed quietly watching college football after softball players left our house. Now we're back at the field. I'd appreciate any score up ... 3 hours ago – Comment

 Ashley Griffin and Craig Wood were tagged in an album.



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1 event invitation



1 relative request

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2 new notifications

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Paul Erickson – poke back | remove

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September 2008 – 60 photos

eOrganic - YouTube



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eOrganic

Joined: **August 20, 2008**
Last Sign In: **3 days ago**
Videos Watched: **211**
Subscribers: **46**
Channel Views: **1,905**

eOrganic is a web community of educators, researchers, and farmers. One of the missions of eOrganic is to develop science- and experience-based organic agriculture information for the web. eOrganic is the Organic Farming Community of Practice in eXtension.

Community of Practice with eXtension

Country: **United States**

Interests and Hobbies: **organic agriculture, sustainable agriculture**

Website: <http://extension.org>

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Send Message

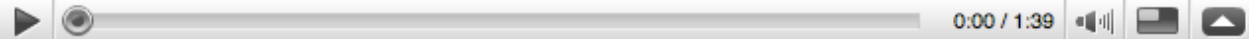
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Organic No-Till Living Mulch Intro: Weed Em and Reap

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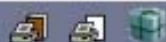
Ask an Expert



Question

Email
Type it carefully, this is how you'll receive your answer

Ask



¿Quiere un estimado de los ingresos que necesitará al retirarse?

4a: ¿Tendrá otras fuentes de ingreso al retirarse?

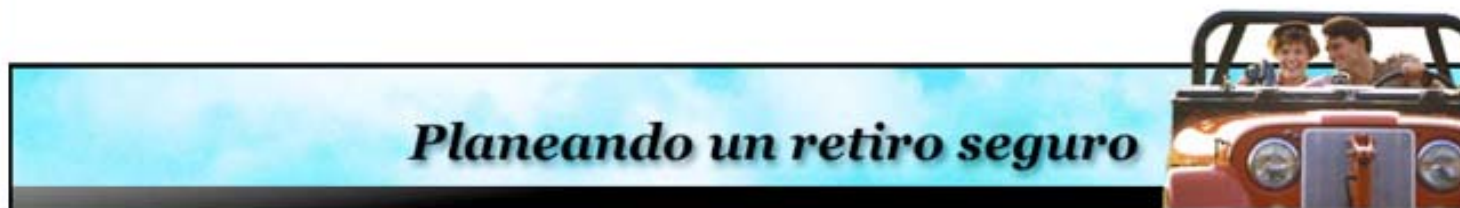
4b: ¿Cuáles son las fuentes de ingresos de los jubilados actualmente?

4c: ¿Qué es lo que los trabajadores dicen sobre la Planeación del Retiro?

4d: ¿Qué puede hacer para incrementar sus ingresos al retirarse?

4e: Su opinión:
Módulo 4

¿Quiere un estimado de los ingresos que necesitará al retirarse?



4a: ¿Tendrá otras fuentes de ingreso al retirarse?

Escuchar audio

Obtenga un estimado de los ingresos que necesitará cuando se retire.

4b: ¿Cuáles son las fuentes de ingresos de los jubilados actualmente?

Composición de los ingresos para personas de más de 65 años de edad en diferentes niveles de ingresos.

4c: ¿Qué es lo que los trabajadores dicen sobre la Planeación del Retiro?



Resultados del 2004 de la Encuesta Sobre Seguridad en el Retiro (2004 Retirement Confidence Survey)

4d: ¿Qué puede hacer para incrementar sus ingresos al retirarse?

Incrementando sus ingresos al retirarse

Traffic (how people find us)

All traffic sources sent a total of 1,948,983 visits

-  **8.29% Direct Traffic**
-  **12.61% Referring Sites**
-  **79.09% Search Engines**



- Search Engines**
1,541,514.00 (79.09%)
- Referring Sites**
245,858.00 (12.61%)
- Direct Traffic**
161,595.00 (8.29%)
- Other**
16 (> 0.00%)

Top Traffic Sources

Sources	Visits	% visits
google (organic)	1,273,987	65.37%
(direct) ((none))	161,595	8.29%
yahoo (organic)	136,103	6.98%
msn (organic)	42,241	2.17%
aol (organic)	32,327	1.66%

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Keywords	Visits	% visits
lost birth certificate	5,827	0.61%
what is a compound	5,209	0.54%
signs of death	2,179	0.23%
what is technology	1,650	0.17%
dnr garmin	1,621	0.17%

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Traffic (since launch)

Export

Beta Advanced Segments: All Visits

Dashboard


Feb 21, 2008 - Apr 29, 2009


Visits

Graph by:





Site Usage

 **1,948,983 Visits**

 **4,340,519 Pageviews**

 **2.23 Pages/Visit**

 **75.00% Bounce Rate**

 **00:01:33 Avg. Time on Site**

 **85.47% % New Visits**

Visitors Overview



Map Overlay



What is eXtension?

eXtension is an Internet-based collaborative environment where Land Grant University content providers exchange objective, research-based knowledge to solve real challenges in real time.


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Get Answers

Ask an Expert



Question

Email

Type it carefully, this is how you'll receive your answer

Educational Web Conferences

09mar presenters.jpg



Auvermann Todd Casey Cole Meghrens

Attendee List (48)

- Dustin Hiatt 2
- Jill Heemstra
- Presenter
- Andy Cole
- Brent Auvermann
- Ken Casey
- Richard Todd

Chat

Jill Heemstra: The speakers slides can be downloaded at:
http://www.extension.org/pages/4live_Webcast_Information

Russell: Checking in chat.

Note

For technical assistance, please dial:
800-478-0057




09 mar intro.ppt

Air Quality Education in Animal Agriculture Webcast Series
presented through the Livestock and Poultry Environmental Learning Center

Air Emissions from Cattle Feedyards and Dairies

Seminar starts promptly at 1:30 CST

Financial assistance for these webcasts comes from:
USDA CSREES through a National Facilitation grant
and the National Research Initiative



0:00:33

Recommendations

- Convene a collaboration of existing international organizations and partnerships most concerned with knowledge management and extension either virtually or face-to-face to assess feasibility through a business case for a Global Extension Platform
- Participants might include FAO, IFPRI, UNEP, IFAD, WSIS, ADB, WB, CGIAR, SARD, ILC, SIANI, BMGF, US eXtension, USAID, MCC and others. This might be hosted by the Sustainable Development Knowledge Partnership.

Recommendations

- Consider organizing COPs around cropping systems, agro-ecological regions or other dimensions such as nutrient management, integrated pest management, land use planning, agriculture production and marketing, cooperatives, micro-credit, erosion, food handling, livestock production, or land tenure and rights.

Recommendations

- Target audiences in developing countries might include: small-holder farmers, women farmers, small and medium enterprise owners, extension personnel, private sector advisors, university faculty, formal school teachers, young people, scientists, and policy makers.

Recommendations

- Develop swift assessment protocols of developing countries that include: IT infrastructure, cell phone usage by consumers, producers, extension and other audiences, extension capacity, cropping traditions, and other criteria to determine the kind of content, level of presentation, and kinds of delivery modes that would be most effective in building capacity to maintain an extension system.