



Special Interest Articles:

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- 2019 MnEBA Gun Raffle Calendar
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- ACA Update
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President's Message by Jim Byrne



The weatherman says that we are going to get our first freeze of the season tonight. This is my time of year! I listen to the bulls bugling, the cows vocalizing in response and everything is right. It is time to enjoy the season.

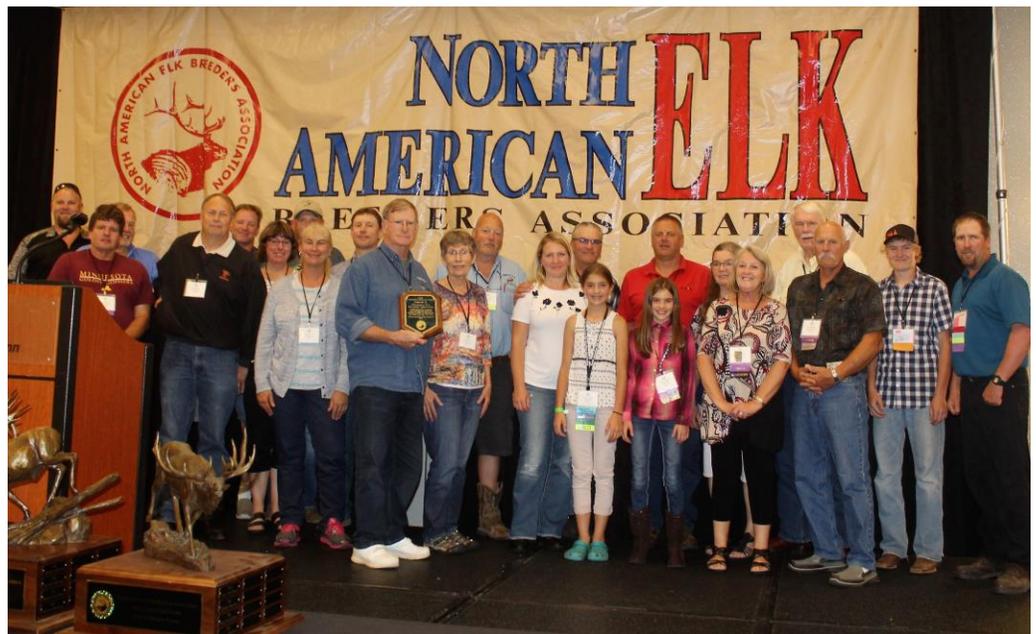
For those of you who worked the fair this year I extend a heartfelt "Thank You". This year's crowd was the largest in the fair's history and we were able to bring our message to many. Some visitors came just to purchase our meat products and to learn where they could purchase more. Others were learning about an elk industry in Minnesota for the first time. Greg Lubinski and Paul Hueg both invested many, many hours in putting together the booth and making sure that there was coverage for the entire fair. Great job guys!

The board will be taking this time of calm between the storms of the legislature involvement to start putting together next year's association strategies. Budgeting, for example, how we are to cover expected increases in existing budget items. We will also have to plan our legislative approach to next year's session. We will also be looking at ways to bring in those producers who are not members.

We have a very active association and plan to keep it strong and viable. Your continued support and encouragement is greatly appreciated.

Stay safe and involved.
Jim

Congratulations to MnEBA for receiving the NAEBA 2018 Association of Distinction Award



MnEBA News is a bimonthly publication of the Minnesota Elk Breeders Association. It is mailed out on the first day of February, April, June, August, October, and December. Deadline for information, articles, and advertisements is the 15th of the preceding month.

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2018 MnEBA Charitable Elk Hunt

Thanks to the generosity of a number of MnEBA members and other partners, this year's MnEBA Charitable Elk Hunt is scheduled to take place October 15-16 at Tony's Trophy Elk Hunt Ranch in Baudette, MN. This marks the 12th year MnEBA has offered this hunt.



This year's recipient was recommended through MnEBA member Heike Schimmelpfennig and a staff superior at Camp Ripley. SSG Will Puckett is a native of Litchfield, MN and served for 15 years in the Minnesota National Guard, serving in combat tours in Iraq and Kosovo. He was medically discharged after being wounded on a 22 month deployment. He also lost his best friend and gunner when their truck was hit by an IED.

SSG Puckett has always wanted to hunt an elk and this opportunity is a dream come true for him. While he has spent a lot of time hunting north of Blackduck over the years, he has always had dreams of hunting elk, grizzly bear and moose.

Although SSG Puckett now resides in Monticello, most recently, he has been out fighting California wildfires. He will be taking a break from that job to travel to Baudette to realize his goal of hunting a majestic bull elk!

A great big thank you to everyone who is helping to make this year's hunt possible. They include Tony Beckel of Tony's Trophy Elk Hunt Ranch, Lance & Brenda Hartkopf for funds to purchase a bull, Paul Hueg for providing the bull and transporting the bull to the hunt ranch, the SCI Lake Superior Chapter for providing funds for travel, meals, lodging and meat processing, and Ron Welle of Midwest Outdoors Unlimited who is making all the final arrangements and accompanying SSG Puckett on the hunt. We look forward to making the dream of hunting a beautiful bull elk a reality for yet another very deserving military veteran.

MnEBA Mission Statement

The Minnesota Elk Breeders Association represents a unified voice that strengthens the Elk farming industry in Minnesota by creating awareness about Elk production and promotion and consumption of Elk products.

*Spring Coulee
Velvet Capsules*



Bill & Karen Knutson
Home of Spring Coulee Elk

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August 23 – Labor Day September 3

MINNESOTA STATE FAIR

The Minnesota State Fair not only set a new record for overall attendance for the third year in a row, but also topped over two million attendees for the first time ever! Out of the total 12 days of the fair, five of those days broke attendance records. A new daily record was also achieved on the last Saturday of the fair with over 270,000 in attendance! Considering there were several rainy days during this year's event, all the new records were quite an achievement! So it would only be appropriate for sales of elk meat products and dog chews to do very well at the MnEBA booth – and they did!

Even though MnEBA increased the totals of just about everything we used in 2017, we sold out of sausage, jerky and were down to our last 8" dog chew by the end of Labor Day. We held to about the same overall sales as last year which was a year in which we sold 30% more product than in 2016!

Many thanks to Paul Hueg for all his many hours of set up and take down of the booth. Thank you also to Greg Lubinski and Kraig Wurst for assisting in set-up and to Greg for putting together the schedule and making many phone calls to fill the time slots.

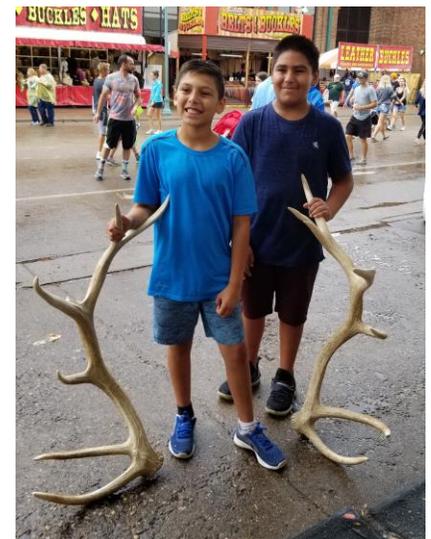
Greg also took out a hotel room and helped work every day of the fair. He also donated over 300 lbs. of elk trim to use in the elk sausage for State Fair sales. Thank you Greg and Roxy for your very generous donation!!!

Special thanks to everyone who volunteered and answered the call to help man the booth this year! This list includes Ray Smothers, Aase family, Perry Olson, Lance & Brenda Hartkopf, Greg & Roxy Lubinski, Bryce & Megan Lubinski, Jim Byrne, Ken & Carol Mudek, Mark & Lisa Luedtke, Don Kaplan, Lynn Steinbrink, Ron & Lynnette Schmitz, Kenny Arnzen, Dennis Suelflow, Marlen Schmitz, Charles Francis, Kraig & Jenny Wurst, Paul & Lynn Hueg, Pat & Rita Prodzinski, Norman Schimmelpfennig, Mark Lucas, Turek family, Brian & Holly Harguth, Carolyn Cagle and Damon & Duane Melquist. A big thank you also to Paul Hueg for picking up the trailer and for taking the booth down and returning it to Howard Lake.

Mark your calendars for August 22 – September 2, 2019 for the next Great Minnesota Get-Together! Will they break 2 million attendees again next year? There's no better place than the Minnesota State Fair to reach our target audience of potential elk farmers and elk product consumers, all in one place. Make plans to be a part of this great outreach effort next year and enjoy a day at the fair!



Having fun at the fair booth!



State Fair Elk Meat for Sale

We have 4 boxes of 30 ct. Chipotle sticks and 2 boxes of 30 ct. Hickory sticks left over from the fair.

Buy them to enjoy yourself or to give as a great Christmas present!

If you have an interest in purchasing these delicious elk meat snacks, please contact the office at 320-543-2686 or info@mneba.org. Thanks!

NAEBA Convention in Fargo a Great Success!

Minnesota elk producers enjoyed the close proximity of the North American Elk Breeders Association Annual Convention & International Antler Competition taking place in Fargo, ND this past August! Besides MnEBA receiving the "Association of the Year Award", Minnesota producers received other awards and played prominent roles in the conference! Minnesota award winners included:



Brian Wagner received the Hall of Fame Award



Mark Luedtke received the Rush Johnson Memorial Award

Several Minnesota producers served as speakers for a number of seminars. They included:



Perry Olson
Harvesting Velvet from Yearling Bulls



Scott Salonek
Understanding Meat Industry Products & Yields



Mark Luedtke
Getting Started in Elk Ranching

Another special part of the conference was that Glen & Kaye Zearth opened up their farm for an Open House farm tour the day before convention activities began.



And let's not forget that our velvet judges were all Minnesota producers!



Perry Olson, Lance Hartkopf & Scott Groen



Lance & Scott setting up the viewing table

Last but not least, this year's antler competition had 41 sets of velvet antler and 103 sets of hard antler, the highest number of sets in at least 10 years! Minnesota bulls won in the top three of many categories. These included:

Velvet 2 Year Old	Bull	Score	Sire / Dam's Sire	Breeder
2 nd Place	LLE Y618	84.29 CWI	LLE Tealk / Winkle	Mark & Lisa Luedtke

Breeders Three Two Year Old Velvet	Bull	Score	Sire / Dam's Sire	Breeder
2 nd Place	SPR 600D	79.91 CWI	Levi / SPR 641S	Lance & Brenda Hartkopf
	SPR 611D	77.89 CWI	Levi / SPR 202M	Lance & Brenda Hartkopf
AVERAGE CWI 76.63	SPR 612D	72.09 CWI	Levi / DK Johnnie B	Lance & Brenda Hartkopf

Velvet 3 Year Old	Bull	Score	Sire / Dam's Sire	Breeder
3 rd Place	LLE Y521	93.43 CWI	Amber Yoda / LLE 716	Mark & Lisa Luedtke

Breeders Three Three Year Old Velvet	Bull	Score	Sire / Dam's Sire	Breeder
1 st Place	SPR 565C	96.56 CWI	SPR 166Y / SPR 651S	Lance & Brenda Hartkopf
	SPR 581C	93.40 CWI	SPR 166Y / Clearstone Stalwart	Lance & Brenda Hartkopf
AVERAGE CWI 93.49	SPR 578C	90.51 CWI	SPR 166Y / Splendor's Ray	Lance & Brenda Hartkopf

Velvet 4 Year Old	Bull	Score	Sire / Dam's Sire	Breeder
3 rd Place	LLE Hulk	101.43 CWI	LLE Thor / Ludwig	Mark & Lisa Luedtke

Two Year Old Non-Typical Breeders Three Hard Antler	Bull	Score	Sire / Dam's Sire	Breeder
2 nd Place	MEC Spicoli 520C	290 2/8 SCI	Rolo 797	Perry Olson
	MEC Sparticus 571C	285 1/8 SCI	Rolo 797	Perry Olson
AVERAGE SCI 274 2/8	MEC Spiro 506C	247 1/8 SCI	Rolo 797	Perry Olson

Three Year Old Typical	Bull	Score	Sire / Dam's Sire	Breeder
1 st Place	LLE Stinger	397 6/8 SCI	Frisia Dynasty / Amber Yoda	Mark & Lisa Luedtke
3 rd Place	LLE Y440	368 4/8 SCI	LLE Zoomer / LLE 716	Mark & Lisa Luedtke

Three Year Old Non-Typical	Bull	Score	Sire / Dam's Sire	Breeder
2 nd Place	SPR 444B	479 5/8 SCI	Styx / SPR 202M	Lance & Brenda Hartkopf
3 rd Place	LLE Rebel	463 2/8 SCI	LLE Zoomer / GEF Braetak	Mark & Lisa Luedtke

Four Year Old Typical	Bull	Score	Sire / Dam's Sire	Breeder
2 nd Place	SPR 352A	422 SCI	Styx / Clearstone Stalwart	Lance & Brenda Hartkopf

Five Year Old Typical	Bull	Score	Sire / Dam's Sire	Breeder
1 st Place	RRT 30Y	480 4/8 SCI		Ken & Carol Mudek

Five Year Old Non-Typical	Bull	Score	Sire / Dam's Sire	Breeder
3 rd Place	LLE 217	483 7/8 SCI	LLE 716 / GEF Braetak	Mark & Lisa Luedtke

Six Year Old Non-Typical	Bull	Score	Sire / Dam's Sire	Breeder
1 st Place	MEC 128Y	473 7/8 SCI	GEF 317 / GEF Scorch	Perry Olson
2 nd Place	SPR 166Y	462 1/8 SCI	SPR 649S	Lance & Brenda Hartkopf

Mature Typical	Bull	Score	Sire / Dam's Sire	Breeder
2 nd Place	MEC 822	454 2/8 SCI	GEF Scorch	Perry Olson

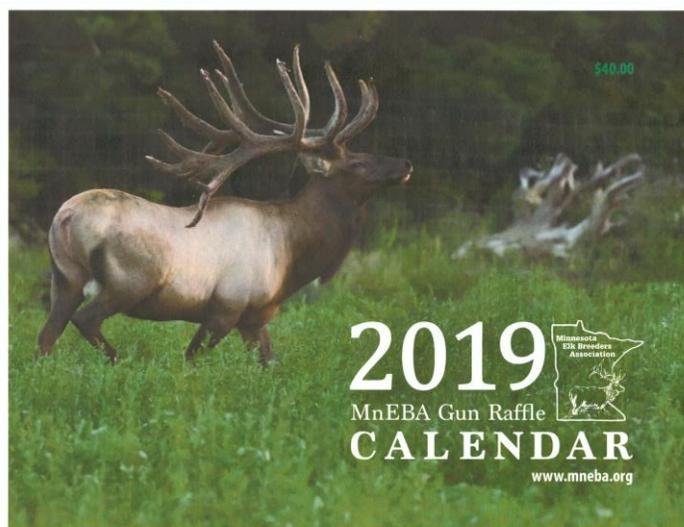
Mark your calendars for next year's NAEBA Convention & International Antler Competition on August 1-3, 2019 in Topeka, Kansas!

2019 MnEBA Gun Raffle Calendar

Have You Ordered Your Calendars Yet?

Have you picked up your 2019 MnEBA Gun Raffle Calendars yet? The office has received several calls already from random people looking to purchase MnEBA gun raffle calendars. There are 475 calendars in the hands of members to sell so far – with 275 still available for anyone who can sell more! As the rut winds down in a few weeks, it's a good time to order your calendars and begin sales! Let's sell out for a fourth year in a row!

Once again this year, members are eligible for great incentives when selling the new 2019 MnEBA Gun Raffle Calendar! A free MnEBA membership for selling 30 or more calendars and returning stubs and money before December 31st is being offered once again this year. Also back by popular demand, for every 10 calendars sold with stubs and money being returned before December 31st, your name goes into a drawing to win a Henry Golden Boy Large Loop Blued rifle. The more calendars you sell, the more chances to win!



MANY THANKS to all MnEBA members who stepped up to sponsor a month in the 2019 MnEBA Gun Raffle Calendar! This year's sponsors include: Dennis & Jacky Engebretson, Lance & Brenda Hartkopf, Bill & Karen Knutson, Greg & Roxy Lubinski, Mark & Lisa Luedtke, Ken & Carol Mudek, Perry & Sandy Olson, Darryll & Sheila Turek, Brian Wagner, Leo Windschitl, Kraig & Jenny Wurst and Klint & Lora Wylie.

Now is a great time to order your calendars while they are still in stock. Contact the MnEBA Office to order yours today!



ACA Council Meets to Endorse Proposed USAHA Resolution

Committee on Farmed Cervids to Meet; Resolution to Reform CWD Testing

September 25, 2018 - The American Cervid Alliance Leadership Council met on September 18 to discuss possible opportunities at the upcoming United States Animal Health Association (USAHA) Conference next month in Kansas City. The ACA wanted all the alliance council members to have an understanding of the agenda affecting the cervid industry at USAHA prior to the leaders' arrival.

Alliance members reviewed the USAHA event schedule, which includes regional meetings, Committee on Farmed Cervidae, Committee on Wildlife Diseases, Subcommittee on Tuberculosis, Subcommittee on Brucellosis and Committee on Animal Welfare meetings. The Committee on Farmed Cervids is a new committee solely dedicated to deer and elk issues that was first proposed by the ACA in 2013. Charly Seale, who serves as the Executive Director of the Exotic Wildlife Association, serves as the vice-chair of the committee. "We have a very strong agenda for our committee next month," Seale told fellow ACA council members on the conference call.

At least one resolution is being proposed by the cervid industry during the USAHA conference relating to strains of Chronic Wasting Disease in deer and elk. Recent discoveries of Chronic Wasting Disease across the world have proven some strains vary in pathogenicity. The Norway strain in moose and reindeer is a different strain than the North American strain. A specific CWD test known as the Western Blot test, can determine the different strains and if the CWD strain is sporadic or spontaneous (atypical). The Western Blot test is not currently being used by USDA APHIS or state animal health or wildlife officials for CWD positive farmed cervids. In contrast, the European Union uses the Western Blot test as a standard on every positive case. The ACA's resolution requests USDA APHIS use the Western Blot test for CWD testing to identify the strains. Such knowledge will help identify possible sources of the disease. A motion was made and unanimously approved by the Alliance to offer this resolution as a united cervid industry position.

Several cervid industry representatives are planning to attend the conference. ACA Moderator Travis Lowe thanked the council for their input on the proposed resolution and agenda. Lowe stated, "At the 2012 USAHA conference, it was quite obvious the cervid industry leaders did not have any communication to know each other's goals and how to work together. We looked unorganized. This all changed with the ACA. Every year since, starting in 2013, the ACA associations have met before the USAHA conference to go over proposed ideas and receive feedback. This has enabled us to speak as a united voice during the conference. We thank the 40 associations that work together to make this possible. It is to all of our benefit."

The ACA will keep the industry abreast of USAHA news as it unfolds.

Editor's Note: *Mark Luedtke will represent MnEBA at the upcoming USAHA Conference October 17-24 in Kansas City, MO*

NAEBA Update

Missouri Elk Industry Update



DISCLAIMER: The information on this subject is fluid and may vary from source to source. NAEBA and MEFA encourage stakeholders to consult their own contacts with state government officials and legal counsel before making business decisions based on the Missouri Supreme Court decision.

September 5, 2018 - The North American Elk Breeders Association and Missouri Elk Farmers Association are working to ensure the state's elk breeding and trophy industry remains strong.

Over the last several weeks, NAEBA has notified its members on the latest understanding of impacts from the Missouri Supreme Court's ruling. NAEBA can now report that the Missouri Department of Conservation is now enforcing its 2015 rules for whitetail deer, mule deer and hunting ranches, which are under their control.

The new MDC rule does not allow for the importation of live elk to enter Missouri destined for hunting ranches, since trophy ranches are under the jurisdiction of the MDC. However, for elk breeder operations, the new MDC rules currently do not apply to them because their regulatory and permitting authority is under the Missouri Department of Agriculture. As of today, there are no known challenges to change this status for elk breeder operations.

Under this assumption, Missouri trophy ranches that harvest elk trophy bulls will be able to do so under the new rule if the bulls are born in Missouri. Therefore, their supply must come from local elk breeding

operations that are producing trophy bulls born in the state. NAEBA's trophy ranch members have reached out asserting they will continue to have a need for a steady supply of trophy bulls to harvest, which now will have to come from Missouri breeders, as they cannot import bulls from other states. Such local supply is essential for their sustainability.

This scenario creates an opportunity for Missouri elk breeders to maintain or possibly increase their trophy bull output to supply local trophy ranches. In addition, Missouri elk breeding operations can still export trophy bulls to other states.

"NAEBA and MEFA are committed to learning as much we can to how we can keep the local elk industry strong," said NAEBA Executive Director Travis Lowe. "Whitetail and mule deer operations are in a very tough position. However, NAEBA and MEFA can try to help the existing trophy ranches meet their demand needs for elk bulls in the coming years. In the future, there will have to be a lot of communication within the state's stakeholders and time to accomplish this, but it looks like there is opportunity for mutual benefit."

NAEBA and MEFA will continue to work to learn the latest news and impacts.

Make Plans to Attend!
2019 MnEBA Annual Conference
 January 11-12, 2019

Sheraton Minneapolis West Hotel
 12201 Ridgedale Dr ~ Minnetonka, MN 55305
 Room Rates \$99 ~ Reservation Line 952-953-0000

Annual Meeting ~ Informational Seminars ~ Evening Banquet

Make a weekend out of it and take advantage of a trip to the cities to visit friends or relatives or simply take the opportunity to do something interesting in the Minneapolis/St. Paul area!

MORE DETAILS TO BE INCLUDED IN THE DECEMBER NEWSLETTER!

USAHA Update

Big game animals must learn to migrate and pass knowledge across generations

Source: University of Wyoming
Science Daily

September 6, 2018 - A team of scientists at the University of Wyoming has provided the first empirical evidence that ungulates (hooved mammals) must learn where and when to migrate, and that they maintain their seasonal migrations by passing cultural knowledge across generations.

The results were reported today in Science.

Biologists have long suspected that, unlike many bird, fish and insect migrations that are driven by genetics, ungulates learn to migrate from their mothers or other animals in the herd. Previous research had hinted that migration was socially learned in ungulates, but a clear test had eluded researchers until now.

The authors of the study made use of a grand experiment that has been occurring across the American West over the last 60 years. After hunting and disease triggered the loss of bighorn sheep

across much of their range, a cadre of dedicated wildlife managers, hunters and conservationists pioneered translocation programs to re-establish lost herds. Bighorn sheep from the few populations that persisted continued to migrate; some of these animals were captured and released into landscapes where bighorn sheep occurred previously. The conservation effort has been successful in establishing many new "translocated" herds.

"The pattern was striking," says lead author Brett Jesmer, a doctoral student at UW. "Detailed GPS data revealed that fewer than 9 percent of translocated animals migrated, but 65 to 100 percent of animals migrated in herds that had never been lost."

Full text:
<https://www.sciencedaily.com/releases/2018/09/18/0906141626.htm>

Make Sure to Vote on November 6th!

Besides a new governor, the entire Minnesota House of Representatives are up for re-election next month. Hopefully everyone has had a chance to get to know the candidates and have even spoken in person to some of them as you've been out and about this summer at your county fairs, parades, etc. If you don't know much about your candidates as of yet, take the time to research their stance on farming, and especially their support of the deer and elk industry. Tell them about your farm and invite them to visit. These relationships could be very important going into the 2019 session and beyond!



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Thank you for your support!

Market News from New Zealand

East Meets West in Exciting “New Origin” Store

By Ali Spencer, Deer Industry News contributor (New Zealand)

A brand new and exciting “east meets west” concept store and café is introducing New Zealand velvet to young, upwardly mobile South Korean customers in Seoul.

The “NEW ORIGIN” store, owned by Yuhan Pharmaceuticals – Korea’s largest pharmaceutical company – is in the capital’s prestigious IFC Mall.

It is one of the first developments since the 92 year-old, \$1.9 billion company’s signing of Memorandums of Understanding with Deer Industry New Zealand (DINZ), Alpine Deer and AgResearch last November (*Deer Industry News, December 2017/January 2018*).

DINZ velvet marketing manager Rhys Griffiths visited the store in May.

“It’s a really novel way of bringing east and west together,” he says, adding he was immediately struck with how busy it was.

New Origin’s purpose is to emphasize that good quality food ingredients are not only tasty, but are also good for your health, he explains. The store has two parts: at one end is a western café-style setting, featuring organic and free-range foods; at the other is a modern apothecary, dispensing eastern-style health foods such as New Zealand deer velvet products, which feature in the café menu and beverages.

Consumers are invited to engage with in-store videos on large TV

screens and social media campaigns taking them on a “journey to find the origin of the food”. These star New Zealand deer, farmers and scenery, along with other suppliers of the raw ingredients they are consuming.

“Customers can buy smoothie-type drinks that provide certain health benefits,” Griffiths explains. They then head to the apothecary part where their drink will be paired with the health product they need, which they grind themselves with a mortar and pestle before adding it to the drink.

Just 18 months after it first made contact with DINZ, on the back of its promotional activities in Korea, Yuhan has moved very quickly to bring its new source of New Zealand deer velvet to market. The new concept store opened in April and the TV advertisement quickly went viral. Based on its success, Yuhan intends to open more stores in South Korea.

Exciting and sophisticated innovation

Alpine Deer Managing Director Hugh Signal speaks positively about his business’ new commercial partnership.

“It is a significant show of commitment to New Zealand deer velvet by Yuhan,” says Signal, adding the key for Alpine was that the Korean company wasn’t looking for supply of a commodity.

“They wanted value-added products. We’ve worked alongside them to deliver that, customizing smaller volumes of high-quality ingredients to their specific and focused needs.”

The “New Origin” modern apothecary store stocks three products made from Alpine Deer ingredients:

1. A concentrated velvet and ginseng syrup for use in drinks and taking by the teaspoon
2. A chewable spherical lozenge of herbs and other supplements including velvet
3. Velvet and ginseng jellies with solid and liquid components that are flavored and targeted mainly at children

Signal, who has spent time with Yuhan’s R&D team, is excited by the company’s fresh thinking and innovation and says there are more new products to come. He has also been inspired by the highly educated, considerate and practical consumers’ sophisticated approach to value.

“We get really excited when we find customers who can deliver real value for consumers. Anyone who is going to invest in innovation and modernization of a traditional product is worth supporting,” he says.

Adding intangible value was also key to taking the Yuhan consumers on a real “consumption experience” to explore the source of their

products via videos and social media.

“The people, animals and environment showcase the biodiversity and integrity of what we produce,” says Signal.

Yuhan has been developing a lot of brand assets, channels and products says Signal, and has been “very communicative in their process”. He says Alpine intends to spend more time in the market to further develop and understand the channels.

“It was clear they were a very worthy partner and we trust they will do an excellent job.”

Now Alpine has done the work it

said it was going to do, next year will see “more of the same”, Signal says. “Alpine will continue to focus on delivering value-added ingredients customized for Yuhan processes.”

Scientific approach

Griffiths agrees Yuhan has had a scientific approach to the whole project, DINZ was particularly heartened to see that Yuhan has commissioned A-Research to undertake further velvet research in New Zealand.

“We could immediately see it made sense to be working with such a big and respected pharmaceutical company. We saw them as an important

channel to the Asian pharmaceutical market and for strengthening the New Zealand velvet position at the premium end of the market.

“The initiative adds to New Zealand’s healthy food story and will give us a boost in that market,” says Griffiths.

The value of New Zealand velvet exports has more than doubled over the past four to five years, which Griffiths says is underpinned by the rapid growth in its use by prominent health food companies in Korea.

To “journey to find the origin of the food”: www.neworigin.co.kr

Rack Plus™ for Outstanding results

Outstanding performance is the hallmark of ADM's Deer and Elk Feeding Program.

The Rack Plus program incorporates the latest technical advances in cervid nutrition with ADM's time and field-proven formulation and feed technology techniques to deliver the right balance of protein, energy, vitamins, and minerals that enable deer and elk to reach their full genetic potential.

Deer & Elk 18-4 (81686AAA) and Deer & Elk 18-5 Breeder (81692AAA)

- Complete, pelleted feeds formulated specifically for deer and elk
- Provide multiple protein sources, stabilized rice bran, highly digestible energy and fiber sources, CitriStim®, and direct fed microbial
- Both products provide 18% protein and no more than 14% fiber; 18-4 provides 4% fat and 18-5 provides 5% fat
- 18-5 Breeder: Formulated specifically for the breeding herd; also provides natural-source vitamin E, B-complex vitamins, selenium yeast, and Antler D™*

CitriStim®, an ADM proprietary feed ingredient, is a proven, truly unique whole-cell yeast product beneficial for all animals at all life stages. CitriStim may help the animal fortify its defense against health challenges. CitriStim *Pichia guilliermondii* yeast adheres to pathogens and helps modulate body defense mechanisms. The overall result is potential production benefits and an animal that does not as easily succumb to health challenges.

*Antler D is a trademark of Head Gear LLC.



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**Proven Performance
for Bigger Bulls**

For more info, contact Leo Windschitl at 218-820-0658
AN_DeerHelp@adm.com • www.ADMAnimalNutrition.com/wildlife



The Results Are Striking

NAEBA Competition All Time Rankings

Non-Typical Hard Antler Scoring

Spikers	2 Yr. Olds	3 Yr. Olds	4 Yr Olds	5 Yr. Olds
Top 2 All Time	Top 3 All Time	Top 3 All Time	#2 All Time	Top 2 All Time
Only 1 >300"	6 of Top 8	3 of 4 >500"	1 of 2 >550"	2 of 3 >575"
6 of 12 >200"	6 of 11 >400"	7 of 14 >450"	2 of 9 >500"	

Velvet Weights

2 Yr. Olds	3 Yr. Olds	4 Yr. Olds
Top 5 All Time	3 of Top 4 All Time	#1 All Time
15 of Top 22	5 of 9 >32#	
24 of 44 >20#		

"Want Production Like This?"

"It Takes World Class Cows Bred To Great Bulls That Are Passing On"

"Mohlman Elk Farm is releasing the first group of Maggie 13 cows as part of our bred cows for sale. This package could include Styx, Stryker and Fury's dams. Call for details."



**STRYKER
STYX SON**

- On pace to be bigger than last year
- Scored over 600" with a 66" inside spread at 5 in 2017 unofficial
- 561 5/8" official 1st place 2017 NAEBA 4-Year-Old Non-Typical Class 582" with his 56" spread unofficial
- 1st Place 2016 NAEBA 3-Year-Old Non-Typical Class 519 1/8" official, 542" with his 56" actual spread unofficial



**HYSTERIA
TEQUILA SON**

- Looking Good in 2018 at 5
- 550" at 4 unofficial in 2017
- 1st Place NAEBA 2017 3-Year-Old Non-Typical Class at 544 7/8" official, 556" unofficial with his 48" actual inside spread. Highest official score for a 3 year old!
- 1st Place NAEBA 2016 2-Year-Old Non-Typical Class at 451 5/8" official, 458" unofficial with his actual spread. Highest official score for a 2 year old!

2012, 2013, 2014, 2015,
2016 and 2017 Velvet
Premier Breeder
Award Winner



Stryker's backview"

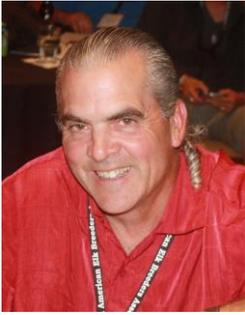
**MOHLMAN
ELK FARM**

2015, 2016 and 2017
Non-Typical Hard Antler
Premier Breeder
Award Winner

Eric, Kim, Chase and Kyra Mohlman

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Board Blog by Mark Luedtke, MnEBA Vice President



Hello everyone,

I hope all is well with you, your families and your farms. I don't know about you, but I do enjoy fall; the sounds of elk bugling are in the air and after a hectic pace of putting up feed, shipping bulls and setting up breeding groups, I can enjoy the season in preparation for winter. There is a part of me (my aching body) that looks forward to a season that involves less physical activity and abuse to my body and more mental challenge and time on my computer.

I have talked in the past about doing my strategic and business planning in the winter season and I do look forward to it. The only constant in business or life is change; we are in a changing marketplace and it is in these times that it's critically important to review your plan and assess the situation. Remember, our industry is not unique or immune to marketplace changes; all industries and marketplaces change. I believe it is up to you to decide if you want to throw in the towel, just stay alive, or thrive in a changing environment. I don't have all the answers, but I do know we raise a very special and unique animal. When you look at the special and unique attributes of elk and the current trend in our society to live healthy, eat healthy and buy local, I believe there is an opportunity.

The State Fair was another great success and I would like to thank everyone that helped make it possible. It is vitally important that we are in the public promoting our industry. It is interesting to me in the few short years that I have been at the fair, how I have witnessed the change related to the awareness of and interest in antler dog chews and elk meat as a healthy choice. I have noticed a higher number of people each year that are aware of our products and better yet are willing to purchase them with less concern of the prices and more concern/interest in the value. Thanks again to all but especially to Greg Lubinski for his dedication and effort in making it a success.

In October I will be attending the USAHA meeting once again so let me know if you have any concerns or items I should be aware of.

Hope you all have a great season,
Mark

MnEBA Kitchen

The following is a great dish to serve to hungry workers during the harvest season! If you don't have a big crowd, this also freezes well for a future busy day!

Meatloaf Meatballs

2 lbs. elk burger	1 Tbsp. Worcestershire sauce
1 large egg	1 tsp. yellow mustard
1 C. milk	½ tsp. salt
1 medium onion, diced	¼ tsp. pepper
1 1/2 C. panko breadcrumbs	2/3 C. ketchup
1/4 C. diced green bell pepper	1/3 C. brown sugar
1 garlic clove, minced	



In a bowl, combine the first 11 ingredients by hand. Once combined, use a small ice cream scoop to form the meatballs and place (touching) on a baking sheet lined with tinfoil. Bake them in a 350 degree oven for 20 minutes. Meanwhile, mix together the ketchup and brown sugar, set aside. Remove the meatballs after 20 minutes and brush with the sauce. Return to the oven and bake for 20 more minutes. Serve or freeze. Makes approx. 25 meatballs.

DNR Update

Hunting & CWD sampling

Where and When to Get Deer Tested

Mandatory testing will occur during the opening weekend of the Statewide (A) and Late Southeast (3B) seasons, Nov. 3-4, 2018, and Nov. 17-18, 2018.

Note: Specific rules and restrictions apply in the CWD Management Zone, DPA 603. Visit the DPA 603 page if you are hunting there.

Central & north-central surveillance areas

For 2018, the opening weekend (Nov. 3-4) mandatory sampling areas have been narrowed down to within 15 miles of positive deer farms. Hunters should refer to the maps to be aware if they are hunting within these DNR sampling areas:

- **North-central** – all of deer permit areas (DPA) 242 and 247
- **Central** –
 - DPA 277 and 283 east of Highway 4
 - DPA 219 south of Highway 55
 - DPA 285 north of Highway 7

Southeast surveillance area, excluding the CWD management zone

For 2018, sampling is expanded because of a CWD-positive deer farm in Winona County, additional wild positive deer found in bordering states and two positive wild deer in Forestville State Park. Sampling is mandatory during the first two days of the Statewide (A) and Late Southeast (3B) seasons:

- November 3-4. All of DPA 255
- November 3-4 and November 17-18. All of DPAs 341, 342, 343, 344, 345, 346, 347, 348, and 349

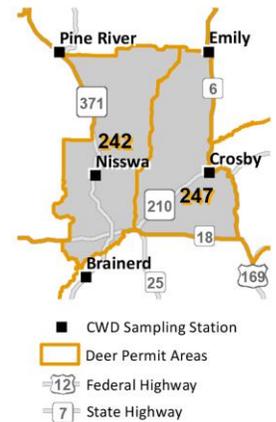
Note: Specific rules and restrictions apply in the CWD Management Zone, DPA 603. Visit the DPA 603 page if you are hunting there.

Deer Movement Study in SE Minnesota

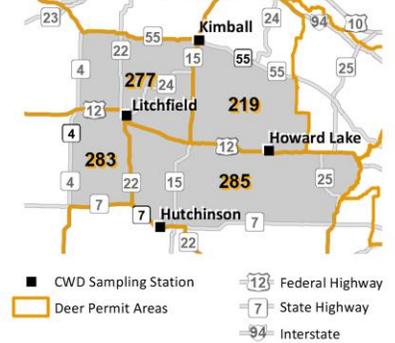
As of July 2018, 31 percent of adult bucks, 29 percent of juvenile bucks and 33 percent of juvenile does have traveled more than 5 miles (8 km) from their capture locations in March 2018. Preliminary analysis suggests that juvenile does disperse at similar rates in spring compared to juvenile bucks. The longest movement measured so far is that of a juvenile doe that has traveled 75 miles from where it was collared. As of July 30, 2018, 11 deer have slipped their collars and 10 have died.

See the most current movement maps and watch the day by day progression of animals that have moved many miles by going to <https://www.dnr.state.mn.us/cwd/deer-movement-study.html>.

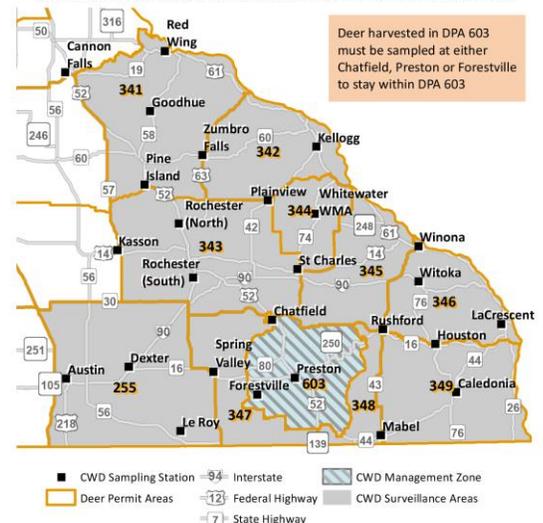
North-central Sampling Stations
(Sampling all of DPA 242 and 247)



Central Sampling Stations
(Sampling portions of DPA 277 and 283 east of STH 4, the portion of DPA 219 south of STH 55 and the portion of DPA 285 north of STH 7)



SE and CWD Management Zone Sampling Stations
(Sampling all of DPA 255, 341, 342, 343, 344, 345, 346, 347, 348, 349 and CWD Management Zone 603)



Vet Corner by Glen Zebarth, DVM

I saw the following article in The Furrow magazine a few weeks ago and thought this was pretty fascinating. Could Genome research have an impact on CWD in cervids someday? See following excerpts from the article.

The CRISPR Revolution

Genome editing advances plant and animal breeding, promising to change the agricultural landscape in the 21st century

By Dean Houghton, Sept/Oct. 2018 The Furrow

Coiled into the chromosomes of every cell in a living organism is the double/helix molecule called deoxyribonucleic acid, or DNA. The DNA molecule is only about 20 angstrom units in diameter – a mere 1/79-billionth of an inch – but it contains a long string of chemical “letters” that spell out an instruction manual for every part and process needed to support life in an organism.

This genome contains a lot of letters; about 2 billion if for a corn plant, nearly 3 billion for a human. It would take about 50 years for a typist, cranking out 60 words per minute for eight hours a day, to get that many characters on paper.

And it produces what appears, at least on the surface, to be a pretty darn boring read. There are only four letters; they represent cytosine, guanine, adenine, and thymine, the four nucleobases that, in various combinations of C,G,A, and T, describe genes and other genomic factors that determine the characteristics of a plant or animal.

To a scientist however, those strings of letters sometimes describe a puzzle worthy of a good mystery novel. It was just such an enigma that eventually produced a precise new tool for genome editing, called CRISPR-Cas, with potential to impact the agricultural landscape in the 21st century. “What makes CRISPR such a powerful, revolutionary technology is its precision,” says Kan Wang, an Iowa State University agronomy professor and co-director of the Crop Bioengineering Center. “It brings a new level of efficiency to plant breeding. Conventional breeding requires us to throw darts and hope we hit the target,” she continues. “With CRISPR, we now can just walk up to the dartboard and put it in the bulls-eye.”

Wang points out that CRISPR-Cas becomes an extremely powerful tool when teamed up with knowledge gained from sequencing the genome of important agricultural crops and livestock. The CRISPR-Cas system can help make improvements to just about any aspect of a crop, from better yield to improved resistance to disease.

Using a genome-editing tool can also help speed the development of plants with a desired trait. In fact, the first CRISPR commercial ag product to hit the farm gate likely will be a Pioneer waxy corn hybrid that is well on its way through the development pipeline.

Researchers at the University of Missouri used CRISPR-Cas to alter a few letters of the pig genome and came up with a break-through – piglets that were resistant to the devastating disease called porcine reproductive and respiratory syndrome (PRRS).

The Missouri researchers, along with Kansas State University scientists and a commercial partner, Genus plc, have published their studies; the concept could have a significant impact on how diseases are addressed on other livestock species. “One of our goals is to produce animals that don’t have to be vaccinated against disease,” says Randall Prather, Curators’ Distinguished Professor at Missouri. “We are going to see CRISPR used to make animals that require less management and are more efficient.”

Just how much impact the CRISPR-Cas system has on agriculture may depend on how it is regulated. Crops are getting the green light; since there are no “outside” genes being brought in, these are not transgenic crops. It’s a different story for livestock. The U.S. Food and Drug Administration stance is that, even if one letter of the genome is changed, the animal will need to go through the same process as a new drug approval – a long and costly effort.

Minnesota Elk Breeders Association

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OFFICE HOURS
8:30-11:30 a.m.
Mondays, Tuesdays &
Thursdays

Calendar of Events

January 11-12, 2019 – MnEBA Annual Conference, Minneapolis Sheraton West, Minnetonka, MN

March 8-9, 2019 – Alberta Elk Commission AGM and 2019 March Mingle, Fantasyland Hotel, Edmonton, AB

March 8-10, 2019 – Outdoor News Deer & Turkey Classic, Warner Coliseum, State Fairgrounds, St. Paul, MN

August 1-3, 2019 – NAEBA Annual Convention & International Antler Competition, Capitol Plaza Hotel & Convention Center, Topeka, KS

Classified Ads

For Sale: (6) 2018 heifer calves out of 470" genetics. \$500 each. Ted Mehrkens, Mazeppa, MN, 507-843-5636.

For Sale: (15) 2016 bred heifers in December. Wide typical frame breeding, top genetics without the high price. Just \$1,300 each, almost meat price. Call Roger Nietfeld, Melrose, MN, 320-247-0256.

Services Offered: Outback Fence & Fabrication is here for all your fencing needs. We specialize in - Exclusion Fencing, Trellis Fencing, Chain Link Fencing, Woven Wire Fencing, Steel and Wood Post Fencing. We fabricate fences and enclosures for applications like Deer, Elk, Bison, Livestock (cattle, horses, goats, sheep, etc.). We are also here for your fabrication needs specializing in - Livestock Equipment (feeders, bunks, cattle gates, buckets, etc.), Repair and Modification (trailers, wagons, tractors, machinery, etc.), Custom Entry and Enclosure Gates, In Shop or On-Site Equipment and Machinery Repair Services. Contact us today with questions or an estimate on your project at 507-951-7632 or outbackfence@hotmail.com. Book for your fencing needs and projects for 2018 now! Visit our website at www.outbackMN.com.

Wanted: Grande Natural pays competitive prices for Elk Hard Antler drops or cutoffs, spikes, buttons, etc. AND we will pay UPS shipping if you cut them down and pack 'em up. Call Rich at 719-580-0661, or email Rich@ElkUSA.com.

Wanted: Any and all elk meat animals, trophy bulls, breeding stock or whole herds. Brian Wagner, 612-366-5078

For Sale: Semen from White Lightning and Piranha. Call Jay Pronschinske at 507-458-7970.

Wanted: Grande Natural buys Elk or Whitetail meat animals delivered to Crescent Meats, Cadott, WI or Eickman's, Steward, IL. We will meet or beat the competition on the rail price. Looking for fleshy critters generally 3 years and older on cows, 2 years and older on bulls. Call 719-657-0942 or email Rich@ElkUSA.com.

MINNESOTA ELK BREEDERS ASSOCIATION

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