



Midwest Alpaca Owners & Breeders Association

Newsletter

Summer 2011

AT A GLANCE.....

WELCOME NEW MEMBERS

Michael & Sherry Alpert
Awesome Acres Pacas & Pyrs
Oklahoma City, OK

Jerry & Libby Forstner
Magical Farms, Inc.
Litchfield, OH

Lyne Johnson
Sauk Creek Alpacas
Oregon, WI

Hugh & Sara Jane MacLennan
Dundee Farm
Sedalia, CO

Linda McGill
Cuba Road Illinois
Barrington, IL

James & Lorrie McGrew
Windy Plains Alpaca
Arlington, NE

Charlie & Cindy Negen
Monaco Pines Alpaca
Levelland, TX

Ken & Julie Rosenfeld
Renaissance Ridge Alpacas
Mt Aukum, CA

Tim & Diana Timmerman
Aussie Acres Alpacas LLC
Eaton, CO

Michelle Zumwalt
Alpaca Patch
St. Louis, MO



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AT A GLANCE...cont.

MEMBER INFORMATION

Please visit the MOPACA.org Website for updates on:

- Meeting minutes
- Midwest Alpaca Farm website
- Member benefits
- Show information
- Past newsletters
- Herd Sire Gallery

BOARD OF DIRECTORS & OFFICERS

Brian Willsey, *President*

Jim Carr, *Vice President*

Becky Baker, *Secretary*

Dave Binder, *Treasurer*

Don Haus, *Director*

Mary Lickliger, *Director*

Gwen Wolff, *Director*

Calendar of Events

July 9-10

Fiber U, Lebanon, MO

A fun, educational, fiber filled experience including classes, vendors, exhibitions & fiber related competitions. For more information or to volunteer contact: Liz Mitchko at info@whirlwindranch.com or 417-533-5280

June 30

Deadline for Mid America Alpaca Show's Spinoff
See midamerica-alpacashow.com/register.html

October 29-30

Mid America Alpaca Show, Topeka, KS
All profits from the Mid America Alpaca Show benefit veterinary students in alpaca education through the Mid America Alpaca Foundation!

**Check the Website for more information
on seminars and events.**

www.mopaca.org

Fiber U

Please don't let another week go by without registering for Fiber "U" taking place July 9-10, 2011 at the Cowan Civic Center in Lebanon, MO. The deadline has been extended to JUNE 11th! This is an Amazing Educational Opportunity you really don't want to miss, and you can SAVE MONEY too! How?

- 1) MOPACA members save \$10 each on registration fees.
- 2) MOPACA membership meeting is on Sat, July 9th at 5:15 at Fiber "U" - save gas, and attend two events at once!
- 3) FREE shipping of your fiber! (At today's rates that's more than a dollar a pound!) The following resources for alpaca fiber have made Fiber "U" an official collection site. Check individually for packaging and fiber requirements.
 - AFCNA Alpaca Blanket Project [Maya Creek Ecovillage](http://MayaCreekEcovillage.com) afcna.com AlpacaBlanketProject.com MayaCreek.org
 - The following fiber mills will also be at Fiber "U" - please contact them directly with what and how much you will be bringing: The Shepherd's Mill (kansasfiber.com), Ozark Carding Mill (ozarkcarding.com), Flaggy Meadow Fiber Works (flaggymeadowfiberworks.com), West Wind Alpacas & Fiber Mill (alpacasonly.com)
- 4) DISCOUNTED hotel rooms for Fiber "U" attendees.
- 5) THIRTY-ONE outstanding classes to choose from.
- 6) LEARN what YOU can DO with YOUR fiber!
- 7) 30 fiber-related vendors all under one air conditioned roof!
- 8) FREE advertising in the state booths.

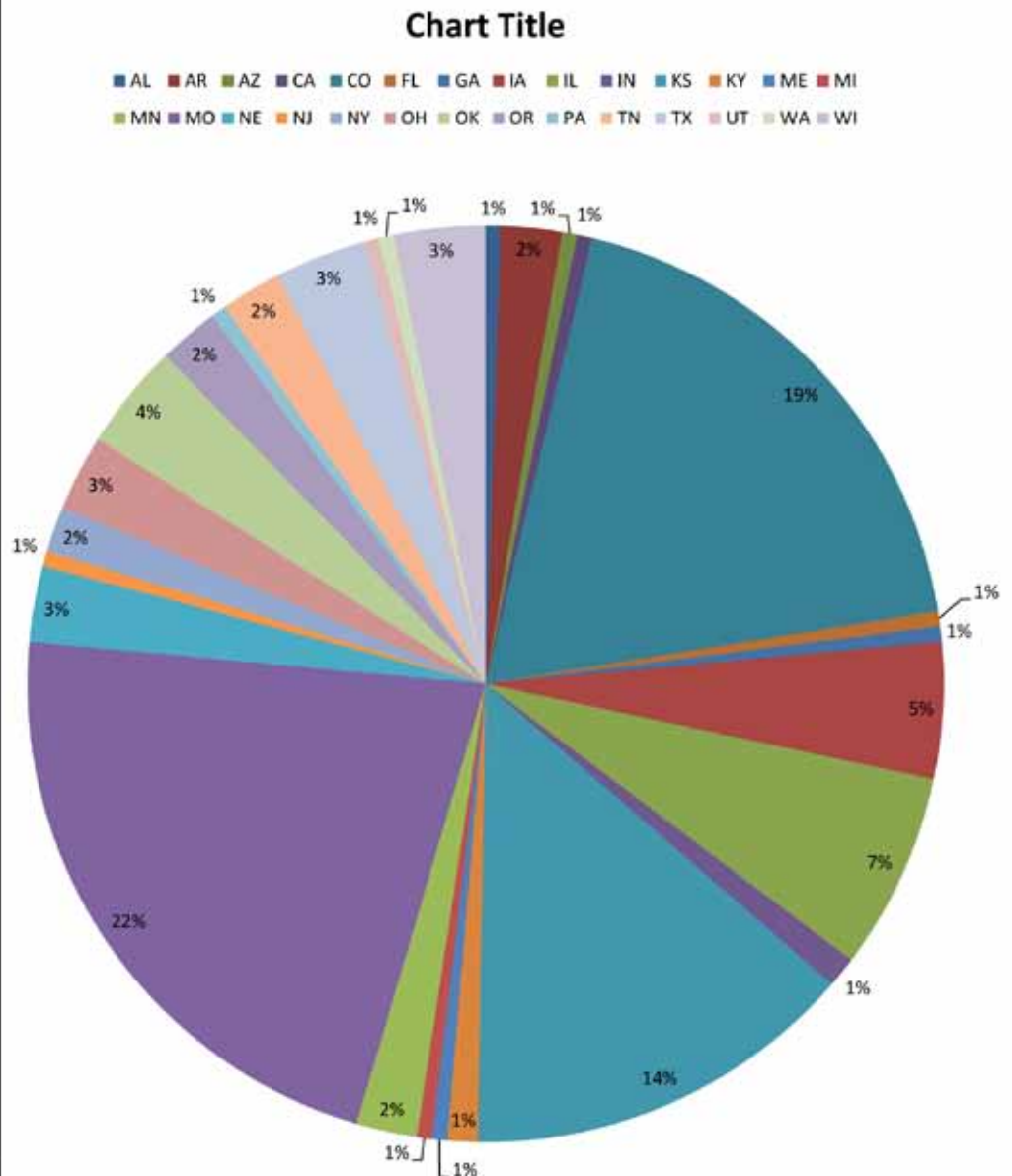
Each participant can use one 81/2" x 11" space for fliers, business cards, coupons, etc. Only rule — one space where everything must lay FLAT on the table. You bring it, place it and pick it up when you leave.
- 9) SHARE a ride or a hotel room- just let us know on your registration form.

Go to WWW.MOPACA.ORG and click on Fiber "U" to register for up to SIX classes for one low price plus any material fees. But hurry — time and space are running out! Any questions? Don't hesitate to ask Liz Mitchko at liz@whirlwindranch.com or call 417-533-5280.

MIAS NEWS

EXHIBITORS AT THE 2011 MOPACA SHOW BY STATE

STATE	PERCENT	# of Exhib.
AL	0.53%	1
AR	2.14%	4
AZ	0.53%	1
CA	0.53%	1
CO	18.72%	35
FL	0.53%	1
GA	0.53%	1
IA	4.81%	9
IL	6.95%	13
IN	1.07%	2
KS	13.90%	26
KY	1.07%	2
ME	0.53%	1
MI	0.53%	1
MN	2.14%	4
MO	21.93%	41
NE	2.67%	5
NJ	0.53%	1
NY	1.60%	3
OH	2.67%	5
OK	3.74%	7
OR	2.14%	4
PA	0.53%	1
TN	2.14%	4
TX	3.21%	6
UT	0.53%	1
WA	0.53%	1
WI	3.21%	6
	28	187



The 2011 MOPACA show was an event to remember! Members, exhibitors, entries, and visitors filled the hall in spite of cold, rainy weather and the chance of snow. Gray skies did not dampen the mood. It was electric!

One of the most impressive elements of this show was representation from all across the United States. Twenty-eight states were represented with some of the finest animals you can find.

For many, one trip around the stalls was not enough to take in the quality of the animals shown there. The opportunity to share information was ample with never-ending conversation in every corner.

Dr. David Anderson opened the show with a presentation at the Meet and Greet showcasing the features of the K-State Vet School link to MOPACA. It was shocking to note that members attended that had not accessed these informative seminars on current diagnosis and treatment of alpacas. Likewise, it was amazing to learn how many members present had profitted from access both in time of need and as an educational tool.

Other educational opportunities were well attended and appreciated. So were the ribbons and accolads!!!!
See our photo page for a brief glimpse of an exciting event.

2011 Show Shots



SURVIVAL OF A TOUGH ONE

Photo by Jim & Susie Carr

Ever have a cria born the first week of February, in a snow storm, and four weeks premature?! AND survive? We have!! At first glance, I thought it was a large pile of alpaca poop. But this pile had ears! We estimated he was a few minutes old when we found him. Body temp was 95.6. We took him into our vet room, wiped him off, warmed him up and weighed him — 18.6 lbs! The dam is 9 years old, births without assistance and had never been more than 4 to 5 days early or late.



Our records indicated an effective breeding in April 1, 2010 and a 340 gestation period lead us to believe her cria was due March 4, 2011. HOW could we possibly be that wrong? His weight would not indicate a premature cria, especially one 4 weeks premie. Maybe it was an April Fool's trick! But here we were with a dried off near normal temp baby, standing at 25 minutes old, being returned to its Mom, only to find Mom did not want anything to do with him!!

Now we knew we were in trouble — a 4 week premie and a mom that has no interest in him. No way can this little guy survive.

We set up a small holding pen in our mud room and prepared to give him a bottle every 20-30 minutes. We administered a drench of Nursemate and then Fasttrack and then a bottle of Sav-A-Kid. He did not take all of the Sav-A-Kid, but it is not Mom's milk either. Bottles every half hour until around 2:00 PM. We then returned him to the dam, who by this time had returned to her usual protective posture with her crias. She let him nurse! We put both Mom and baby boy in the small stall in our vet room, set the temp at 50 degrees and began our watch, still believing we would lose the little guy. Now at 8 hours old he was into everything and going everywhere he could. Certainly not the energy level of a 4 week premature cria.

We kept a constant watch on him for the next 2 days as his weight dropped to 17.1 lbs. We decided to supplement with Sav-A-Kid 3-4 times a day. He was not thrilled with this idea, but we did get him to drink most servings. One observation we made was that he did not know where to put his tongue when sucking! Our fingers were in his mouth more than the nipple! Over the next 2 days he continued to loose weight - now down to 15.3 lbs. Mom was not providing enough milk, or perhaps his inability to get his tongue in the right place was the problem. We increased the Sav-A-Kid feedings to 7-8 per day. On the 8th day he gained 1/4 lb.! As well as, the 9th and 10th days! Then the weight gain moved up to 1/2 lb. for 4 straight days. We cut back on our feedings to let Mom do her thing and to find our if she was getting enough milk to him. She had plenty of milk in 3 quadrants - the fourth was very small.

To cut this long story — today Salem Hills Valentino (born close to Valentine's Day) is a medium brown stunning 51 lb. bundle of non-stop! His fleece is perhaps the best born to us on this ranch. We guess the moral to this story is NEVER GIVE UP ON A PREMIE! It may surprise you and be a champion some day.

That's the story from The Salem Hills Gang, where the women are beautiful, the children above average and the alpacas fine fleeced.



Submitted by Jim & Susie Carr
Salem Hills Alpacas

Dear MOPACA Members,

Many of you know our granddaughter, Katie Gruber. Katie has been an important part of Cedar Hollow Farm Alpacas since she was only eight years old. She's literally grown up in the business. She graduated from high school, a member of the National Honor Society and cum laude, on May 22 and has been accepted at K-State into their Pre-Vet Program. Bob and I would like to thank all of you who have had a part in her life, either by offering her advice, instruction or friendship. Needless to say, we're extremely proud of her and will miss her when she leaves in the fall.

Bob & Nancy Sines
Cedar Hollow Farm Alpacas

Adenovirus Outbreak in Spring, 2011

If your alpacas begin to act somewhat listless and lose interest in their feed, pay close attention. They can die within a few days with just these symptoms. Adenovirus, a respiratory virus, might be the culprit. Although adenovirus was responsible for “the snots” in herds a few years ago, when alpacas had runny noses and some had diarrhea, it can also be the culprit when neither of these symptoms is present. Adenovirus is like the “common cold” because it is complex, has a variety of strains, and is found throughout the country. It affects humans and a variety of animal species. Certain alpacas can be more susceptible than others, just like humans. Presumptively, it is spread from alpaca to alpaca through air droplets. However, looking at the ways it spreads through humans and other animals, it seems possible they may apply to alpacas as well.

Little has been written about adenovirus in alpacas. A few Websites with information from vets are at the end of this article. Dr. Brandon Fraser at Kansas State University Veterinary College has agreed to write more about it based on their experience with our alpaca herd this spring. He said that much of what is known is inside Dr. David Anderson’s head from his vast alpaca experience. We were very fortunate to have help from both Drs. Fraser and Anderson and their team.

On Friday morning, Sienna, a healthy, pregnant four year old, ate breakfast as normal. That evening, she wasn’t as interested. On Saturday, she nibbled at breakfast but didn’t go to her dish for supper. She munched on a little hay that evening. On Sunday, Sienna didn’t eat at either meal and began to act listless. She lay down while the others ate. By Monday, Sienna was pushed in the barn. She was capable of walking but just didn’t feel like getting up.

Naturally, the vet was unable to make a farm call early on Monday morning when I called. He talked me through a differential diagnosis and suggested treatments. I had already given an ivermectin shot in case of meningeal worm; probiotic paste to give her gut a boost, and liquid electrolytes. I added a banamine shot at the vet’s suggestion after confirming that she didn’t have a fever.

The vet agreed that he could work Sienna in at the office mid-afternoon. My teen helpers came to load Sienna into the van. We had to carry her in a towel sling. She began to have seizures. During the ten-minute drive to the office, she died. Instead of doing the normal exam in the van, the vet looked for any signs of the cause, finding absolutely nothing suspicious. We both agreed that a necropsy at Kansas State University was the next step. Tearful, I drove to Manhattan right away. I had been present at Sienna’s conception and her death. I wanted to know what went wrong so that her death might save another’s life.

After doing a complete necropsy, including numerous tissue and fluid samples, cause of death was unknown. A slightly fatty liver was the only finding. This could be expected due to recent lack of appetite.

Ten days later, another four-year-old pregnant female had little interest in breakfast. I watched her carefully all day to confirm my suspicions. She pushed more often than normal and only nibbled at her supper. Kona had earned an

express trip to Kansas State. I was determined not to lose another healthy girl if at all possible.

Kona was thoroughly examined and tested. She was treated for low protein and received many supportive care measures, including IV fluids. She was a very sick alpaca, but nothing was found to point to a specific cause of her illness. A blood sample for mycoplasma haemolamae was sent to Oregon State. Kona’s negative results were slow to arrive because of their testing schedule. Meanwhile, she got better slowly.

A few days after Kona went to K-State, a three-year-old male began to show the same early symptoms of sickness – lack of interest in food and listlessness. My husband needed to catch an early flight, so we loaded Curly and a companion for Kona in the van at 4:30 AM. Once more, the alpaca van headed for Manhattan.

Fortunately, catching Curly’s illness early resulted in his having only a few days of supportive care at K-State. By this point, Dr. David Anderson and the team had been diligently searching for possible causes for our outbreak. Adenovirus was a possibility.

By then, I was watching like a hawk for any signs of illness in the herd at home. When a few females started consuming less, I hit the panic button. There was no way to take 20 girls to K-State! Dr. Meredith Jones talked with me on a Wednesday afternoon about sending out a vet team to our farm. On Friday morning, Dr. Brandon Fraser and three senior vet students arrived. They checked our facility carefully, looking at water, food, hay, pastures and other environmental features. Next, they examined the females and took blood, fecal and nasal samples. They brought rumen along to transfaunate both an old female and a young one who were sickest, and gave them Naxcel shots. None of the males housed in the boys’ barn showed any signs of illness, but the vets examined and sampled a few from each pen. The team returned to K-State with lots of data and samples. This time, they specifically requested a respiratory virus panel test to include adenovirus.

Surprisingly, test results revealed all of the alpacas showed titers for adenovirus – even the males who hadn’t been ill and were housed separately from the females. This confirmed that all of the alpacas were mounting some level of response to the adenovirus.

Naturally, I asked Dr. Fraser what we could do on the farm in case others began to show symptoms. The supportive care he recommended includes the following, to be administered in conjunction with your own vet’s advice. Vets are always welcome to call K-State with questions and to talk over any protocols before deciding on a treatment plan. Supportive care:

- Vitamin E. – 2000 IU natural capsule orally per day – available at the health food store, drugstore, etc.
- Vitamin B complex 5ml Sub Q once
- Vitamin AD&E: one time injection -get specific dosage from vet based on the brand you buy, (vitamin D can be toxic so no guessing)
- Electrolyte water - offer this in addition to plain fresh water.

Cont.

Several other breeders have reported alpacas that have died over the past year from unknown causes. Some have had the same symptoms as ours. I hope all of you will benefit from our experience and the knowledge gained to keep your alpacas healthy. There are too many details to include in this article, so please feel free to contact me if you want to know more.

Gwen Wolff, Alpaca Kingdom, Spring Hill, KS alpacakingdom@embarqmail.com

Adenovirus serology testing at Oregon State

<http://oregonstate.edu/vetmed/diagnostic/llama-adenovirus-serology-sn>

Infectious Camelid Respiratory Disease Affecting Major Areas of US Herds by Dr. Jeff Lakritz

http://www.lamaregistry.com/Respiratory_Virus_in_Camelids.shtml

Liver Disease in Camelids by Dr. David Anderson

<http://www.rmla.com/LiverDisease.htm>

Dr. Chris Cebra comments on adenovirus

<http://www.mulberryalpacas.com/serendipity/archives/726-Alpacas-Adenovirus-Virus-and-Herpesviruses-aka-the-snots.html>

Overview of adenovirus by Adrian Stewart

<http://www.mulberryalpacas.com/serendipity/archives/721-Adenovirus-in-Alpacas-camelids-llamas-part-II.html>

Pete Caffrey
Mid America Alpaca Foundation
PO Box 512
Gardner, KS 66030

Dear Foundation Board,

Greetings from K-State! I just wanted to give you an update on the year's happenings with regards to the Alpacas on Campus Program and the KSU alpaca teaching herd. The herd currently stands at 8 animals, which includes 1 herdsire, 4 females and 3 weanlings. As of yesterday's ultrasound exams, three of our females are pregnant.

The goal of the teaching herd is to provide opportunities for hands-on learning for veterinary students and veterinarians and to advance knowledge and skills in camelid medicine and surgery. A mainstay activity in this is regular trips with 4th year veterinary students out to the herd, where I work with them in physical examination and restraint techniques, blood drawing, catheterization, and other basic skills important for a camelid veterinarian. Dr. Maria Ferrer, our reproductive specialist, also performs ultrasound examinations and other reproductive diagnostics and treatments on the herd with students. Even as I speak, two equine surgery residents and our students are doing some surgical training with the herd animals.

In the fall of 2010, we offered a camelid medicine and surgery elective course to our 2nd year



veterinary students, giving them an early opportunity to become interested and versed in the husbandry and medical management of this species. We had weekly hands-on laboratories where the students could observe and participate in handling, physical exams, reproductive and medical ultrasounding, intravenous catheterization and other skills. The feedback from the course was entirely positive and the students were extremely enthusiastic about the species and the opportunity of such intensive hands-on training. Perhaps the biggest surprise was that, when the course was originally offered, we limited the number of students to 12 in order to make it manageable for the laboratory sessions. In response to tremendous demand, we gradually allowed the ceiling to be raised and ended up with 52 students in the course, which translates to over 40% of the class. Incidentally, we already have 54 students in the next class who have already expressed an interest in taking the course next fall (45% of the class), so now our biggest issue is accommodating them!

The teaching herd has had some other new experiences of the past year – including television and magazine appearances! This

winter, the host of "Ag A.M. in Kansas" accompanied the students and myself on a teaching trip to the herd to obtain some footage that was shown during the show's "Doc Talk" segments regarding alpaca care. Last fall, the teaching herd and its goals were discussed and a cria was photographed for an article in the British knitting magazine, *Simply Knitting*, along with KSU's graphic designer and knitter, Mal Hoover. The impact of this kind of publicity and exposure for the teaching herd, the Mid America Alpaca Foundation and therefore the entire alpaca industry cannot be overstated.

Just yesterday, we sheared the herd. Our trusty and faithful team of Glenn Alpert (Alpacas 'R Diamonds), Jeannette Campbell (Alpacas at Willowbrook Farm) and the kind folks from Tails of Tranquility came and led the charge through shearing, teeth trims, foot trims, vaccinations, fecal exams, and the other "yearly maintenance." Throughout the process, 30-35 veterinary students and even 1 undergraduate student were involved, our largest participation yet! In addition to the students, our food animal intern and internal medicine resident as well as our zoological medicine intern also participated. It was really a great learning experience for everyone and I continue to be grateful for these alpaca owners who volunteer their time and energy, even when they don't have their own alpacas done yet!

cont.

KSU, cont.

All of us here at KSU are so grateful for all the support we receive from the Mid America Alpaca Foundation and alpaca owners here in the Midwest and around the country. We hope that we can repay your perpetual kindness by producing competent and compassionate veterinarians to serve you and your animals and vow to be good stewards of the animals and opportunities you have given us. Here's to another great year!

Meredyth Jones DVM, MS, DACVIM

FIBER TIME



We need to provide raw fiber, roving, or yarn for the 2012 show's fiber arts section. At this year's show, the demonstrations available by fiber artists were a great hit. The floor traffic that stopped and stayed at this display was great, and many were able to have a hands-on experience with alpaca fiber. Artists included knitters, crochet artists, and spinners.

Each donation will be acknowledged by a letter noting the number of pounds donated with a value of \$2.25 per pound for tax purposes. If you have fiber, it can be delivered to Sara at the October Mid-America show in Topeka. It can also be shipped to

Sara Morris
Hidden Lane Alpacas
10270 SW Hidden Lane
Augusta, KS 67010

ACT NOW

SCHOLARSHIPS AVAILABLE

The MOPACA Board has approved a one thousand dollar vet student scholarship at the University of Illinois. Full implementation of this scholarship should take place by early this summer. MOPACA now offers scholarships to vet students at University of Missouri, Kansas State, Oklahoma State and now University of Illinois. These scholarships are awarded to second- and third-year students that have demonstrated a high degree of interest in alpaca health care. This is a great investment for the future of alpacas in America.

In addition, the Mid America Alpaca Foundation offers one thousand dollar externship scholarships at University of Missouri, Kansas State, Oklahoma State and Texas A&M. The Foundation is now making the on-line education program available free to all of the vet schools mentioned in this article.

HERDSIRE GALLERY IS A FREE OPPORTUNITY FOR MEMBERS!



Hi, MOPACA member:

Did you know that almost 400 pages are visited each month on the MOPACA.org web site? Did you know that the Herd Sire Gallery home page is consistently in the top 20 pages? The Herd Sire Gallery is a member benefit that allows you to list up to four (4) herd sires on the MOPACA.org website (see below for guidelines). If you currently have

herd sires listed in the gallery and would like to make changes or submit new ones, please follow the guidelines below. Please have your submissions to the MOPACA office by June 15, 2011.

HERD SIRE GUIDELINES (for posting a herd sire to the gallery at www.mopaca.org)

1. You must be a paid member in good standing with MOPACA.
2. You may submit up to FOUR herd sires that you own, co-own, or have standing stud at your farm.
3. Please email a descriptive paragraph of your stud (50 words or less) to meat.MOPACA@mopaca.org

Your email MUST include the following information:

- . Herd sire's Name:
- . Color:
- . ARI #
- . Date of birth:
- . Description: (50 words or less)
- . Your name:
- . Farm name:
- . Contact information with your website if you have one.

Please submit your information typed in an email or a WORD document attached to the email.

mopaca@mopaca.org

Submit a photo of the herd sire in jpeg format AND attach to the email (please do not send the photo in the body of the email). Do make sure that your photo represents your alpaca in a favorable way. Photo should be a minimum of 300 pixels x 300 pixels x 72 dpi. All submissions and photos are subject to editing. Herd sire updates are four times per year and you will be notified by email of the next update.

Thanks and hope to hear from you soon!

Rosie Newberry
MOPACA Administrative Assistant

KNIT WITS

COIF

by Megan Reardon

This is a small cap which ties underneath the chin. It is worked primarily in stockinette stitch with shaping and edge decoration done on right side rows. The entire cap is worked in one piece from cord to cord. If you would like to make it a little larger, I would recommend buying two balls of yarn, you can make the cords longer as well.



My inspiration was a cap I found in a costume shop years ago, which I believe was supposed to be a Medieval biggen or coif. I like to wear my hair clipped up in back, which doesn't allow for very graceful winter hat wearing. What I like about this is that it will cover my ears without disrupting my hair. Vain, I know.

SIZE

Average adult. [Instructions for making it larger are in the pattern.]

FINISHED MEASUREMENTS

17 inches from the base of one cord to the next [ear to ear]
6 inches across [front of head to back]

MATERIALS

1 ball of bulky spun yarn
1 pair of US #7/4.5mm straight needles [or any length circular if preferred]
1 pair of US #9/5.5mm straight needles [or any length circular if preferred]
Tapestry needle

GAUGE

13 sts/20 Rows = 4" in stockinette stitch

DIRECTIONS

Cord

Using #7 needles CO 2 sts, work in St st for 6 inches, finish on a WS row.

Main hat

Switch to #9 needles.

Row 1: k1, m1, k1

Row 2 and all WS rows: p all.

Row 3: k3

Row 5: k1, m1, k1, m1, k1

Row 7: k2, m1, k1, m1, k2

Row 9: k2, m1, k3, m1, k2

Row 11: k2, m1, k5, m1, k2

Row 13: p3, m1, k5, m1, p3

Row 15: k4, m1, k5, m1, k4

Row 17: p3, k2, m1, k5, m1, k2, p3

Row 19: k all

Row 21: p3, k3, m1, k5, m1, k3, p3

Row 23: k all

Row 25: p3, k4, m1, k5, m1, k4, p3

Row 27: k all

Row 29: p3, k5, m1, k5, m1, k5, p3

Row 31: k all

Row 33: p3, k17, p3

Row 35: k all

Row 37: p3, k17, p3

Row 39: k all

Row 41: p3, k17, p3

Row 43: k all

Row 45: p3, k17, p3

Row 47: k all

Row 49: p3, k17, p3

Row 51: k all

Row 53: p3, k17, p3

Row 55: k all

Row 57: p3, k17, p3

Row 59: k all

Row 61: p3, k17, p3

Row 63: k all

[If you wanted to make the hat a little larger -- longer from ear to ear -- repeat Rows 61 to 64 here.]

Row 65: p3, k5, k2tog, k4, k2tog, k4, p3

Row 67: k all

Row 69: p3, k4, k2tog, k4, k2tog, k3, p3

Row 71: k all

Row 73: p3, k3, k2tog, k4, k2tog, k2, p3

Row 75: k all

Row 77: p3, k2, k2tog, k4, k2tog, k1, p3

Row 79: k4, k2tog, k4, k2tog, k3

Row 81: p3, k2tog, k3, k2tog, p3

Row 83: k2, k2tog, k4, k2tog, k1

Row 85: k1, k2tog, k3, k2tog, k1

Row 87: k1, k2tog, k1, k2tog, k1

Row 89: k1, k2tog, k2tog

Row 91: k3

Row 93: k1, k2tog

Cord

Switch to #7 needles, work St st for 6 inches; BO.

FINISHING

Knot ends of yarn and weave up into the cords.