



Newsletter of the
MARYLAND
SHEEP BREEDERS
ASSOCIATION

FALL 2021

Annual meeting & dinner; prep for 2022

October marks new beginnings for both the Maryland Sheep Breeders Association and the Maryland Sheep & Wool Festival.

MSBA's membership year begins with its Annual Meeting and Dinner on Friday, October 22, and planning for the next Maryland Sheep & Wool Festival already has begun.

The Annual Meeting returns as an in-person event at its usual venue of Dutch's Daughter Restaurant in Frederick, with a dinner buffet, cash bar, guest speaker and those great door prizes. Members already will have received an invitation via email and snail mail.

This year's speaker will be MSBA Board member Jemima (A.J.) Hesketh-Tutton. A.J., who originally hails from the United Kingdom and is one of the demonstrators for the sheepdog demonstrations at the Maryland Sheep & Wool Festival, will be talking about her experiences with working dogs.

MSBA Exchange FB page

Don't forget! As an MSBA member, you're invited to join the closed Facebook group "MSBA Exchange."



It differs from other MSBA (or sheep) groups on Facebook, in that it's not intended as a marketplace, or as a source of information on items related to veterinary care. Rather, it's a forum for exchange of ideas ("what has been everyone's experience with the new fungus for control of barberpole worm?"), services ("anyone know where I can rent a no-till seeder for overseeding my pastures?"), and items to borrow or sell ("help! emergency! granny ewe stole a lamb, and now the real mother is rejecting it—in desperate need of a head gate!"), by/for MSBA members only.

The moderators may also share information pertaining to upcoming symposia of interest to sheep breeders. As the group is locally based, we hope information posted in this group will have particular relevance.

Reminder –
Membership Renewals are Due
The MSBA membership year runs from October 1 – September 30, so it's time to renew! You should have already received an email reminder (or two).
To renew online, either click the link in the email or go to <https://marylandsheepbreeders.org/> and click the "Login" button.
To renew by mail, just send a check for \$25 payable to Maryland Sheep Breeders Association to Kris Thorne, MSBA Membership Chair, 1130 Martin Drive, Westminster, MD 21157. Dues can also be paid along with your annual dinner tickets; see invitation for details.

To register online, go to <http://marylandsheepbreeders.org/activities/annual-dinner/> and click the "Register" button. Your RSVP is needed by October 15th.

On September 29 the Maryland Sheep & Wool Festival Committee held its kickoff meeting for the 49th annual festival, which is scheduled for May 7 and 8, 2022.

"After two years of virtual festivals, we are eagerly anticipating a return to our usual in-person festival format in May," said Festival general manager Kris Thorne.

Also, watch for an announcement soon about a new Maryland Sheep & Wool Festival Winterfest—two days of online fiber arts seminars to be held in late January.

In This Issue

- 1 Annual meeting
- 1 49th Festival kickoff
- 1 MSBA Exchange
- 2 President's message
- 3 OTC rule advances
- 3 New Covid dollars available
- 3 CFAP Region II
- 4 The right antibiotic, the right dose
- 8 Lamb transportation
- 8 Anchoring hay tarps
- 9 Spring shepherds' market
- 10 Fibershed textile challenge begins
- 10 Millennials and ethnic markets will drive future demand
- 11 MIWW Oct. 16
- 11 MSBA Scholarship winners shine
- 12 Recipes: Co-op market chef challenge
- 14 Shearing school
- 14 Remembering MSBA life member Edith Miller

MARYLAND
SHEEP & WOOL
FESTIVAL



President's Message

Inching
back
to almost
normal

Jeff White is
President of MSBA

Hello, fellow shepherds! It is so good to say life has slowly headed back to normal this year. We went a little crazy and had a mason build us a wood-fired pizza oven. I am now cooking just about everything in it, including lots of lamb recipes.

I hope all of you weathered being stuck at home and made the best of it.

We have been fully vaccinated and hopefully everyone else has or plans to do so. What a sense of relief! It has been a pleasure getting together again with friends.

Our 2021 virtual Maryland Sheep & Wool Festival went very well, with the online seminars especially popular. According to reports our vendors were happy, and we are already getting return vendor applications for next year.

New vendor applications for the 2022 festival were available online in June. As of October we had 63 new vendor applications for maybe 10 or so open spots. Typically spots only open when a vendor retires. Our festival is so popular the vendors look forward to it as much as I do. As I said before, an in-person festival next May will be like a holiday for me. I get so much energy from being around the enthusiastic and highly motivated people that the festival brings together.

But for now, the hay is in the barn, the ewes are settled, and we prepare for autumn.

I hope we'll see you all at our annual dinner, Friday, October 22, at Dutch's Daughter. You should have received an email invitation to the event. Here are some details:

6-7 p.m. Reception & Happy Hour (Appetizers & Cash Bar)

7-8 p.m. Dinner Buffet

8-10 p.m. Program (including Guest Speaker, Election of MSBA Officers and Board Members, door prizes, and more)

Cost: \$25 per person, \$15 for children under 12.

Our guest speaker is MSBA board member Jemima (A.J.) Hesketh-Tutton. A.J., who

originally hails from the United Kingdom and is one of the demonstrators for the sheepdog demonstrations at the Festival, will be talking about her experiences with working dogs.

Please plan on attending in what should be a very enjoyable evening with time to mingle, share and chat! *And please respond by October 15*, so we can provide the restaurant with final numbers!

To register online, go to <https://marylandsheepbreeders.org/activities/annual-dinner/> and click the “Register” button.

Let make this a special time, since it has been so long since we have gotten together.

I hope everyone had a good lambing season without a lot of drama. I did call the vet once (it turned out well). We have such good vets! And need I mention we have such good shearers? You know we all appreciate you.

Take care and see you at our annual dinner.

-Jeff



Maryland Sheep News is published three times a year by the Maryland Sheep Breeders Association, Inc., and is sent to MSBA members. See back page for membership application.

Ad Rates

Size	Specs (inches)	Price
Full page	7.5 x 9.5	\$95, \$320/year
Half vert.	3.3 x 9.5	\$60, \$200/year
Half horiz.	7.5 x 4.25	
Third	7.5 x 3	\$45, \$150/year
Quarter	3.3 x 4.25	\$30, \$100/year
Biz card	3.3 x 2	\$15, \$50/year
Classified	230 characters	\$10

Acceptable formats are PDFs, Word docs or jpegs.

Issue deadlines for ads and copy:

Winter January 1 Summer May 12
Fall September 12

Send copy to :
Martha Polkey, Editor
sheep@budiansky.com

Send payment to:
Treasurer, MSBA
1126 Slingluff Lane
New Windsor, MD 21776

In June the U.S. Food and Drug Administration announced that it had finalized guidance for industry to outline the process for animal drug sponsors to voluntarily change the approved marketing status of certain medically important antimicrobial drugs from over-the-counter (OTC) to prescription (Rx). Once this change is made, in about two years, these important drugs can only be used in animals under the supervision of a licensed veterinarian.

“The agency is committed to working with affected stakeholders to facilitate the transition process and to minimize impacts on animal health. During the two-year timeframe for implementation recommended in GFI #263, FDA plans to work with affected stakeholders and state partners to answer questions about the voluntary transition process and provide assistance where possible,” states the press release about the milestone.

Included antibiotics are tetracyclines (LA-200®, Bio-Mycin®), penicillins, spectinomycin (Scour-Halt®, SpectoGard™)—bottles of which are in most shepherds’ medicine kits. This draft guidance is, the agency states, “consistent with FDA’s recommendation that the use of such drugs in animals be limited to uses that include veterinary oversight in order to mitigate development of antimicrobial resistance and thereby preserve the effectiveness of these drugs for use as therapies to treat infections in humans and animals.”

Once the recommendations in the directive have been fully implemented, all dosage forms of medically important antimicrobials approved for use in animals can only be administered under

National news & views



the supervision of a licensed veterinarian, and only when necessary for the treatment, control or prevention of specific diseases. Although animal owners would still have access to medically important antimicrobials to address animal health issues, they would need to consult their veterinarian to obtain a prescription.

A USDA FAQ page states: “Obtaining these drugs under a veterinarian’s supervision can help guide the judicious use of antimicrobials and slow the development of antimicrobial resistance (AMR) because veterinarians have specialized training and experience. Sometimes antimicrobial drugs may not be necessary for proper treatment or a different antimicrobial may be a better tool than the one you’re used to using. Providing animals with the most appropriate antimicrobial is more likely to effectively resolve the infection and reduce the need for repeated or extended courses of antimicrobial therapy. This will not only help to reduce AMR risks, but will help to ensure better health outcomes for animals and can also save time and money.” More information can be found at <https://www.fda.gov/animal-veterinary/judicious-use-antimicrobials/gfi-263-frequently-asked-questions-farmers-and-ranchers>.

OTC drug removal process advances

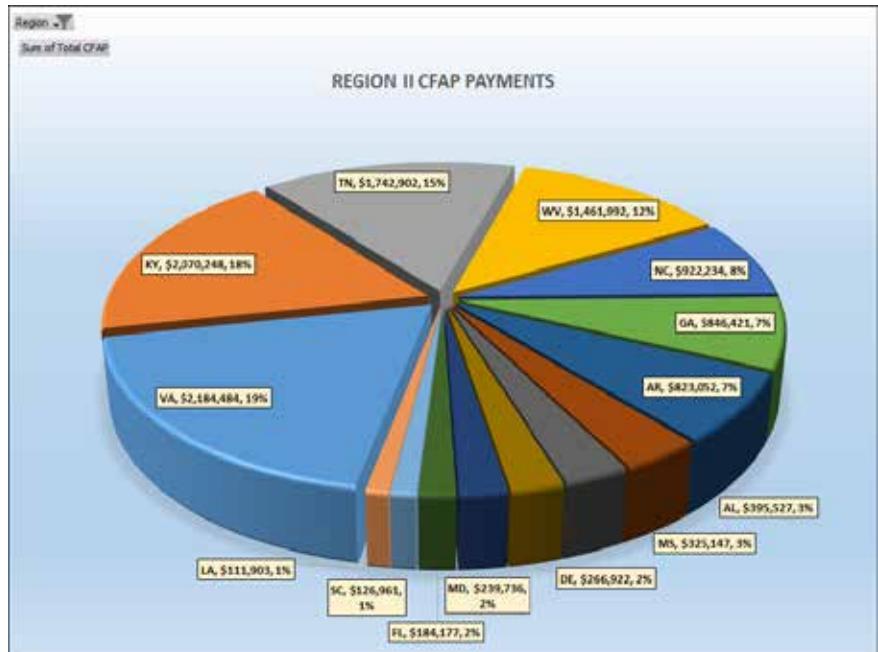
First round CFAP

The below chart illustrates what ASI Region II director Lisa Weeks reported this spring: “The Coronavirus Food Assistance Program payments were a big help to many of us. The attached chart details how many dollars were distributed in each of our states in Region II. All fourteen states in our Region benefited.”

Small-scale farmers, food processors or distributors, or farmers markets financially impacted by Covid-19 can now apply for up to \$20,000 to recover costs related to the pandemic.

More recovery funds The National Center for Appropriate Technology (NCAT) is helping food producers access these dollars through the USDA’s Pandemic Response and Safety Grant Program. Applications are now open until Nov. 22, 2021.

The grants will be awarded based on eligibility and are for pandemic-related changes a business may wish or need to make in response to the pandemic, in the following areas: workplace safety, market pivots, retrofitting facilities, transportation, worker housing, and medical. More information is available at <https://usda-prs.grantsolutions.gov/usda>.





Management

The best antibiotic at the right dose

Dr. Kevin Pelzer

*is a professor in the
Virginia-Maryland School
of Veterinary Medicine*

Antimicrobial –
Drugs having activity against a variety of microorganisms including bacteria, viruses, fungi, and parasites.

Antibiotic or antibacterial –
Antimicrobial drugs that have specific activity against bacteria.

The judicious use of antimicrobials is critical to the prevention of resistance in bacteria. What is meant by judicious or appropriate use of antimicrobials?

- Antibiotic use is confined to only when an antibiotic is needed to treat an animal's condition.
- The specific antimicrobial product is the most appropriate for that condition. This requires a diagnosis, bacterial identification, and antimicrobial sensitivity.
- Administering the correct dose.
- Administering the correct frequency and duration.
- The antimicrobial is given via the correct route: intramuscular (IM), subcutaneous (SQ), intravenous (IV), or orally.

There are few antibiotics approved for use in sheep and goats. In order for a drug to be approved for usage in a species, studies must be conducted to determine

- if the drug works,
- what the dose should be,
- whether there are any safety issues (reactions), and
- what the withdrawal times are for meat and milk.

Pharmaceutical companies are not willing to spend what it would take to conduct all of this testing, because they will never sell enough to the small ruminant industry to recoup their costs. As a result, most drugs used in the sheep and goat industries are used in an extra-label fashion.

So what is extra-label usage? Extra-label usage occurs when a drug is administered in any manner that is not stated on the label. In other words, the use in a species or production class

not on the label, use of a different route of administration, indication, frequency, dose, or duration.

If one gives an animal a drug not approved for that species, to treat a condition that the drug is not approved for, given at a different dose, route, or frequency than listed on the label, then that drug is being used in an extra-label manner. It is illegal to use drugs in any manner other than what is stated on the label.

But—veterinarians can use drugs in an extra-label fashion if a set of criteria is met. The first criteria is that the veterinarian and client must have a veterinary-client-patient-relationship (VCPR). Criteria for a VCPR is:

1. The licensed veterinarian has assumed the responsibility for making medical judgments regarding the health of the patient(s) and the need for medical therapy and has instructed the client on a course of therapy appropriate to the circumstance.
2. The veterinarian has sufficient knowledge of the patient(s) to initiate at least a general or preliminary diagnosis of the medical condition(s) of the patient(s).
3. The client has agreed to follow the licensed veterinarian's recommendations.
4. The licensed veterinarian is readily available for follow up evaluation or has arranged for:
 - a. emergency or urgent care coverage, or
 - b. continuing care and treatment has been designated by the veterinarian with the prior relationship to a licensed veterinarian who has access to the patient's medical records and/or who can provide reasonable and appropriate medical care.
5. The veterinarian provides oversight of treatment.
6. Such a relationship can exist only when the veterinarian has performed a timely physical examination of the patient(s) or is personally acquainted with the keeping and care of the patient(s) by virtue of medically appropriate and timely visits to the operation where the patient(s) is(are) kept or both.
7. Patient records are maintained.

"SHOW YOUR VET THIS ARTICLE. Because the drugs that I'll discuss here are used in an extra-label fashion, before using any of these products related to the information contained within this article, you must have approval from your veterinarian."

Because the drugs that I'll discuss here are used in an extra-label fashion, before using any of these products related to the information contained within this article, you must have approval from your veterinarian. I am *not* your veterinarian (see item 6 in the VCPR criteria).

Penicillin

Penicillin has been around since 1920. Resistance to this antibiotic was seen in the 1950s and with continued use, most bacteria are resistant to the drug. Conditions for which penicillin was initially approved no longer respond to treatment with penicillin (pneumonia, for example).

Procaine Penicillin G is an aqueous solution of penicillin and procaine, an anesthetic agent. The amount of penicillin in 1 mL or cc of Procaine



Pen G is 300,000 IU. The labeled dosage on the bottle is 3000 IU per pound of body weight, which is equivalent to 1 cc per 100 lb of body weight. The label states it should be given given intramuscularly once a day.

Although the labeled dose for penicillin is 1 mL per 100 lb, because of resistance, veterinarians recommend a dosage of 3.3 mL per

100 lb, more than three times the labeled dose. At this dose, penicillin is being used in an extra label fashion. Veterinarians also often recommend that the penicillin be given twice a day—again, extra-label usage of the drug. Injections can be given in the muscle (intramuscularly) or under the skin (subcutaneously). The preferred injection site is the neck region, in front of the shoulder. The injection site should be different each time an injection is given, and no more than 10 mL should be given in any one site.

Because of the higher dose and frequency of use, the withdrawal time for meat is 28 days. Milk should be tested for penicillin residue prior to human consumption.

Because of antimicrobial resistance to penicillin, there are a limited number of conditions that will respond to the use of penicillin. These are:

- foot rot
- foot scald
- listeriosis
- mastitis
- metritis, uterine infections
- wounds

It is inappropriate to use penicillin for other conditions, because it is very unlikely the penicillin will have any effect and its use could further antimicrobial resistance.

◀ Management

Tetracycline
Brand names include LA 200, Bio-Mycin 200, Noromycin 300, Vetricimycin 100.

It has been available since the early 1950s. Just like penicillin, there is a lot of antimicrobial resistance to tetracycline. I can find no injectable tetracycline product labeled for small ruminants in the United States. Therefore, all use of tetracycline in small ruminants is extra label.

There are various products on the market with various concentrations. The good news is that

Appropriate antibiotic use in sheep by condition

Condition	Drug	Trade name(s)
Bone/joint infections	Florfenicol	Nuflor
Chlamydial abortion	Tetracycline	LA 200, Bio-Mycin 200, Noromycin 300, Vetricimycin 10
Diarrhea (lamb less than 5 days old)	Ceftiofur	Naxcel, Exenel, Excede
Diarrhea (animal has fever >103 °F)	Florfenicol	Nuflor
Encephalitis	Florfeniol	Nuflor
Listeriosis	Penicillin Tetracycline Florfenicol	Penn G, Procaine Penicillin LA 200, Bio-Mycin 200, Noromycin 300, Vetricimycin 10 Nuflor
Mastitis	Penicillin	Penn G, Procaine Penicillin
Metritis	Penicillin	Penn G, Procaine Penicillin
Foot rot, foot scald	Penicillin	Penn G, Procaine Penicillin
Mycoplasma in goat kids	Tylosin	Tylan 200
Peritonitis	Florfenicol	Nuflor
Pinkeye	Tetracycline	LA 200, Bio-Mycin 200, Noromycin 300, Vetricimycin 10, Terramycin (ophthalmic ointment)
Pneumonia	Ceftiofur Florfenicol Tulathromycin Gamithromycin Tildipirosin	Naxcel, Exenel, Excede Nuflor Draxin Zactran Zuprevo
Soremouth	Penicillin	Penn G, Procaine Penicillin
Swollen joints	Florfenicol	Nuflor
Uterine infections	Ceftiofur	Naxcel, Exenel, Excede
Wounds	Penicillin Tetracycline	Penn G, Procaine Penicillin LA 200, Bio-Mycin 200, Noromycin 300, Vetricimycin 10

Management ►

the dose that is listed for cattle on the label is the same dose for small ruminants. Tetracyclines are irritating and do cause muscle damage if injected into the muscle. Most products are labeled for subcutaneous injection. Even when given subcutaneously, it is not unusual to notice a swelling a day or so after the injection at the injection site.

Most products are “long acting,” meaning that the drug blood levels remain high for 2 to 3 days after an injection. Most veterinarians suggest redosing every 48 hours in small ruminants, as they metabolize tetracycline a little faster than cattle.

The dose for the 200 mg/mL preparations are 4.5 mL/100 lb subcutaneously. Injections should be given in the neck area in front of the shoulder, no more than 5 mLs in one spot.

Withdrawal period: 35 days from last injection.
Appropriate diseases to treat with tetracycline:

- foot rot, foot scald



- listeria
- wounds, cuts
- chlamydial abortion
- pinkeye.

Although tetracycline is labeled for pneumonia, the organisms involved are now resistant to the tetracyclines. There is very little if any success in treating pneumonia with tetracycline.

Tylosin

Tylosin (Tylan 200) is an antibiotic used mainly in swine but can be used in cattle. It is labeled for respiratory disease and foot rot. Most respiratory bacteria are resistant to tylosin. It may be effective for mycoplasma pneumonia, but mycoplasma pneumonia is only a problem in goats, not sheep. Because of the narrow scope of use of tylosin, penicillin and tetracyclines would be better options.

Ceftiofur

Trade names for ceftiofur are Naxcel, Excenel, or Excede. It is a cephalosporin, and is approved for

Appropriate antibiotic use in sheep: Uses, dosage, withdrawal periods

Antibiotic	Trade name(s)	Dosage	Est. cost*	With-drawal	Appropriate uses	Inappropriate uses	Notes
Penicillin	Pen G, Procaine Penicillin	3.3 cc/100 lb twice daily, IM or SQ	13¢/mL \$1.04/day x 5 = \$5.20	28 days	Foot rot, foot scald, listeriosis, mastitis, metritis, uterine infections, wounds	Pneumonia, diarrhea, anemia, abscesses, and anything else not listed at left	OTC.** Shake bottle thoroughly to distribute constituents
Tetracycline	LA 200, Bio-Mycin 200, Noromycin 300, Vетrimycin 10	4.5 mL/100 lb every other day, SQ	21¢/mL \$1.37/day x 2 = \$2.74	34 days	Foot rot, foot scald, listeriosis, wounds, chamydial abortion, pinkeye	Pneumonia, diarrhea, anemia, abscesses, and anything else not listed at left	OTC**
Tylosin	Tylan	5 mL/100 lb once daily, IM	18¢/mL \$1.17 x 5 = \$5.85	28 days	Mycoplasma pneumonia in goats	Everything else	Prescription
Ceftiofur (Cephalosporin)	Naxcel, Excenel, Excede	.5-1 mL/50-100 lb IM .5-1 mL/50-100 lb SQ 1.5 mL/100 lb SQ once daily	95¢/mL \$1.24-\$2.40/day x 4 = \$4.96-\$9.92	5 days 21 days 28 days	Lamb diarrhea less than 5 days of age, pneumonia, uterine infections	Diarrhea, anemia, abscesses, and anything else not listed at left	Prescription. Shake bottle thor-oughly to distribute constituents
Florfenicol	Nuflor	3 mL/100 lb IM or 6 mL/100 lb SQ 2 doses 48 hours apart	82¢/mL \$6.40	45 days	Foot rot, foot scald, pneumonia, peritonitis, swollen joints, bone infections, listeriosis, diarrhea (if fever >103 °F), encephalitis	Skin infections, anemia, abscesses, and anything else not listed at left	Prescription
Tulathromycin	Draxin	1.1 mL/100 lb, SQ	\$4.89/mL = \$7.00	54 days	Pneumonia	Everything else	Prescription
Gamithromycin	Zactran	2 mL/110 lb, SQ	\$1.99/mL = \$4.70	90 days	Foot rot, pneumonia	Everything else	Prescription
Tildipirosin	Zuprevo	1 mL/100 lb, SQ	\$4.71/mL = \$6.12	54 days	Pneumonia	Everything else	Prescription

* Based on an average weight of 130 lb.

** Over the counter as of May 2021.

sheep (Naxcel) to treat respiratory disease. Naxcel must be refrigerated, reconstituted, and has a short shelf life (7 days). It is given daily. Excenel is a suspension, has a relatively long shelf life and is given daily. Excede is similar to Excenel but is administered every 7 days. It must be shaken vigorously to resuspend the drug. Dose: 0.5 to 1 mg per pound body weight, or 1 mL per 50–100 lb body weight once a day for Naxcel (IM) and Excenel (SQ). Excede is 1.5 mL per 100 lb (SQ at base of ear). Naxcel withdrawal time is 5 days; Excenel withdrawal time is 21 days; Excede withdrawal time is 28 days.

Appropriate diseases to treat with:

- lamb diarrhea less than 5 days of age
- pneumonia
- uterine infections (in my opinion, penicillin works better).

Florfenicol

Trade name: Nuflor. It came on the market in 1996, and is related to chloramphenicol, but does not have the negative side effects. Is an extra-label use in sheep. It stings, especially in goats. Resflor is a combination of Nuflor and Banamine.

The dose is 3 mL/100 lb every 48 hours (two injections) and it is given intramuscularly or 6 mL/100 lb subcutaneously. Withdrawal time is 42 days for sheep. (For cattle it is 38 days.)

Appropriate diseases to treat with:

- pneumonia
- foot rot, foot scald
- peritonitis
- swollen joints
- bone infections
- listeriosis
- diarrhea, if animal has fever above 103 F
- encephalitis



Eventually, the remaining OTC antibiotics—tylosin, penicillin, and tetracycline—will no longer be available for purchase without a prescription from a veterinarian.

tissue and so are specifically made for respiratory disease.

Tulathromycin. Trade name: Draxin. Around 2008, there was an article about using Draxin for the treatment of Caseous lymphadenitis (CL). The bottom line was that it didn't perform any better than penicillin or just lancing the abscess. In other words, there is no real treatment for CL.

The dose is 1.1 mL/100 lb subcutaneously, one time. The withdrawal time is 54 days. Pneumonia can be treated with Draxin.

Tildipirosin. Trade name is Zuprevo. Dose is 1 mL/100 lb. Withdrawal period is 54 days. Pneumonia can be treated with Zuprevo.

Gamithromycin. Trade name: Zactran. Around 2017, an article from Germany described the use of Zactran to eliminate foot rot from a flock of sheep. Zactran works well in treating foot rot but is expensive.

The dose is 2 mL/100 lb subcutaneously, one time—it lasts for 10 days. The withdrawal period is 90 days. Pneumonia and foot rot can be treated with Zactran.

The fate of over-the-counter drugs

As a result of the amount of unregulated use of antibiotics in feed and the concern for antimicrobial resistance, in 2017 the FDA instituted a voluntary ban on subtherapeutic use of antibiotics in feed. Up to that point antibiotics were used in a subtherapeutic way for growth promotion, not disease prevention or treatment. Feed companies complied by removing the use of subtherapeutic antibiotics off of their drug labels. Only antibiotics that have a label for use in feed can be added to feed—there is no extra-label use.

Also, the FDA wanted some type of oversight in the use of therapeutic, medically important antibiotics in feed. It gave this oversight role to veterinarians. Now in order to have a medically important antibiotic added to feed, a veterinarian must write a Veterinary Feed Directive (VFD). The VFD is then taken to the feed mill and feed can be mixed accordingly, or the producer can acquire feed grade antibiotic to mix their own feed. In order for a VFD to be written, a veterinary-client-patient relationship must exist. The VFD is valid for 6 months. The feed mill and the veterinarian are required to keep records of the VFD for 2 years.

◀ Management

Management ▶

The FDA has concern not only about medically important antibiotics in feed, but their usage in animals for all reasons. The FDA's goal is to remove all over-the-counter (OTC) antibiotics by 2023. Canada removed all OTC drugs around 2017. In 2018, California did the same and, currently a prescription from a California-licensed veterinarian (within a valid veterinarian-client-patient relationship [VCPR]) is required for the use of all medically important antibiotics in California livestock.

So eventually, the remaining OTC antibiotics—tylosin, penicillin, and tetracycline—will no longer be available for purchase without a prescription from a veterinarian. Producers needing to purchase antibiotics will need to

obtain them from their veterinarian or have their veterinarian write a prescription and producers can decide where they want to purchase the antibiotics.

So we are back to that veterinary-client-patient-relationship. A yearly vet visit will allow your vet to view your operation, management, and stock, and feel confident in providing you with drugs or a prescription when you phone about a sick sheep.

That yearly visit also allows the vet to abide by the rules: A drug cannot be prescribed for a period of time longer than one year from the date the veterinarian examined the animal(s) without examining the animal or the premises again.

December 28, 2020

Your ewes could be lambulance chasers



Safely carrying several slimy newborn lambs at once to a mothering pen while getting a skittish ewe to follow can be a challenge.

There's the back-straining, walking backwards slowly while bent over holding lambs at ewe nose level method. Then there's the lamb sling, but loading it with twins or triplets can be tricky, and they sometimes slide out midway during the slow walk to the barn.

So when a friend of National Center for Appropriate Technology (NCAT) Regenerative Grazing Specialist Linda Poole saw a video of a milk crate on wheels being used to move lambs, she and Linda raided the scrap pile and assembled their own versions.

Poole's lambulance is roomy enough for quadruplets, yet narrow enough to fit through gates in a crowded lambing barn. Something



about the contraption turns new mothers into lambulance chasers, sticking with their babies while the lambs get a comfy ride to the barn.

You can watch a YouTube video of the lambulance in action at https://www.youtube.com/watch?v=LlnFPqb5o3k&ab_channel=NCATATTTRA

The video was produced by the NCAT through the ATTRA Sustainable Agriculture program, under a cooperative agreement with USDA Rural Development.

For more sustainable-agriculture resources, including podcasts, publications, webinars, videos, databases and a free "Ask an Ag Expert" hotline, visit the ATTRA webpage at attra.ncat.org.

Storing round bales outside?

Covering bales with tarps preserves bale quality and reduces loss, but keeping them on in high winds can be a challenge. Hay anchors are one solution. Use bungee cords or twine to attach the tarps to them. Gempler's sells a package of 12 for about \$40.



Were your sales impacted last and this year by the lack of fiber festivals, fairs, weddings, and other gatherings? Ours were too and we thought of a new way of bringing our wares to the public: A special Shepherds' Farm Market! It was the brainchild of Polly Matzinger, brought into the real world by Patty Sanville, and launched on April 3, 2021, at the Frederick County Fairgrounds (home of The Great Frederick Fair).

Because Patty and Polly are respectively President and Vice President of the Frederick County Sheep Breeders, and also happen to sit on the board of the Maryland Sheep Breeders Association, they brought the idea to life for both memberships. It was an opportunity for the members to get their products into the hands of customers, to educate the public and to meet their fellow producers from the two organizations.

On the day, 26 shepherds representing the two associations gathered on the fairgrounds and set up tents and tables to showcase their products in this First Annual Shepherds' Farm Market. Those who didn't have their own tents rented some from the fairgrounds (for the minimal cost of \$15), and those who didn't have their own tables and chairs were loaned some for free. The Fairgrounds staff, in effect, did everything they could to make this a successful event, even moving some bright yellow jersey barriers to mark out and protect the space.

The shepherds brought all kinds of products raised on their farms. There were fleeces, yarn, pelts, finished toys, and garments. One shepherd brought amazing sheep milk cheeses. One shepherd also has a brewery on their farm and brought beer and ciders. There were several meat producers selling lamb cuts for the holidays and upcoming barbecue season. There was a fiber mill that not only sold the fiber products they produce, but were willing to transport raw fleeces back to the mill, saving producers the time and



Marketing

gas to get our fleeces to them. Several shepherds produced soaps and lotions. There were also infused olive oils, baked goods, fall fruits, honey, and spring vegetable seedlings.

The product diversity was exciting. We felt a warm connection as a community, and, almost without exception, the vendors enjoyed it, were successful, and want to do it again. We received many thank yous from customers and vendors alike.

We have collected data from a survey we sent to this year's participants as we look ahead to future shepherds' farm markets. One question that everyone (so far) has answered with a definite "yes" is the addition of a food truck. So, we'll add that next year, along with the potential for a face painter and perhaps music. We also have space for more vendors, and, of course, the more we have, the greater potential for an even wider diversity of products, which should bring in even more customers.

Please reach out to either of us if you would like to participate in future reincarnations of the market or have further input (all ideas appreciated!). If you would like to help us put on the event next time, we would welcome few more hands/brains/eyes and enthusiastic ideas.

Polly Matzinger amblingbrookfarm@gmail.com
240-444-2047; Patty Sanville patriciasanville@gmail.com 240-357-1437

Shepherds' market brightens April in Frederick

Patty Sanville

is an MSBA board member and ASI representative.

Customers shopped for yarn, pelts, cheeses and other farm products from MSBA and FCSBA members on a chilly day in April.



Marketing ▶

Chesapeake Fibershed launches textile challenge

The Chesapeake Fibershed has just launched a sustainability challenge: Sustainable Cloth—Farm to Home & Closet. This challenge supports the fibershed's goals of education, community-building, and raising awareness of textile sustainability, and aims to foster new habits of textile consumerism. The participants are challenged to repurpose or create a wearable or household item from natural materials within our fibershed, which follows the boundaries of the Chesapeake Bay Watershed (extending from portions of New York State, down through Pennsylvania, Maryland, Delaware, West Virginia and Virginia).

The challenge runs October 2021 through October 31, 2022. Participants can start/finish in any timeframe within that 12-month period.

The mission of the Chesapeake Fibershed is to create a regional network between fiber producers, mills, dyers, artisans, and enthusiasts in the Chesapeake Bay Watershed region. By connecting this local supply chain, it seeks to unify local resources and promote environmentally sustainable practices. The Chesapeake Fibershed is an affiliate of Fibershed.org.

The challenge supports several ways to participate, uniquely entitled Embracing, Re-envisioning, and Borrowing. These are characterized following the watershed theme that describes the Chesapeake Fibershed region.



CHESAPEAKEFIBERSHED.COM

- **Embracing** is for the purist seeking to create cloth that is wholly natural from within our fibershed.

- The **Borrowing** research stream may utilize resources beyond our regional border for materials that are necessary but not made here, like linen fiber, for example.

- **Re-envisioning** seeks to extend the life of our clothing by patching or repurposing fabric to keep textiles out of our landfills as long as possible.

The participants will meet monthly to document their journeys, share research ideas and results, and build and strengthen the community. It is open to anyone residing in the Chesapeake Bay Watershed.

At the challenge's conclusion, the creations of participants will be compiled into an online book, and works will be exhibited in a virtual or live fashion show (subject to whether pandemic guidelines remain in place in the latter portion of 2022).

For more information please visit <https://chesapeakefibershed.com> and click on the Programs tab to navigate to the Challenge. There is no fee to participate. Simply register online. The Zoom session rolling out the challenge was recorded; after you've registered, email chesapeakefibershed@gmail.com for instructions on how to access it.

Future outlook: millennials and non-traditional markets

Access the 2020 Virginia Sheep Producers Symposium Proceedings PDF as well as recordings of the symposium here: <https://www.apsc.vt.edu/extensionandoutreach/Sheep-Extension/sheep-programs/shepherds-symposium.html>

Texas AgriLife Extension Assistant Professor R. Reid Redden shared the potential for lamb consumption growth and lamb marketing in nontraditional sectors at the 2021 Virginia Shepherds' Symposium, held online in January.

Before delving into that nontraditional market, though, Reid reflected on opportunities in the traditional market—which leads us, he says, to millennials (25- to 40-year-olds). They number 80 million (a quarter of the U.S. population, have \$200 billion in annual buying power, half consider themselves “foodies,” they have no biases towards lamb and are adventuresome eaters).

This is a market that the American Lamb Board has focused on in its marketing efforts.

The nontraditional demand for lamb comes from ethnic markets. As Susan Schoenian noted in an October 5 column in the *Delmarva Farmer*, “The so-called ethnic market is composed of many different market segments, each having its own preferences for consuming sheep and goat meat.” Reid states that Hispanic and Muslim American

consumers are a young and family-focused population (5.7 million), live in large households in urban areas (1.7 households), and represent \$98 billion in disposable income.

The lamb and goat products they desire are diverse—from lightweight lambs to older ones, and “unblemished” specimens (intact rams, no tail docking, etc.).

Producers who do not wish to provide facilities for on-farm slaughter nevertheless can be sources of stock for those who do, to buying stations, or be sources to halal butchers.

Reid noted that in 2020, prices for slaughter lambs, all kids, cull ewes, and nanny goats all were significantly above 2019 prices. He reminded producers to be mindful of the shifting dates of ethnic calendars. For example, the two Eid holidays of the Muslim religion follow a lunar calendar, and the Orthodox Christian calendar is Julian instead of the Georgian calendar we adhere to in the United States.

The 2021 Maryland Make It with Wool Competition and Education Program will be held Saturday, October 16 at the Wards Chapel United Methodist Church in Randallstown. Registration for this year's in person competition will begin with registration at 9:15 a.m. and end following the fashion show and awards presentation that will begin after judging is completed at approximately 1 p.m.

Participants, divided into four age divisions, will be judged on quality of construction, fit and fashion, and marketability of the wool garment.

The top junior and senior will represent Maryland at the national competition in January 2022 in San Diego. The adult winner will submit the garment, photos and a DVD for mail in judging at the national level. Maryland preteen winner will receive a Baby LocK Jubliant sewing machine.

The Maryland Make It with Wool program is sponsored by the Maryland Sheep Breeders Association. Other donors include the Maryland State Fair Board, G Street Fabrics, Needles & Pins Fabrics, and Stitch N Time Sewing Machines. MIWW also benefits from its annual sales of Montana-made, lanolin-based Wool Wax Creme during the Festival and year round mail orders.

Email mdmiww@aol.com with questions or to purchase Wool Wax hand creme.



This spring, 2020 MSBA Scholarship winner Brietta Latham was named a Distinguished Senior in the University of Ohio's College of Food, Agricultural and Environmental Sciences. Only a handful of students each year receive the honor, which requires nomination by college faculty and staff, according to university officials.

"Brietta is an outstanding student with a distinguished work ethic, dedication to academics, generosity towards others, and an openness to fresh points of view," one of Latham's nominators for the Distinguished Senior honor wrote.



Maryland news

Thomas receives MSBA scholarship

This year's MSBA scholarship recipient is Lynne Thomas from Fallston, Maryland.

Lynn is an MSBA member who is attending West Virginia University, majoring in agriculture and Cooperative Extension education, with minors in agribusiness management, horticulture, and food science and technology. Her career goal is to become an agri-science teacher and FFA advisor.

Lynn has been involved with sheep since she was a toddler growing up on her great-grandparents farm. She began her own flock when she received ewe lamb through the Youth Conservationist Program in 2016. Since then she has helped to promote sheep and wool through showing her sheep and several years of participating in the Make It With Wool competition.

Throughout her involvement in 4-H, Future Farmers of America, and leadership positions in school, Lynn has consistently worked to share her knowledge and appreciation for sheep, wool, and agriculture.



"She has a fine balance of both high intellectual capacity and genuine empathy for others."

Latham "undoubtedly has the potential for significant scientific contributions to the fields of animal production and genetics, and will be a strong advocate for animal agriculture," the nominator continued.

Throughout her undergraduate career, Latham served as the president of the school's Animal Welfare and Behavior Club, was the recording secretary for the Buckeye Dairy Club, worked as a teaching assistant and played on a club field hockey team.

Latham graduated this spring with a degree in animal science with a specialization in bioscience, and this fall began advanced degree studies in molecular bioscience at Washington State University. She's interested in applying biotechnology to livestock animals, hoping to contribute to the scientific community's ongoing efforts to address global hunger.

Latham honored with award

Fall Lamb recipes

Lamb Feast in Lettuce Coats

1 lamb shoulder (6-8 pounds)

For the rub:

1 t cumin
1 t coriander
4 garlic cloves, minced
a handful of fresh mint, chopped
a glug of olive oil
1 t salt
Oil and butter for browning

For the glaze:

6 T Suzanne's Kitchen Pepper Jelly Heaven
3 tbsps. S&S's Maple Camp's Maple Syrup
4 T brown sugar

Combine the cumin, coriander, garlic, mint, and enough oil to make a soft paste. Pat the lamb dry and rub paste all over. Sprinkle with salt. (If you have time, cover and refrigerate lamb for a few hours, or overnight.) Heat additional tablespoon of oil plus one tablespoon of butter in a skillet until butter is brown. Add the lamb and brown on all sides. Transfer to a slow cooker, or into an oven set at 270-300 degrees Fahrenheit. Slow roast for about 8 hours until lamb is fragrant and fork tender. If cooking in the oven, baste every hour or so with pan juices. Fifteen minutes before serving, remove lamb shoulder from slow cooker or oven. Slather the top with the glaze and cook in preheated 500-degree oven for 10-12 minutes until a dark caramel-like crust forms. Remove from oven and allow to rest for about five minutes before serving. (Roast peaches at same time as glazed lamb is cooking—see next page).

Accompaniments

Mint Sauce

$\frac{1}{3}$ cup rice wine vinegar (or white wine vinegar)

$\frac{1}{3}$ cup sugar

Generous handful of fresh mint leaves

Simmer sugar and vinegar in small sauce pan, until sugar dissolves, then add a handful of chopped fresh mint leaves and let sauce steep.

Scallion-Ginger Relish

$\frac{1}{3}$ cup fresh ginger
2 cups scallions
 $1\frac{1}{2}$ T light soy sauce

1 t sherry (or red wine) vinegar
 $\frac{1}{4}$ cup light oil (canola or corn oil)
 $\frac{1}{2}$ tsp. salt, or to taste

Peel and mince the ginger. Slice scallions, green and white parts, thinly. Mix in remaining ingredients. Cover and allow flavors to meld until dinnertime.

Common Market Chef's Challenge

MSBA Board member Polly Matzinger of Ambling Brook Farm took part in a cookoff with ingredients selected from the market's products, using her own home-grown lamb.

This recipe draws from Asian and Middle Eastern cuisines to create a festive lamb feast set in the center of a circle of friends and family, with a medley of hot, sweet, and savory sauces, relishes and chutneys with which to create individual tiny mouthfuls that are fun for people who like to experiment with local foods and tastes. It uses a slow roasted cut of lamb that is often under-valued but is absolutely scrumptious and captivating when served in this participatory and joyful style.



Accompaniments

Peaches and Goat Cheese

4 peaches
1-4 tbsps. brown sugar

4-5 ounces Cherry Glen goat cheese,
allowed to soften.

Note: Begin to roast peaches at the same time as pre-heating oven for
glazing the lamb.

Peel and cut peaches in half, remove pit (freestone peaches are easier
to pit). Coat cut surface with brown sugar and place on foil-lined
baking sheet. Turn oven to 500 degrees Fahrenheit, and place peaches
immediately in cold oven so they begin to bake as oven heats. When oven
reaches 500 degrees, add glazed lamb while continuing to roast peaches.
(Actual baking time will depend on ripeness of peaches.) Remove from
oven and allow to cool enough to handle. Slice thinly. Arrange slices on
plate with lamb or around mound of softened goat cheese.

Accompaniments

Chile Paste Salsa

$\frac{1}{2}$ lemon, pulp and juice
1 t hot chili paste (such as
Harissa or Sambal)
 $\frac{1}{3}$ medium red onion, chopped
finely

$\frac{1}{3}$ cup chopped cilantro (or substitute
Italian parsley)
1 jalapeno pepper (preferably red),
chopped finely
2 t olive oil

Remove pulp from lemon and chop finely. Add other ingredients. Mix
well.

Lettuce

1 large or 2 small heads Bibb, Romaine, or any lettuce that will serve as
little coat pockets.

Cooked Rice (we use basmati), **Almonds, Grapes**

Accompaniments

Moroccan Chutney

1 t butter or olive oil
 $\frac{1}{2}$ large onion, finely chopped
1 cup low-salt chicken broth
7 to 8 oz of canned
chickpeas, drained
 $\frac{1}{2}$ tbsp. tomato paste
 $\frac{1}{2}$ tbsp. smoked paprika

$\frac{1}{2}$ cup dried apricots (about 3 oz,
chopped)
1 large tomato, chopped
1 cinnamon stick
 $1\frac{1}{2}$ t minced, peeled fresh ginger
2 t grated lemon peel

In a skillet, sauté onion in butter or olive oil until very soft (about 5
minutes). Add broth, chickpeas, tomato paste, paprika, apricots, tomato,
cinnamon stick, ginger and lemon peel. Bring to boil. Reduce heat
and simmer about 30 minutes, or until sauce thickens. Remove
cinnamon stick before serving.

Serving suggestions

Remove lamb and peaches from oven and let stand for about 5 minutes
for glaze to set and peaches to cool. Place glazed lamb shoulder on a
plate in center of table. Place lettuce and rice, as well as small bowls
with the sauces, relish, and chutney around lamb.

Encourage friends/family to take individual lettuce leaves, add a bit of
shredded lamb and create their own delicious variations of "lamb in a
lettuce coat" by adding small portions of sauces, relish and/or chutney.
(My personal favorite is lamb, plus a peach slice plus a small dollop of
goat cheese, plus a drip of mint sauce. Incredibly delish!)

Maryland News ▶

The 2022 Maryland Beginning Shearing School is scheduled for February 18-19 (with inclement weather dates of February 25-26). The school will run 9:30 p.m. to 3:30 p.m. each day. It will take place at a farm in Fairplay, Maryland.

Shearing school is open to anyone wanting to learn commercial sheep shearing techniques and who is physically and mentally capable. (It is encouraged to have seen professional shearing in action prior to registering, so as to know the demands of commercial shearing techniques.)

2022 Shearing school announced

Fifteen participants will be selected from applications, in order to optimize the instructor-to-learner ratio. Due to overwhelming past response, applications will be prioritized based on the list below, in descending order:

- MSBA Members (highest priority)
(based on 2021 membership)
- Prior MSBA Shearing School attendees
- Sheep owners
- Aspiring commercial shearers
- Sheep and fiber enthusiasts/non-owners (lowest priority)

After registration has closed, applications will



be reviewed and participants chosen, based on priority and a first come – first served basis. Due to safety, participants under 16 years will not be accepted.

The workshop will teach sheep owners and aspiring commercial shearers to properly shear sheep using electric, hand-held shearing machines. Blade shearing will not be taught. Participants will learn:

- the New Zealand method of sheep shearing,
- the care and adjustment of electric, hand-held shearing machines and blades, and
- proper wool handling and care during and after shearing.

Each participant will receive the ASI Sheep Shearing Manual, an instructional DVD, and assorted wool literature. Shearing equipment will be provided. Registration must be made in advance and accompanied by \$150 per registrant. This fee includes ASI materials.

Registration opens November 1. You can download the registration form at <https://marylandsheepbreeders.org/activities/maryland-shearing-school>. For more information email Aaron Geiman at mdsheepshearingschool@gmail.com.

In Remembrance

Maryland Sheep Breeders Association Life Member Edith Long Miller, 96, died on August 27.

Born on her family's farm in Emmitsburg, Edith lived on a farm most of her life. She raised Shropshire sheep and showed them at the Montgomery County Fair for more than 50 years. There she also assisted her husband Harvey, who was a superintendent of the Sheep Department for 28 years. Edith Miller was named the 1987 MSBA Shepherd of the Year.

"She was our first contact when we began shepherding and put our children in 4-H over 30 years ago," said MSBA Treasurer and Shepherd's Manor Creamery co-owner Colleen Histon. "She

left Damascus about 12 years ago to live with [her son] Bryan and his wife and they continued to show. We were happy when Bryan finally had the opportunity to bring her to our farm last year to see the dairy and visit."

Edith Long Miller

Edith was preceded in death by her husband Harvey Miller II, her five brothers (William, John, Birley, Richard, and Jay) and two sisters (Ruth and Mary). She is survived by her two sons Harvey E. Miller III and his wife Martha of East Berlin, Bryan Miller and his wife Fabiola of Rocky Ridge, five grandchildren, Zachery, Christine, Anthony, Ainsley, Fallon, and two great-grandchildren Abigail and Ashlyn.

Maryland Sheep Breeders Association, Inc.

Officers & Directors

Executive Committee

President	Vice President	Secretary	Treasurer	Past President
Jeffrey White 3610 Baker Road Westminster, MD 21157 410-746-5768 chestnutcreekfarm@gmail.com	Andrew Keller 28301 Clarksburg Road Damascus, MD 20872 301-676-6287 vistaviewfarms@gmail.com	Carolann McConaughy 8253 Dollyhyde Road Mt. Airy, MD 21771 301-829-6950 stillpointfarmsheep@gmail.com	Colleen Histon 1126 Slingluff Road New Windsor, MD 21776 240-388-6633 shepherdsmanorcreamery@verizon.net	Lee Langstaff 24020 Old Hundred Road Dickerson, MD 20842 301-908-9332 lmlangstaff@gmail.com

Ex Officio

American Sheep Industry Association Liaison	Patricia Sanville	4637 Cap Stine Road Frederick, MD 21703	240-357-1437	patriciasanville@gmail.com
Membership	Kris Thorne	1130 Martin Drive Westminster, MD 21157	410-848-6971	msbamembershipchair@gmail.com
Sheep & Wool Festival	Gwen Handler	935 Bloom Road Westminster, MD 21157	410-857-4387	gwenhandler@gmail.com
Make It With Wool	Judy Williamson	6924 Girl Scout Road Boonsboro, MD 21713	301-432-0281	judy10503@aol.com
Maryland Shearing School	Aaron Geiman	429 Hook Road Westminster, MD 21157	443-340-2322	adgeiman75@gmail.com

Board Members

2021 Directors	Ken Farrell	12119 Renner Road Keymar, MD 21757	301-304-0272	ktf10626@msn.com
	Gwen Handler	935 Bloom Road Westminster, MD 21157	410-857-4387	gwenhandler@gmail.com
	Meredith Null	5955 Old Bohn Road Mt. Airy, MD 21771	301-908-0589	bluelandfarm@gmail.com
	Lynn Roberts	19636 Graystone Road White Hall, MD 21161	410-299-0486	luckylanefarm@gmail.com
2022 Directors	Sarah Campbell	4956 Muddy Creek Road West River, MD 20778	443-994-4864	sarah@newroots.farm
	Nancy Cox Starkey	12895 Colonial Drive Mt. Airy, MD 21771	301-253-4732	ncstarkey@aol.com
	Ollie King	23477 Path Valley Road Doylesburg, PA 17219	717-414-8553	rivertonfarmsllc@gmail.com
	Lisa Westra	1227 Morris Road Freeland, MD 21053	410-357-5336	westra@feederbrook.com
2023 Directors	Steve Breeding	4602 Stein Highway Seaford DE 19973	302-381-6129	spbreeding@gmail.com
	A.J. Hesketh-Tutton	13370 Route 144 West Friendship, MD 21794	202-706-1026	fordbronco1@live.com
	Polly Matzinger	4810 Elmer Derr Road Frederick, MD 21703	240-444-2047	amblingbrookfarm@gmail.com
	Patty Sanville	4637 Cap Stine Road Frederick, MD 21703	240-357-1437	patriciasanville@gmail.com
Maryland Sheep News Editor	Martha Polkey	14605 Chapel Lane Leesburg, VA 20176	703-727-5604	mp@budiansky.com
Website Coordinator	Kris Thorne	1130 Martin Drive Westminster, MD 21157	410-848-6971	msbamembershipchair@gmail.com



1126 Slingluff Road • New Windsor, MD 21776



Maryland Sheep Breeders Association:
marylandsheepbreeders.org

Maryland Sheep & Wool Festival:
sheepandwool.org



Join *the* MARYLAND SHEEP BREEDERS ASSOCIATION

...and become part of an active organization that sponsors the Maryland Sheep & Wool Festival (the premier event of its kind in the nation), Sheep Shearing School, various youth activities, and a variety of educational functions.

You can join and pay online at <http://marylandsheepbreeders.org>, and fill out your member profile page. If you prefer to register by mail, fill out the form at left and mail with your \$25 check.

Here are sponsored events and activities for 2022

- January (date TBD): Maryland Sheep & Wool Festival Winterfest
- February 18-19: Beginning Shearing School
- May 7-8: Maryland Sheep & Wool Festival
- October (date TBD): Annual Meeting & Dinner

As a member you will:

- Join an active and friendly community of shepherds and others
- Support the core activities of the MSBA.
- Receive the Maryland Sheep News, MSBA's informative newsletter, 3 times a year.
- Receive regular publications from the American Sheep Industry Association.
- Receive priority consideration for enrollment in the Maryland Shearing School (applicable only if you own sheep), and your family members will be given priority consideration for the annual MSBA scholarship.
- Receive free admission to the Maryland Sheep & Wool Festival and be mailed a free copy of the catalog.
- Pay a reduced commission on all fleeces sold at the Maryland Sheep & Wool Festival Fleece Show & Sale.
- Be able to promote your farm or business through a free profile page on the MSBA website.

Annual membership/subscription fee: \$25. The membership year runs from October through September. Dues for membership received prior to June 1, 2022, will be accepted as paid through September 30, 2022. Dues received on or after June 1 will be accepted as paid through September 30, 2023.

The Maryland Sheep Breeders Association Board of Directors meets every other month. Meetings are open to members. For minutes of meetings, contact the MSBA Secretary (see p. 15). 2022 meeting dates: Feb. 7, April 4, June 6, Sept. 5, Oct. 21, Dec. 5.

Membership application MARYLAND SHEEP BREEDERS ASSOCIATION

Name: _____

Farm Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

Please include me in the MSBA Breeders Directory.

Web URL: _____

Breed(s): _____ No. Ewes: _____

Send form and \$25 check made payable to MSBA to Kris Thorne, Membership Chair, 1130 Martin Drive, Westminster, MD 21157. She will contact you for additional information for the breeders directory and online profile.