



November 2009

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International Goat Association Newsletter

KEEP INFORMED — STAY IN TOUCH — GET INVOLVED

Editorial

Dear friends and IGA members, You know that the objectives of the International Goat Association are *"to promote research and development on goat and small livestock activities for the benefit of humankind, to alleviate poverty, to promote prosperity and to improve the quality of life."*

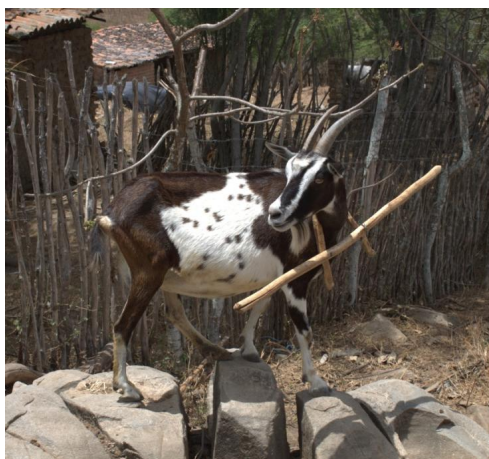
These ambitious objectives are also complex ones and we must think how to reach them.

Since the eve of the 21st Century, more than ever, the world has faced big challenges that must lead us to re-question what it means to promote development and our scientific priorities. It is the reason why the IGA board has proposed during our last meeting in Barcelona to enhance the debate on these questions.

We have encouraged the organizing committee of the next International Conference on Goats planned to be held in Recife in September 2010 to include more presentations and debates for better governance on these activities.

This Conference will have different objectives than the previous ones to be more prospective and not limited to applied animal science results.

Among these new priorities, we could quote, management of water and saving of natural resources, use of pastoral resources and preservation of bio-diversity (in relation to global warning), valorization and qualification of local products, promotion of local know-how, training and project engineering, and general



communication. One fundamental venture is to increase the awareness and involvement of the public services and politics on the importance of these activities to provide sustainable activities in often less favored areas. Goat and small livestock activities are clear examples of possible opportunities to re-think human globalization at a more local level. It is necessary

to listen to what are the opinions and proposals of local Associations, how they could interact with International Institutions, Research and National or regional powers, to involve humanitarian foundations or big companies.

During this autumn, our Director of Operations, Christian DeVries has contacted personally each country representative, to ask them to reconfirm their involvement and their contribution. We also ask that you are members inform all of us on what is happening in your country in goat and small livestock activity, on innovation and various initiatives. We hope that the organization and mobilization of this unique network could contribute and give clear and concrete proposals during the next ICG.

I am sure you are aware that the future of our association and its contribution for a better world will be dependant of your involvement and personal or institutional participation.

IGA President,
Jean-Paul Dubeuf

SPECIAL REPORT: The Controversial Impact of Cashmere Goats

“ The Goat’s Fever” A short tale on goats, globalization and sustainable development

Written by Jean-Paul Dubeuf

Once upon a time, in the Far East’s huge landscape of Mongolia, led by proud shepherds the Cashmere goat grazed the natural pastures of the steppe. A balance between the growth of a very diverse vegetation, the grass feeding the goats, their contribution in organic fertilization and their use by shepherds for meat, their marvelous cashmere wool being used to make handsome clothes and provide some money.

In the past 10 years the market for cashmere wool has exploded. The wool industry enabled this amazing activity. Western and Chinese companies have increased their presence, among them Eric Bompard (the French leader in luxury cashmere sweaters), or Erdos. Erdos is the Hong Kong company that gave its name to a

mushrooming town employing, more than 70,000 people in cloth making. A pure cashmere sweater bought for €20 locally is sold for more than €100 in Europe or USA, generating big profits at all levels.

The consequences of such a boom are amazing. The number of goats increased and the steppe is overgrazed, generating loss of biodiversity, erosion and drought. Some specialists consider now that it is a major cause for sand storms blowing all the way to Beijing!

The shepherds have to work always more to invest; they change their nomadic way of life and have bought irrigated maize to feed the goats contributing in the water wastes.

These dark sides are often hidden by the communication in Europe as we can consult websites like <http://www.eric-bompard.com> or

this presentation at the Erdos Group:

Erdos Group Brief

Erdos Group is a leading enterprise engaged in cashmere, coal, electricity, metallurgy and chemistry. Erdos Cashmere Group (The Group) is affiliated to Erdos Group, mainly handling production and trading of “Erdos” brand cashmere products.

The Group has over RMB 1 billion total assets, 27 subsidiary companies and 15,000 staff members. “Erdos” is the first cashmere trademark that wins the honor of China Famous Brand. Its brand value was assessed to be up to RMB 10.027 billion in 2007 and is rated one of the 20 most valuable brands of China. The Group has formed an annual production capacity of 10 million pieces, which accounts for 40 percent of domestic cashmere market and 30 percent of the world’s. The Group has established 36 trade companies, 33 distribution centers and over 1500 retail

The Project of Cashmere Goat Industrial Technology System will Greatly Promote the Development of Cashmere Goats in China

Written by Yingjie Zhang, IGA Country Representative, Agricultural University of Hebei

China is very rich in resource of cashmere goats, and there are almost 30 kinds of local breeds. The main breeds include Liaoning Cashmere goat, Inner Mongolia Cashmere goat, Hexi Cashmere goat, Tibet Cashmere goat, Sichuan Cashmere goat and Shandong Cashmere goat. There is also a large number of hybrid breeds.

Cashmere goat population in China reached 60 million and annual yield of cashmere is about 12,000 tons. The main producing

areas are the Inner Mongolia Autonomous Region, Xinjiang Autonomous Region, Liaoning Province, Shandong Province and Hebei Province, among which cashmere yield of Inner Mongolia Autonomous Region is nearly 5,000 tons.

In china, the amount of Cashmere goat and cashmere yield are leading first in the world, but most goats are raised by thousands of families, keeping extensive management. In addition, the cashmere yield is different between individuals. While some individuals have reached a cashmere yield of more than 1000 grams, others are only about 200

grams. In order to resolve the problems in Cashmere goat industry of China, the Chinese Ministry of Agriculture and the Ministry of Finance jointly launched the project of Cashmere goat industrial technology system in 2008. The project will organize experts to carry out a series of measures including breed improvement, feeding management, disease prevention and other aspects to make technological breakthrough and technology extension in Cashmere goat production. This project will greatly promote Cashmere goat industry of China to develop high quality and efficiency.

Bioactive Components in Milk and Dairy Products

Although bioactive compounds in milk and dairy products have been extensively studied during the last few decades – especially in human and bovine milks and some dairy products – very few publications on this topic are available, especially in other dairy species' milk and their processed dairy products. Also, little is available in the areas of bioactive and nutraceutical compounds in bovine and human milks, while books on other mammalian species are non-existent.

Bioactive Components in Milk and Dairy Products extensively covers the bioactive components in milk and dairy products of many dairy species, including cows, goats, buffalo, sheep, horse, camel, and other minor species. Park has assembled a group of internationally reputed scientists in the forefront of functional milk and dairy products, food science and technology as

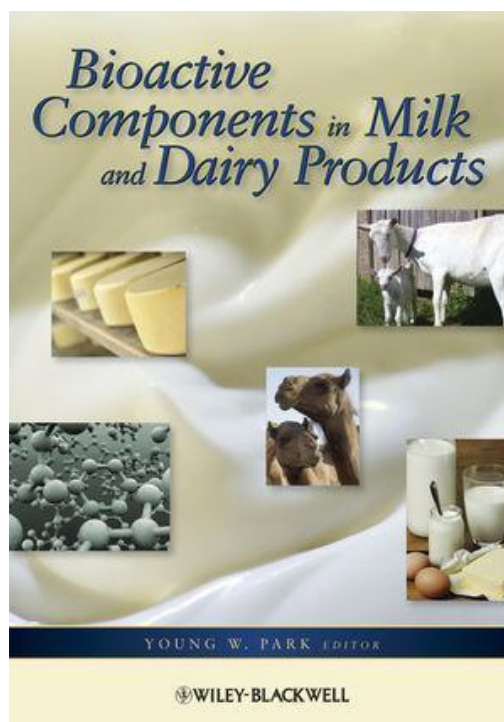
contributors to this unique book.

Coverage for each of the various dairy species includes: bioactive proteins and peptides; bioactive lipid components; oligosaccharides; growth factors; and other minor bioactive compounds, such as minerals, vitamins, hormones and nucleotides, etc. Bioactive

components are discussed for manufactured dairy products, such as caseins, caseinates, and cheeses; yogurt products; koumiss and kefir; and whey products.

Aimed at food scientists, food technologists, dairy manufacturers, nutritionists, nutraceutical and functional foods specialists, allergy specialists, biotechnologists, medical and health professionals, and upper level students and faculty in dairy and food sciences and nutrition, *Bioactive Components in Milk and Dairy Products* is an important resource for those who are seeking nutritional, health, and therapeutic values or product technology information on milk and dairy products from the dairy cow and species beyond.

This book was edited by Young W. Park, IGA Member



Quality Goat Milk for Cheese Production

The main objective of this project is to establish breeding and feeding strategies that ensure optimal and stable goat milk quality for consumer preferred cheese products.

The pattern of consumption of goat milk in Norway is currently changing, and consumers are more inclined to cheese than whey products (brown cheese). This calls for an improvement of overall quality and especially of flavor and rennet coagulation properties of the milk. The present project will establish

quality measures that may be used for feeding advice and breeding for improved milk quality. A joint effort by dairy, breeding, animal nutrition and plant production scientists in collaboration with the farmers and dairies is the best way to achieve these goals.

Casein genes affect milk quality, and methods to include such information in addition to new quality measures in breeding will be elaborated. Applications of multivariate analysis to several quality measures and to the spectra routinely analyzed to find

goat milk content are proposed to find new rapid and cheap tools for milk improvement. Feeding and grazing strategies to optimize and stabilize milk quality will be identified. We will build new competence in: important parameters for assessing milk quality for cheese production, breeding for milk quality, appropriate nutrition for optimal milk quality, and in the field of plant quality for goat nutrition.

Special thanks to Odd Arild Finnes, IGA Country Representative – Norway

The Nyanza Dairy Goat Farmers Association (NDGFA) is formed in Kenya

Presented by: David Nyaoke Jowi, Jael Oguna, Michael Okoth, Julius Owade

Nyanza Dairy Goat Farmers Association (NDGFA) is a legally registered umbrella organization that brings together all Dairy Goat farmers in Nyanza Region. The membership is spread in four key districts namely Suba, HomaBay, Rongo and Rachuonyo, over a radius of about 50kms.

Mission Statement

NDGFA's mission is to restore Hope and Family Livelihoods among the dairy goat families through integration of dairy goat husbandry practices with crop farming enterprises.



Vision

Participating Dairy Goat member Families are empowered with

productive livestock resources and related services and are generating wealth through agribusiness

Goat and Small Livestock News from Around the World

Poring over facts about milk: cow's, goat's, soy, almond, rice and hemp

Full-fat, low-fat or skim? Used to be, there weren't many choices to make over what to pour on your cereal. But the number of alternatives to cow's milk -- soy, goat's, hemp milk, more -- has steadily grown.

Each has its fans: those who swear by goat's milk's creamy texture or who love almond milk's subtle, nutty flavor. But when it comes to nutrition, there's no clear winner.

Cow's milk is a good source of protein but can be high in saturated fats. Hemp milk offers little protein but is rich in certain essential fatty acids. For some, an allergy is the main concern when choosing milk. For others, digestibility drives the decision. "There are dozens of differences in all of these milks," says

Alexandra Kazaks, professor of nutrition at Bastyr University in Kenmore, Wash.

Here's a look at the nutritional pros and cons of standards and newcomers in the dairy case.

<http://www.chicagotribune.com/features/green/sns-green-substitutes-for-milk,0,1319297.story>

Cartelling in goat trade leads to price rise

In a blatant violation of open market competition, goat traders have imposed cartelling in goat supplies, restricting imports of goats to the capital for seven days to raise goat prices.

A meeting of Cattle Traders Service Association -- an organization of traders of goats, mountain goats and sheep in the capital -- held on Friday directed all its members not to import

goats until Thursday.

"We have completely barred our members from importing goats in the capital until Thursday to adjust the supply situation and give relief to traders that suffered huge losses during Dashain due to drop in prices of goats," Krishna Khadgi, treasurer of the association, told myrepublica.com. Khadgi also said the association also decided to slap a fine of Rs 50,000 on buyers and association members who defy the decision. "We have already slapped a fine on one of our members who brought 100 goats in the capital defying our decision."

http://www.myrepublica.com/portal/index.php?action=news_details&news_id=10451

Quebec goat cheese voted best in world

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News from Around the World (continued from page 4)

The goat cheese Le Cendrillon made by Quebec producer La Maison Alexis de Portneuf was voted best cheese in the world at the World Cheese Awards 2009, beating out 2,440 entries from 34 countries.

The winner in all categories was announced Thursday night at a gala in the Canary Islands attended by 300 of the world's top cheese experts.

<http://www.montrealgazette.com/life/Quebec+goat+cheese+voted+best+world/2063623/story.html>

Nepal's capital suffers festival goat shortage
With just days to go before Nepal's biggest religious festival of the year, the capital Kathmandu is suffering a severe shortage of goats for ritual sacrifice, the government said Tuesday.

As a result, the government food agency has ordered officials to travel to the countryside and buy up goats to be brought into the capital, where they will be sold for slaughter to mark the main Hindu festival of Dashain.

"Kathmandu city faces a shortage of goats during the festival, which always brings a high demand for goat meat," Bijaya Thapa, deputy general manager at the Nepal Food Corporation, told AFP.
<http://www.google.com/hostednews/afp/article/ALeqM5iuHzppR4X7e6blueptg2-ZZAevWQ>

Goat industry offers bright prospects for Davao Sur
The Davao del Sur goat industry has to work double time in order to tap the vast potentials

presented during the Goat Industry Forum held on Sept 10 in Digos City.

The Department of Trade and Industry (DTI) Davao del Sur provincial office, which spearheaded the forum with support from the provincial government and local Micro, Small and Medium Enterprise Development (MSMED) Council, said that the goat industry really promises bright prospects for the province.

"Based on the presentations of our resource persons, goat-raising is an industry which can give great economic benefits to the local farmers especially that one speaker has already given his commitment to buy their produce," DTI-Davao del Sur provincial director Engr. Edwin O. Banquerigo said.
<http://www.pia.gov.ph/?m=12&fi=p090915.htm&no=37>

The goat in a small scale farming setting
One way to improve soil fertility and sustain high crop yields for a poor family with hardly an acre of land is to acquire a good quality goat. When we speak about good quality goats we often mean exotic goats such as the South African Boer goat or dairy goats like Sannen, Toggenburg, or Alpine. They are expensive and a small land holder farmer might find it hard to purchase one.

But many poverty fighting organisations, groups as well as individual farmers have placed good quality male goats in various strategic locations nearly across the country where the small farmer may take a local East African goat for mating usually at

quite affordable charges. The agricultural advisory services provider deployed in every sub-county should be in a position to advise an interested farmer about where to find such a he-goat.
http://www.monitor.co.ug/artman/publish/features/The_goat_in_a_small_scale_farming_setting_91762.shtml

Dutch to Extend Animal Vaccination to Fight Q Fever
Dutch farms, children's farms and zoos holding more than 50 goats or sheep will have to vaccinate the animals against a highly infectious disease known as Q fever, the Dutch Agriculture Ministry said on Saturday.

Q fever is caused by a bacterium that is transmitted by goats and sheep to humans. Since 2007 human cases of the disease have risen sharply in the Netherlands to more than 2,000 in 2009, according to the National Institute for Public Health on its website.
<http://abcnews.go.com/Technology/wireStory?id=8681645>

Meat Goat Production Program Offered
Virginia Cooperative Extension will be hosting an Introduction to Meat Goat Production Program.

This program is designed for beginning meat goat producers, persons interesting in possibly starting a herd, or individuals simply wishing to learn more about meat goats. The educational program will be composed of a series of five meetings regarding different aspects of the meat goat industry.

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http://www.gazettevirginian.com/index.php?option=com_content&view=article&id=132:meat-goat-production-program-offered&catid=34:news&Itemid=54

Feed supplements reduce off-flavors in goat milk
Off-flavors in goat milk is a big challenge for Norwegian goat milk production. It has financial consequences in that it entails substantial losses in income. Feeding regimes are of major importance for the frequency of off-flavors. Through supplements of feed concentrate and good quality roughage during periods of suboptimal grazing, the frequency of rancid and tart flavors in goat milk will decrease.

<http://www.umb.no/iha-en/article/feed-supplements-reduce-off-flavours-in-goat-milk>

Garrett County's FireFly Farms earns six awards for cheese making
FireFly Farms, producer of artisan goat cheeses, recently earned recognition for the excellence of its products.

"2009 marks our eighth competition season. These six new awards bring our individual cheese award tally to 35," said FireFly Farms's head cheese maker, Matt Cedro.

FireFly Farms competition season began on Aug. 7 at the American Cheese Society judging in Austin, Texas. At this silver anniversary judging and competition, cheese makers turned out in record numbers — 197 producers from 32 states, Canada and Mexico entered a historic 1,327 cheeses and cultured dairy products, 119

more than the previous record, set in Burlington, Vt., in 2007.

http://www.times-news.com/local/local_story_296232504.html

American Goat Federation elects officers
The directors of the American Goat Federation have elected their Executive Committee, consisting of President Tom Boyer, Vice President Robin Saum and Secretary/Treasurer Marge Kilkelly.

Boyer is a third-generation rancher from Coalville, Utah. He and his wife Carrie own Chalk Creek Boers. They have a commercial flock of meat goats as well as a flock of registered Rambouillets that has produced several national champions.

Saum of Lancaster, Ohio, is currently serving her fourth term as president of the American Dairy Goat Association, a national dairy goat registry organized in 1904. Saum has been a Saanen dairy goat breeder for 19 years.
<http://www.hpj.com/archives/2009/aug09/aug31/0818officerselectedAGF.cfm?title=American%20Goat%20Federation%20elects%20officers>

Lindsay becomes goat central
The fourth annual International Goat Symposium held in Lindsay this week was a success for participant John Borely, a member of the Trinidad and Tobago Goat and Sheep Society.

"I'm getting a lot from this conference," he told The Lindsay Post on Wednesday while on a break from seminars held at the Lindsay fairgrounds.

He said the goat industry is developing in his country from small backyard producers toward larger farms. He has made contacts to learn how to put on a conference like the Lindsay one and how to help producers coordinate marketing programs.
<http://www.thepost.ca/ArticleDisplay.aspx?e=1699606>

Sheep industry a vital part of our ecosystem
The nation's sheep numbers may be shrinking, yet the role of producers for the remaining 7.05 million head becomes even more important to the future because of the multitude of products provided by the animal, said Glen Fisher, president of the American Sheep Industry Association.

Fisher, a Sutton County rancher, told producers attending the 94th annual Texas Sheep & Goat Raisers' Association convention here over the weekend that sheep help the ecological well-being of the planet. Their grazing helps prevent forest fires and regenerates forests destroyed by blazes. By grazing noxious and toxic weeds, they preserve precious farmlands and maintain healthy habitats for deer, elk and other wildlife.

"Also, the sheep hide and wool are used in the making of luggage, insulation, sports equipment, rug pads and as binders for asphalt, plaster and paint," he said. "The sheep fats and fatty-acids are important ingredients in lotion, hand soap, dish soap, detergents and protein shampoos and conditioners. The bones, horns and hooves of sheep have numerous uses such as: buttons, piano keys, rose food,

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photographic film, cellophane wrap and adhesive tape.”

<http://www.gosanangelo.com/news/2009/aug/03/sheep-industry-a-vital-part-of-our-ecosystem/>

Goats become popular as demand for meat increases 4-H projects are responding to changes in market demand and as a result, the number of goats raised has tripled in the past eight years, agriculture experts said.

While animal projects are up 15 to 20 percent overall, goats are one of the fastest growing projects for 4-H youth, said Kara Colvin, 4-H educator for Warren County. There are 95 meat goat projects at the Warren County Fair this year, compared to 29 in 2001, said Colvin.

There are several reasons for this, according to Colvin. Goats are cheaper than other animals, such as horses, cattle and hogs, to raise because of lower feed costs. They are also easier for younger children to handle because of their smaller size and they have a higher profit margin than large animals.

<http://www.daytondailynews.com/news/dayton-news/goats-become-popular-as-demand-for-meat-increases-218655.html>

Meat goats growing in popularity

Glenda DeShon and her husband started raising meat goats two years ago after looking into options for unused land on her family's farm 14 miles east of Columbia.

“We looked at university and other budgets and compared

cattle, goats and sheep,” DeShon said. “We looked at the money and how much it was going to take to start up and also looked at what animals we could physically manage as we got older.”

One of the main reasons they finally decided on goats was because of the low start-up costs of purchasing the animals. The DeShon's raise commercial Boer goats for meat production. They now have 60 full-blood and Boer-cross does and another 25 young replacement females to add to their herd, which they plan to keep expanding.

<http://www.columbiainmissourian.com/stories/2009/07/23/goat-numbers-rise/>

Some goats serve double duty Barely 20 pounds, Sambo the Nigerian dwarf goat was dwarfed by every other entry in last night's pack goat competition at the Boone County Fair.

The tiny goat followed his owner, Sarah Kelley, like a puppy, but when it came to walking through a kiddie pool of water, Sambo actually bucked off one of his packs before finally making it through the pool. Sambo also was stubborn — and emitted a tiny goat cry — when led to step backward between two poles at the finish line.

“He did pretty good — better than I thought he would,” Sarah, 15, said as she pampered Sambo after the event. The performance earned 90 points and a blue ribbon for Sambo and Sarah, a sophomore from Ashland and a member of the Englewood 4-H Club. The ribbon will join Sarah's

collection of awards from showing horses for the past eight years.

<http://www.columbiatribune.com/news/2009/jul/21/some-goats-serve-double-duty/>

Preserving Angora goat genetics an 'extremely urgent concern'

Preserving Angora goat genetics has become an extremely urgent concern for those interested in the long-term survival of the breed, said Dan Waldron, a longtime geneticist researcher at Texas A&M Research and Extension Center at San Angelo.

“With our rapidly changing world economic situation, a breed such as the Angora goat, that was once in demand and therefore had a substantial population, can quickly fall out of favor,” Waldron said. “This can cause genetic diversity to be lost as ranches switch to a different breed or exit the industry.”

The bulk of the nation's mohair fiber is grown on Angoras on the Edwards Plateau in Southwest Texas. The average Angora goat produces about 5.3 pounds of mohair every six months and is sheared twice per year.

During the peak of demand for fine mohair, top prices for Angora seed stock were driven by fancy garments for the fashion world. In more recent years, the industry has been kept alive because of the Mohair Council of America and the entrance into the mohair carpet business, followed by mohair niche products: socks, saddle blankets, throws, blankets

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and tack.

<http://www.gosanangelo.com/news/2009/jul/13/windmill-preserving-angora-goat-genetics-an/>

International association holds Boer goat show

The 2009 International Boer Goat Association's National Show is once again being held in Duncan, at the Stephens County Fair & Expo Center.

Dakota Ash, 18, of Duncan, has entered the show twice, and has been a member of the IBGA for two years.

"I've been working with goats since I was 5 years old," Ash said. "I got inspired when I was visiting friends one day, and they had some goats. I talked about showing goats with them, and just started from there."

http://www.duncanbanner.com/local/local_story_191000429.html

GTC is expanding its herd of transgenic goats

GTC Biotherapeutics Inc., a Framingham company that made news in February by becoming the first biotechnology firm to win federal approval to manufacture a drug by using genetically modified animals, said it will assume control of transgenic goats that had been developed for Merrimack Pharmaceuticals Inc., a privately held Cambridge company.

Merrimack's goats yield a substance that could be used in potential treatments of such diseases as multiple sclerosis and myasthenia gravis, GTC noted in a press release.

http://www.boston.com/business/ticker/2009/07/gtc_is_expandin.html

Goat raising program aims to meet increase in mutton demand

The Agriculture department is expanding its goat production program to meet the rising demand for goat meat and tap markets abroad, an official said yesterday.

Earlier this month, the Livestock Development Council (LDC) put up a Small Ruminant Center in the municipality of Pugo in La Union.

<http://www.bworldonline.com/BW062909/content.php?id=077>

Sheep, meat goat speakers highlight 2009 Missouri Livestock Symposium
The Missouri Livestock Symposium, for good reason, has become one of the best known and premier events for livestock producers in the United States. Not only is the program free, it features internationally known speakers on all species of livestock, stock dogs, and forages. It also features a well-known keynote speaker in the evening Dec. 4 and concludes with big-time country music to close out the program Dec. 5.

This year's Missouri Livestock Symposium is scheduled for Dec. 4 and 5 at the Kirksville Middle School, 1515 S. Cottage Grove, Kirksville, Mo. Complete program details can be found at www.missourilivestock.com, by calling 660-665-9866, or e-mailing lanen@missouri.edu and putting MLS in the subject line.

The sheep and meat goat program was recently announced by Garry Mathes, chair of the Missouri Livestock Symposium planning

committee. According to Mathes, "we are excited about both the speakers and the topics that have been confirmed for the 2009 Missouri Livestock Symposium." <http://www.hpj.com/archives/2009/nov09/nov2/1015MLsSheepgoatspeakersko.cfm?title=Sheep,%20meat%20goat%20speakers%20highlight%202009%20Missouri%20Livestock%20Symposium>

Goat and chicken meat, healthier alternative

In the face of the ever-rising prices of pork and beer, which, incidentally, are major causes of rising blood pressures to carnivores out there, we might soon have to make do with goat and chicken meat.

One, it's cheaper and healthier. The fact that goats eat grass while chickens thrive on grains, they are indeed healthy eaters than Miss Piggy. Well, cows survive on green grass, too, but the price of beef and subsequently the amount of LPG they consume just to soften the meat for bulalo (beef soup) through hours of boiling can easily raise your dependable Inday's blood pressure. Beef is also categorized under "red meat," a term that über-health-conscious individuals view as not unlike rat poison.

The US Department of Agriculture (USDA) recently reported that goat meat is 50 percent to 65 percent lower in fat than similarly prepared beef, though it has the same protein content.

<http://businessmirror.com.ph/home/life/17877-goat-and-chicken-meat-healthier-alternative.html>

Recent Interesting Articles

[A novel vaccine adjuvant comprised of a synthetic innate defence regulator peptide and CpG oligonucleotide links innate and adaptive immunity](#)
Vaccine, Volume 27, Issue 34, 23 July 2009, Pages 4662-4671

Jason Kindrachuk, Håvard Jenssen, Melissa Elliott, Rebecca Townsend, Anastasia Nijnik, Song F. Lee, Volker Gerds, Lorne A. Babiuk, Scott A. Halperin, Robert E.W. Hancock

[MCC, a new interacting protein for Scrib, is required for cell migration in epithelial cells](#)

FEBS Letters, Volume 583, Issue 14, 21 July 2009, Pages 2326-2332
Camille Arnaud, Michaël Sebbagh, Sébastien Nola, Stéphane Audebert, Ghislain Bidaut, Aurélie Hermant, Odile Gayet, Nelson J. Dusetti, Vincent Ollendorff, Marie-Josée Santoni, Jean-Paul Borg, Patrick Lécine

[Expression profiling of the genes responding to zearalenone and its analogues using estrogen-responsive genes](#)

FEBS Letters, Volume 583, Issue 14, 21 July 2009, Pages 2377-2384
Meher Parveen, Yun Zhu, Ryoiti Kiyama

[Thyroid hormones reverse the UV-induced repression of APP in neuroblastoma cells](#)

FEBS Letters, Volume 583, Issue 14, 21 July 2009, Pages 2401-2406
Ascensión Cuesta, Alberto Zambrano, Eva López, Angel Pascual

[A novel mouse model for immunogenic evaluation of human HBV vaccines](#)

Vaccine, In Press, Uncorrected Proof, Available online 15 July 2009
Ding Ren, Yingjun Guo, Xiaowen

He, Fang Wang, Lei Jiang, Shuxia Song, Ying He, Shuhan Sun

[Genetically different isolates of *Trypanosoma cruzi* elicit different infection dynamics in raccoons \(*Procyon lotor*\) and Virginia opossums \(*Didelphis virginiana*\)](#)

International Journal for Parasitology, In Press, Accepted Manuscript, Available online 14 July 2009
Dawn M. Roellig, Angela E. Ellis, Michael J. Yabsley

[Failure to transmit scrapie infection by transferring preimplantation embryos from naturally infected donor sheep](#)

Theriogenology, In Press, Corrected Proof, Available online 14 July 2009
J.C. Low, J. Chambers, W.A.C. McKelvey, I.J. McKendrick, M. Jeffrey

[Characterisation and immune responses to meningococcal recombinant porin complexes incorporated into liposomes](#)

Vaccine, In Press, Uncorrected Proof, Available online 14 July 2009
Sandra Sánchez, Ana Abel, Juan Marzoa, Andrew Gorringe, Teresa Criado, Carlos M. Ferreirós

[Cynomolgus macaques immunized with two HIV-1 Tat stabilized proteins raise strong and long-lasting immune responses with a pattern of Th1/Th2 response differing from that in mice](#)

Vaccine, In Press, Uncorrected Proof, Available online 14 July 2009
Sabrina Turbant, Frédéric Martinon, Gervaise Moine, Roger Le Grand, Michel Léonetti

[Atypical non-progressive pneumonia in goats](#)

The Veterinary Journal, In Press, Corrected Proof, Available online 12

July 2009

Rosário Gonçalves, Isabel Mariano, Alejandro Núñez, Sandra Branco, Graham Fairfoul, Robin Nicholas

[Selenium tissue distribution changes after ethanol exposure during gestation and lactation: Selenite as a therapy](#)

Food and Chemical Toxicology, In Press, Accepted Manuscript, Available online 11 July 2009

K. Jotty, M.L. Ojeda, F. Nogales, J.M. Rubio, M.L. Murillo, O. Carreras

[Analysis of the fusA2 locus encoding EFG2 in](#)

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stores in China. There are 7 subsidiary international trade companies and over 20 retail stores in Los Angeles and other famous cities abroad. Erdos cashmere products are well sold in North America and European markets. While enhancing brand value, The Group has successfully entered into the

field of men's, women's, down wear, leather and fur, and household textiles. A sound garment production system has come into being.

The Group enjoys great reputation for its solid financial strength, advanced technology and outstanding services. It in turn brings about vigorous dynamic

for The Group. While boosting the business and the industry, Erdos strives for the lofty goal of becoming a world famous brand.

This portion was taken directly from the Erdos site at: <http://www.chinaerdos.com/english/group/default.asp>

IGA Mission: The IGA promotes goat research and development for the benefit of humankind, to alleviate poverty, to promote prosperity and to improve the quality of life.

IGA Vision: IGA is a global network of people and organizations linking research and production by sharing information, experience, and best practices. IGA advocates socially just, environmentally sound and economically viable goat production. IGA promotes regional activities with a global and diversity perspective.

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Commercialisation of South Africa's Indigenous Goats

Written by Merida Roets, IGA member

In South Africa, the development of non-commercialised goat farmers and entrepreneurs and the transformation of the currently fragmented goat industry into a formal mainstream industry have been constrained by historical, institutional, market, information, and research factors. This book demonstrates that the task of integrating non-commercialised goat producers into a national and international agro-industrial goat industry requires several innovations including knowledge of the indigenous resource, product development, market analysis, provision of collection,

transportation and processing infrastructure, and institutional innovations. This analysis should provide useful information for any professional involved in the commercialisation of under-utilised indigenous resources in developed, but especially, developing countries.

About the Author

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Agricultural Research Council.
[Amazon](#) or [Books on Demand](#)



The Nyanza Dairy Goat Farmers Association (NDGFA) is formed in Kenya enterprises.

History

The association was formed in Nov. 2007. It has a steering committee made of 7 men and 4 women by gender and sub-branches.

Its total membership to date is 1,039 (30% males and 70% female member families). All the families have a total of 7500 family dependants.

The association was formed to enable dairy goat farmers to jointly address foreseen dairy goat production and marketing challenges.

For proper coordination of the association's activities, NDGFA has opened an office in Homa Bay, Sonyacco Plaza, 3rd floor, Western Wing. The office has served our members well and we have employed a full time clerk to

assist the association to properly run the office matters.

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