SATURDAY
APRIL 6TH, 2019
12:00 PM EST

Wye Research and Education Center
Queenstown, MD

41ST ANNUAL
WYE ANGUS SALE

SELLING:
5 Cow/Calf Pairs
3 Bull Et Pregnancies
7 Heifer Et Pregnancies
23 Yearling Bulls

WYE Angus • Eddie Draper • 410-827-6016 • 410-310-9286 evenings
410-827-7821 fax • edraper@umd.edu • go.umd.edu/wyeangus
**2017 Grainfed Steer Carcass Data**

<table>
<thead>
<tr>
<th>Weaning Weight</th>
<th>Yearling Weight</th>
<th>Live Weight</th>
<th>HCW</th>
<th>Dress %</th>
<th>BF</th>
<th>REA</th>
<th>KPH %</th>
<th>Yield Grade</th>
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“The Wye Angus Beef Program has worked extremely well in the University of Maryland dining rooms. Students ask for Wye Angus Beef and line up when it is served. From Burgers to Prime Rib the beef has great flavor, tender and the quality that can’t be compared.”

John T. Gray  
Sr. Executive Chef  
University of Maryland  
Dining Services
Selling:
• 5 Cow/Calf Pairs
• 3 Bull ET Pregnancies
• 7 Heifer ET Pregnancies
• 23 Yearling Bulls

Auctioneer: Ken Brubaker
(540) 908-5799

Sale Time: 12:00 PM EST
Sale Location: Wye Research & Education Center, 2016 Carmichael Road, Queenstown, MD 21658
Sale Day Phone: (410) 827-6016
Evening Phone: (410) 310-9286 – Eddie Draper
Email: edraper@umd.edu
Website: go.umd.edu/wyeangus

Pre-Sale Hospitality:
Hors d’oeuvres at the barn Friday, April 5th, 5:00 to 7:00 PM.

Lunch: Complimentary lunch will be served on sale day.

Herd Health:
All bulls will be fertility tested within 30 days prior to the sale and will have passed a breeding soundness examination. Cattle will be accompanied with proper health certificates for immediate shipment.

Liability:
All persons attending the sale do so at their own risk. University of Maryland College of Agriculture and Natural Resources, Wye Research and Education Center, Wye Angus assumes no liability, legal or otherwise for any accidents that may occur.

Delivery:
Free delivery on all cattle within 200 mile radius from Wye. Outside 200 mile radius, maximum delivery charge of $300.00 per head to central points in the Continental United States. Wye Angus will determine delivery schedule. Alternate trucking available.

Terms and Conditions:
All cattle sell under the standard terms and conditions of the American Angus Association. Buyers are encouraged to remove their cattle immediately following the sale. Cattle not removed sale day will be automatically insured at the sale price and at the buyers expense. The cost of insurance will be added to the buyer’s invoice at the rate of $1.75/$100 for a 30 day term.

Hotels:
Quality Inn, Grasonville, MD (410) 827-5555
Ask for the Wye Angus Sale Rate of $89.99

Best Western Kent Narrows Inn,
Grasonville, MD (410) 827-6767
Ask for the Wye Angus Program Sale Rate of $89.00

Fairfield Inn & Suites, Easton, MD (410) 822-0050
Ask for the Wye Angus Sale Rate of $139.00

Holiday Inn Express, Grasonville, MD (410) 827-4454

Insured by:
James F. Bessler (815) 762-2641

One-Third Semen Interest
Wye Angus is retaining one-third semen interest in several bulls with no possession. Wye Angus may, at the buyer’s convenience, collect semen from the said bull for within herd or commercial use. The buyer receives two-third interest full possession of said bull and is in no way limited in activities with the bull or his semen. Either party may promote and merchandise semen from said bull. Either party may sell their interest in said bull at any time and is only required to notify the other owner that the transaction has occurred.

Wye Angus retains a semen interest in several bulls from each calf crop for use in future breedings at Wye. We offer the semen publicly through semen sales to compare the Wye genetics to the general Angus population in a wide variety of environments and management styles. It is not the intention of Wye Angus to compete with the new owner of the bull in semen sales. Wye Angus is willing to consider separate agreements regarding the promotion and merchandising of semen from said bull.

Epds
Are current as of February 8, 2019

Teleauction
Phone: (888) 259-0463
Participant Passcode: 48910183 then #
For those wishing to bid by conference call, we will have a line set up on sale day. The procedure will be as follows:
1) To join the teleauction please call the Wye Angus office (410) 827-6016 no later than 11 AM Saturday morning to receive a bid number and sale order. If you have email or a fax number we can email or fax you the sale order.
2) 5 Minutes prior to sale time (12:00 PM EST), call the teleauction number (888) 259-0463 then enter the participant passcode: 48910183 then #.
3) Once you are connected, a Wye Angus representative will be your link to the auctioneer. You should be able to hear the auctioneer in the background.
4) To bid, indicate your buyer number to the Wye Angus representative. You should be able to hear the auctioneer in the background.
5) We ask that everyone refrain from any other conversations during the conference call.

Internet Bids:
Real-time bidding via the internet for this sale. Live audio and live video will allow buyers to bid on animals just as if they were present at the sale. To register and follow the auction in real time on the internet, log on to Website: http://www.liveauctions.tv. For More Information, call Margo Paeltz (937) 515-1194 or Mariah Miller (712) 294-4731.
Dear Friends of the Wye Angus Program,

The legacy of the unique Wye Angus herd continues to be a tremendous point of pride for the College of Agriculture and Natural Resources and for me personally as I move into my fourth year as dean. I am excited and honored to invite you to the 41st Annual Wye Angus sale scheduled for Saturday, April 6, 2019 at 12 pm at the Maryland Agricultural Experiment Station (MAES) beef farm in Queenstown. I look forward to meeting some of you who have been regular attendees over the years and other first timers.

This year we are pleased to offer five cow/calf pairs, 10 ET Pregnancies and 23 yearling bulls complete with the high quality characteristics that encompass the distinct excellence of Wye Angus.

The college is committed to working with MAES Researchers, Extension Educators, and academic units to address challenges facing the beef industry using the Wye Angus program in areas of production as well as animal health, environmental quality and sustainability. An esteemed internship program with the Wye Angus herd has afforded our students unique opportunities to work with cattle that is envied around the world and to incorporate those experiences into career pursuits. The Wye program is one of many across our college that illustrates how we are living the land-grant mission in order to advance the well-being of Maryland citizens.

The University of Maryland Wye Angus program will remain an international leader in production research and I hope that you appreciate the quality cattle the program has produced for this year’s sale. Thank you for your past support and I look forward to meeting you and enjoying the sale on April 6.

Sincerely,

Craig Beyrouty
Dean and Director

Edward C. Draper           Kevin W. Morgan
Program Manager
Herd Manager

WELCOME

Wye Research and Education Center appreciates the continued support it receives from these honored guests:

Mrs. Arthur A. Houghton, Jr.
Dr. Craig Beyrouty
Dean of College and Director,
Maryland Agricultural Experiment Station and
University of Maryland Extension

Dr. Adel Shirmohammadi
Associate Dean and Associate Director
Maryland Agricultural Experiment Station

Dr. Ken Staver
Acting Center Director
Wye Research & Education Center

IT IS A PLEASURE TO WELCOME YOU TO OUR 41ST ANNUAL SALE AT WYE ANGUS.

Included in this sale offering will be 5 cow/calf pairs, 10 ET pregnancies and 23 yearling bulls. We have selected five cows sired by Bear of Wye UMF 6591, Forceful of Wye, Buary of Wye UMF 10093 and Brassard of Wye UMF 9936.

The ET pregnancies include five heifer and one bull embryo sired by Palladium of Wye out of our Prince of Malpas daughter Blackbird of Wye UMF 10121. Two heifer and two bull embryo’s sired by Laveron of Wye out of our Palladium of Wye daughter Pride of Wye UMF 10125. Both Blackbird of Wye UMF 10121 and Pride of Wye UMF 10125 are pathfinders and come from the heart of our breeding program.

The 23 yearling bulls are of moderate frame, good on their feet and legs and carry plenty of thickness. We will be retaining a one-third breeding interest on a few of the yearling bulls, which we will note in the catalog.

Looking forward to seeing you on Saturday, April 6, 2019.

Edward C. Draper           Kevin W. Morgan
Program Manager
Herd Manager

THIS YEAR WE ARE PLEASED TO PRESENT OUR SALE USING VIDEO PROJECTION. WHILE NO ANIMALS WILL BE RUN THROUGH THE SALE RING, THE CATTLE WILL BE JUST OUTSIDE THE SALE BARN FOR YOUR VIEWING PRIOR TO AND THROUGHOUT THE SALE.
Wye Plantation has been farmed without interruption since the 17th Century. One of its early owners was William Paca, signer of the Declaration of Independence and first governor of Maryland. Paca, who died in 1799, is buried at Wye Plantation. His heirs sold the property to a Centreville, Maryland family whose descendants owned it until 1937 when it was purchased by Arthur A. Houghton.

Houghton, then chief executive of Steuben Glass, employed James B. Lingle, an experienced cattleman, to manage Wye Plantation. While they had different business backgrounds, these two men had similar beliefs in quality. Houghton was determined to make the finest glass in the world, and Lingle was determined to create greater beef cattle than the world had ever known-cattle that would be great in size, fine in quality, and economically profitable.

Although Lingle had previously worked primarily with dairy cattle, he admired the production qualities of Angus, particularly the uniformity of the breed. Once Houghton and Lingle agreed on Angus as the breed of Wye, they began selecting stock for the new herd.

They started with 18 heifers and a bull calf, purchased in 1938. The 18 heifers are all the females that Wye Plantation has ever purchased. Twelve of the cow families they represented are still present in the Wye herd today. The bull calf, Blakeford Buxton, was a combination of Earl Marshall and Blackcap Revolution breeding.

Lingle searched for cattle with larger than usual frames. He knew that the larger, taller animals had a "rangier" chassis on which to hang more meat without any sacrifice in carcass quality. His first heifers all proved to be consistent breeders, good mothers, satisfactory milkers, and were blessed with longevity. Outstanding among the first 18 Wye heifers was Capearl #82 who dropped her last calf at the age of 18.

NAMING OF THE WYE HERD

There are nine families left here at Wye. These family names include Lullaby Lottie, Pride of Aberdeen, Queen Mother, Alexina, Ballindallach Blackbird, 2nd Br. Blackbird, Clova, Golden Madge and Miss Copeland.

The Wye cattle are named by following the maternal side of the pedigree. The cows are registered using the actual family name followed by their ID number (ex. Lot 1 is Clova of Wye UMF 10365). The bull names are picked using the first letter of the family name followed by their ID number. (Ex. Alap of Wye UMF 8329 comes from the Alexina family). The (UMF) included in the name which stands for University of Maryland Foundation was added to all cattle born after the University of Maryland Foundation was gifted the herd in 1978.

SCOTTISH INFLUENCE

At the time Wye’s herd was beginning, American breeders were raising Angus according to the standards then dictated by the show ring-small, compact, “baby-beef” type animals. Lingle wanted large-framed cattle, and he noticed the great size of Scottish-bred cattle. He particularly liked the “growthiness” of Scottish bulls.

Consequently, in 1941 and 1946 respectively, Wye added two Scottish-bred bulls to the herd. These were Juryman of Wickwire and Puck of Wickwire, both imported to the United States “in dam” from Scotland and born at Wickwire Farm in Earleville, Maryland.

In 1957, Lingle made a trip to the British Isles in search of more big-framed bulls to add to the Wye herd. His purchases included bulls from Scotland, Ireland, England, and Wales. Among these bulls was Imp. Prince of Malpas from the famous Harviestoun herd in Scotland. Prince was a bull of great proportion who sired some of the most feminine females developed at Wye Plantation during the 1960’s. He also sired some high performing sons that met with considerable demand. Other imports included Jai of Frampton from Wales, noted for his tremendous muscle expression; Valour of Ardrass; and George Swiftbrook were sons of Prince Paul of Barnolby from Ireland and both bulls were of exceptional height, length, and overall frame. A total of 25 bulls were imported from the British Isles by Wye Plantation between 1941 and 1959. Since then no outside or “new blood” has been added to the Wye Angus herd.

In 1979, Mr. Houghton gifted the University of Maryland with the Wye Angus herd. The private, nonprofit University of Maryland Foundation was created to accept and hold the gift for use by the University, and remains the legal owner of the herd today.

Within the University System of Maryland, the Maryland Agricultural Experiment Station was charged with managing the herd on a daily basis and it continues to do so today. With acceptance of the herd gift, the University agreed to make any animals deemed excess to research needs available for the general public in some equitable fashion. The agreement to the annual public auction of Wye Angus cattle held each April since 1979.

THE UNIVERSITY OF MARYLAND WYE ANGUS PROGRAM TODAY

We have had some interesting programs and videos that we hosted at Wye Angus in 2018. Maryland Public Television did a feature on our sale that aired in November on their “Farm to Harvest” program. You can watch the segment on our website under the tagline “Newsletters/Articles and Research”. Racheal Slattery, our Beef and Dairy Specialist in the Department of Animal Sciences put on two programs at the farm this fall.

Wye Angus began supplying grain fed and grass fed beef to the University of Maryland Dining Services. Dr. Jiuzhou Song continues his project examining the effects of finishing cattle on an alfalfa and orchard grass diet alters the epigenetic status of genes affecting beef quality and the fatty acid profile. We have finished our sixth group of grassfed-vs-grainfed steers and Dr. Song has generated four scientific papers from this project.

Dr. Zhengguo Xiao has initiated a project involving Ostertagia Ostertagi, the most economically important gastrointestinal nematode parasite in the cattle industry. He will be comparing parasite levels in both our grain fed steers and grass fed steers.

ANNUAL SALE

It’s a Wye Angus tradition to hold its annual sale the first Saturday in April each year.
Lot 1

**CLOVA OF WYE UMF 10365**

Calved: 01/28/13  •  Tattoo: 10365  •  Reg: 17540484

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A pathfinder daughter of Bear of Wye UMF 6591, Clova of Wye UMF 10365 has a BW ratio of 99, WR of 111 and a YR of 105 on her four progeny. Her 2019 calf is sired by Claws of Wye UMF 10825.

Lot 2

**QUEEN MOTHER OF WYE UMF 10369**

Calved: 01/28/13  •  Tattoo: 10369  •  Reg: 17606164

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<td>+32.66</td>
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Queen Mother of Wye UMF 10369 is a Forceful of Wye daughter out of the best Fahren of Wye UMF 5830 daughter we ever produced. We sold a son sired by Larkspur of Wye UMF 11530 in our 2017 sale and retain a daughter sired by Carpus of Wye UMF 10684. Her 2019 calf is sired by Central of Wye UMF 11035.

Lot 3

**BLACKBIRD OF WYE UMF 10471**

Calved: 03/07/13  •  Tattoo: 10471  •  Reg: 17540523

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The result of a maternal half sib mating, Blackbird of Wye UMF 10471 has a unique pedigree in that her paternal grand sire, George of Swiftbrook and her maternal grand sire, Prince of Malpas, were instrumental in the early years at Wye. We have sold her son, sired by Larkspur of Wye UMF 10530 and retain a daughter sired by Carpus of Wye UMF 10684. She sells with a heifer calf sired by Claws of Wye UMF 10825, born 02/18/19.
Queen Mother of Wye UMF 10581 is a sound functional daughter of Brassard of Wye UMF 9936. 10581 traces two generations back on the bottom side to an outstanding Bonanza of Wye daughter 9141. We have retained both of 10581’s daughters sired by Leodore of Wye UMF 10536 and Carpus of Wye UMF 10684. She sells with a heifer calf sired by Larkspur of Wye UMF 10530, born 02/17/19.

Clova of Wye UMF 10641 is the second Brassard of Wye UMF 9936 daughter to sell. We have retained a daughter sired by Leodore of Wye UMF 10536 and sold her son sired by Carpus of Wye UMF 10684. 10641 traces back to a highly productive Codova daughter 8759. She sells with a heifer calf sired by Leodore of Wye UMF 10536, born 02/22/19.
**Et Pregnancies**

**Female Pregnancy Due Sept 2019**

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**Female Pregnancy Due Sept 2019**

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**Female Pregnancy Due Sept 2019**

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**Female Pregnancy Due Sept 2019**

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**Female Pregnancy Due Sept 2019**

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**Male Pregnancy Due Sept 2019**

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<th>Lot</th>
<th>Recip: 10891 Brick X 10459 (MGS Brassard)</th>
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**PALLADIUM OF WYE**

Blackbird of Wye UMF 10121 has a WR of 104 and a YR of 103 on six calves, which qualifies her as a pathfinder. 10121 is the dam of Barrage of Wye UMF 10869 who sold in our 2017 sale and Breck of Wye UMF 11029 who sold in our 2018 sale. We have retained one daughter sired by Quincuius of Wye UMF 9948, and her daughter sired by Buarry of Wye UMF 10093 sells as Lot 3. Palladium of Wye sires straight-topped, good uddered females as evidence by the picture below of Pride of Wye UMF 10125.

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**BLACKBIRD OF WYE UMF 10121**

Blackbird of Wye UMF 10121 has a WR of 104 and a YR of 103 on six calves, which qualifies her as a pathfinder. 10121 is the dam of Barrage of Wye UMF 10869 who sold in our 2017 sale and Breck of Wye UMF 11029 who sold in our 2018 sale. We have retained one daughter sired by Quincuius of Wye UMF 9948, and her daughter sired by Buarry of Wye UMF 10093 sells as Lot 3. Palladium of Wye sires straight-topped, good uddered females as evidence by the picture below of Pride of Wye UMF 10125.

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**LAVERON OF WYE**

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**Pride of Wye UMF 10125**

Pride of Wye UMF 10125 is a pathfinder daughter of Palladium of Wye. 10125 has a WR of 112 and a YR of 109 on six calves. We have sold two of her sons and retained three of her daughters. Laveron of Wye is a son of Favour of Wye and his maternal lineage of Loanda of Wye, Loania of Wye and Luria of Wye would stack this pedigree with three of the more productive cows in Wye’s history.
Legus of Wye UMF 11141 is a Logan of Wye UMF 6692 son out of a good young Brenton of Wye UMF 10171 daughter. Legus’s maternal grand-dam, 9078 is a 15 year old Alap of Wye UMF 8329 daughter.

The second son of Logan of Wye UMF 6692 to sell, Corbic of Wye UMF 11142 is out a first calf heifer and traces back to one of our best Leonid of Wye daughters 6767, on the bottom side of his pedigree.

A moderate framed, thick son of Leelo of Wye UMF 10689, Burman of Wye UMF 11143 is out of a Larkspur of Wye UMF 10530 daughter and has an impressive Cow Energy value of +40.95.
Cormac of Wye UMF 11146

Cormac of Wye UMF 11146 has a solid WR of 108 and YR of 104 and is out of a first calf heifer, 10836, who is a full sister to a bull we have kept, Claws of Wye UMF 10836.

Bandier of Wye UMF 11151

Bandier of Wye UMF 11151 is an ideal heifer bull out of a Balgain of Wye UMF 10405 daughter. Three generations back is an outstanding Alap of Wye UMF 8329 daughter, 9025.

Cartland of Wye UMF 11154

Frame and growth would describe Cartland of Wye UMF 11154. Sired by Laveron of Wye. Cartland is out of a productive Bear of Wye UMF 6591 daughter. Wye will retain 1/3 breeding interest.
Murton of Wye UMF 11155 is a long and tall son of Columbus of Wye. Murton is out of a pathfinder Briar of Wye UMF 9024 daughter, 9597, with an impressive cow energy value of +46.74.

The first son of Lottie of Wye UMF 9634 to sell in this year’s sale, Lanzi of Wye UMF 11159 is an extremely thick son of Logan of Wye UMF 6692. 9634, also the dam of Lajos, Leverett, Lodi and Leelo who sold for $8500 in our 2018 sale. Wye will retain 1/3 breeding interest.

Mandells of Wye UMF 11160 is the second son of Columbus of Wye to sell. Mandells has a solid 13.55 REA and the third highest marbling score of 4.62. Wye will retain 1/3 breeding interest.
Binford of Wye UMF 11163 has a pedigree stacked with outstanding cows including 5220, 9787 and 10382 who are all pathfinders.

The second son of Lottie of Wye UMF 9634 to sell, Landon of Wye UMF 11164 is a son of Banjo of Wye UMF 6413 with the second highest ADG of 3.9. Wye will retain 1/3 breeding interest.

Quigley of Wye UMF 11170 is the first Claymont of Wye UMF 10834 son to sell who has the highest marbling score of 5.56 and a sold ADG 3.7.
The last of three Columbus of Wye sons to sell Moclas of Wye UMF 11174 has a solid SC of 34 CM and a Cow Energy value of +46.74.

Qadon of Wye UMF 11202 would be another good choice for a heifer bull. His dam, Queen Mother of Wye UMF 10372 is a moderate framed cow with an excellent udder.

Lasham of Wye UMF 11207 would be Lottie of Wye UMF 9078’s sixth bull calf that we have sold. Production and longevity stamp this cow. Sired by Carpus of Wye UMF 10684, Lasham’s carcass ultrasound measured in the top one-third for all six traits.
### 31. Clagger of Wye UMF 11213

<table>
<thead>
<tr>
<th>Birth Weight</th>
<th>Weaning Weight</th>
<th>Maternal Milk</th>
<th>Yearling Weight</th>
<th>Cow Energy</th>
<th>Dam’s Mean Ratio</th>
<th>Birth Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1</td>
<td>+18</td>
<td>+17</td>
<td>+27</td>
<td>+28.08</td>
<td>108/2</td>
<td>76</td>
</tr>
</tbody>
</table>

**Birth Data**
- Tattoo: 11213
- Reg: 19237435
- Calved: 02/22/18

**Dam’s Data**
- Lambdin of Wye UMF 6278: 11060743, 11384275
- Blackbird of Wye UMF 6324: 11060794
- Forester of Wye UMF 9604: 16431555, 17051384
- Blackbird of Wye UMF 9182: 15037948
- Elimast of Ballindalloch: 2286652
- Queen Mother of Wye UMF 7829: 12752765

Another Balgain of Wye UMF 10405 son who has a 3.5 ADG and measures in the top one-third for all six carcass ultrasound traits. Out of a young Quincuius of Wye UMF 9948 daughter.

### 32. Blecton of Wye UMF 11224

<table>
<thead>
<tr>
<th>Birth Weight</th>
<th>Weaning Weight</th>
<th>Maternal Milk</th>
<th>Yearling Weight</th>
<th>Cow Energy</th>
<th>Dam’s Mean Ratio</th>
<th>Birth Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>-3</td>
<td>+7</td>
<td>+12</td>
<td>+16</td>
<td>+38.98</td>
<td>92/6</td>
<td>76</td>
</tr>
</tbody>
</table>

**Birth Data**
- Tattoo: 11224
- Reg: 19237436
- Calved: 02/26/18

**Dam’s Data**
- Lambdin of Wye Umf 6278: 11060743, 11384275
- Blackbird of Wye Umf 6324: 11060794
- Forester of Wye UMF 9604: 16431555, 17051384
- Blackbird of Wye UMF 9182: 15037948
- Elimast of Ballindalloch: 2286652
- Queen Mother of Wye UMF 7829: 12752765

Blecton of Wye UMF 11224 is a Carpus of Wye UMF 10684 son out of our George of Swiftbook daughter. Blecton has a 3.8 ADG and measures in the top one-third for all six carcass ultrasound traits.

### 33. Larnack of Wye UMF 11225

<table>
<thead>
<tr>
<th>Birth Weight</th>
<th>Weaning Weight</th>
<th>Maternal Milk</th>
<th>Yearling Weight</th>
<th>Cow Energy</th>
<th>Dam’s Mean Ratio</th>
<th>Birth Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>-7</td>
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<td>+18</td>
<td>+20</td>
<td>+29.44</td>
<td>107/3</td>
<td>74</td>
</tr>
</tbody>
</table>

**Birth Data**
- Tattoo: 11225
- Reg: 19237437
- Calved: 02/26/18

**Dam’s Data**
- Lambdin of Wye Umf 6278: 11060743, 11384275
- Blackbird of Wye Umf 6324: 11060794
- Forester of Wye UMF 9604: 16431555, 17051384
- Blackbird of Wye UMF 9182: 15037948
- Elimast of Ballindalloch: 2286652
- Queen Mother of Wye UMF 7829: 12752765

Larnack of Wye UMF 11225 would be another light birth weight bull with the second highest marbling score of 5.03.
**Yearling Bulls**

**Lot 34**

**Laus of Wye UMF 11230**

Calved: 02/26/18  
Tattoo: 11230  
Reg: 19237439

<table>
<thead>
<tr>
<th>Birth Weight</th>
<th>Weaning Weight</th>
<th>Maternal Milk</th>
<th>Yearling Weight</th>
<th>Cow Energy</th>
<th>Dam’s Wean Ratio</th>
<th>Birth Weight</th>
<th>Weaning Data</th>
<th>Adjusted 365 Day</th>
<th>ADG</th>
<th>SCAN DATA</th>
<th>WEIGHT</th>
<th>REA</th>
<th>REA/CWT</th>
<th>SHAPE</th>
<th>IMF</th>
<th>BF</th>
<th>TEND</th>
<th>STRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>+0</td>
<td>+14</td>
<td>+17</td>
<td>+18</td>
<td>+31.51</td>
<td>108/3</td>
<td>74</td>
<td>512</td>
<td>103</td>
<td>101</td>
<td>49.2</td>
<td>34.6</td>
<td>3.4</td>
<td>974</td>
<td>12.63</td>
<td>1.30</td>
<td>0.50</td>
<td>4.20</td>
<td>0.49</td>
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</tbody>
</table>

Laus of Wye UMF 11230 is our first Marle of Wye UMF 10877 son to sell. Laus is out of a good Aledo of Wye UMF 10264 daughter and measured in the top one-third for all six carcass ultrasound traits.

**Lot 35**

**Astro of Wye UMF 11232**

Calved: 02/26/18  
Tattoo: 11232  
Reg: 19237440

<table>
<thead>
<tr>
<th>Birth Weight</th>
<th>Weaning Weight</th>
<th>Maternal Milk</th>
<th>Yearling Weight</th>
<th>Cow Energy</th>
<th>Dam’s Wean Ratio</th>
<th>Birth Weight</th>
<th>Weaning Data</th>
<th>Adjusted 365 Day</th>
<th>ADG</th>
<th>SCAN DATA</th>
<th>WEIGHT</th>
<th>REA</th>
<th>REA/CWT</th>
<th>SHAPE</th>
<th>IMF</th>
<th>BF</th>
<th>TEND</th>
<th>STRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1.7</td>
<td>+20</td>
<td>+22</td>
<td>+36</td>
<td>+19.41</td>
<td>111/6</td>
<td>74</td>
<td>540</td>
<td>109</td>
<td>102</td>
<td>49.9</td>
<td>32.4</td>
<td>3.4</td>
<td>980</td>
<td>11.76</td>
<td>1.20</td>
<td>0.45</td>
<td>3.86</td>
<td>0.43</td>
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</tbody>
</table>

Astro of Wye UMF 11232 boasts a WR of 109 and a YR of 102 along with a hip height of 49 inches. Astro has excellent length and thickness and his maternal brother Allegan of Wye UMF 11030 sold for $5,000 in our 2018 sale. Wye will retain 1/3 breeding interest.

**Lot 36**

**Bronx of Wye UMF 11239**

Calved: 02/27/18  
Tattoo: 11239  
Reg: 19237441

<table>
<thead>
<tr>
<th>Birth Weight</th>
<th>Weaning Weight</th>
<th>Maternal Milk</th>
<th>Yearling Weight</th>
<th>Cow Energy</th>
<th>Dam’s Wean Ratio</th>
<th>Birth Weight</th>
<th>Weaning Data</th>
<th>Adjusted 365 Day</th>
<th>ADG</th>
<th>SCAN DATA</th>
<th>WEIGHT</th>
<th>REA</th>
<th>REA/CWT</th>
<th>SHAPE</th>
<th>IMF</th>
<th>BF</th>
<th>TEND</th>
<th>STRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>+3</td>
<td>+15</td>
<td>+10</td>
<td>+23</td>
<td>+38.24</td>
<td>106/3</td>
<td>74</td>
<td>499</td>
<td>101</td>
<td>104</td>
<td>48.2</td>
<td>33.1</td>
<td>3.7</td>
<td>980</td>
<td>13.71</td>
<td>1.40</td>
<td>0.54</td>
<td>4.44</td>
<td>0.36</td>
</tr>
</tbody>
</table>

Bronx of Wye UMF 11239 is a straight-topped son of Marle of Wye UMF 10877. Bronx had the fourth highest REA measured at 13.71 and gained a solid 3.7 while on test.
QADIM OF WYE UMF 11257

Luthien of Wye #

Carpus of Wye UMF 10684 *

Copeland of Wye UMF 9753

Cedric of Wye UMF 8998

Queen Mother of Wye UMF 9420 #

Queen Mother of Wye UMF 9143

Birth Weight  Weaning Weight  Maternal Milk  Yearling Weight  Cow Energy  Dam’s Wean Ratio  Birth Weight  Weaning Data  Adjusted 365 Day  ADG

+2  +16  +18  +24  +28.13  1129  76  573  116  1149  112  49.0  35.8  3.8  1055  11.98  1.14  0.51  4.61  0.44  25  10

Qadim of Wye UMF 11257 is our highest ratio bull with a WR of 116 and a YR of 112. Qadim has a 35.8 scrotal with an ADG of 3.8. His dam Queen Mother of Wye UMF 9420 is our best Cedric of Wye UMF 8998 daughter. Wye will retain 1/3 breeding interest.

CIMONS OF WYE UMF 11271

Cyrus of Wye

Larkspur of Wye UMF 10530

Lottie of Wye UMF 9078 #

Quon of Wye UMF 10033

Copeland of Wye UMF 10578

Copeland of Wye UMF 9952 #

Birth Weight  Weaning Weight  Maternal Milk  Yearling Weight  Cow Energy  Dam’s Wean Ratio  Birth Weight  Weaning Data  Adjusted 365 Day  ADG

-1.0  +16  +14  +13  +36.86  973  74  517  104  1050  102  47.5  34.1  3.6  950  11.97  1.26  0.50  4.00  0.42  25  10

You would be hard pressed to find two better Alap of Wye UMF 8329 daughters in a bull’s pedigree, which include 9078 and 9952. CIMONS of Wye UMF 11271 has solid ratios across the board and is in the top one-third for all carcass ultrasound traits.

Special Thanks to all the Wye Research and Education Center employees who help on sale day.

Edward (Eddie) C. Draper
Program Manager

Kevin W. Morgan
Herd Manager

Lisa M. Yoash
Administrative Assistant

John (J.W.) Dulin
Agricultural Technician

David Reiff
Agricultural Technician

Ted Conover Jr.
Agricultural Technician

Allie Haynie
Student Intern

Mackenzie (Kenzie) Joray
Student Intern

Photos By: Seth Horstman and Eddie Draper
<table>
<thead>
<tr>
<th>Registration Name</th>
<th>Pedigree</th>
<th>Registration Number</th>
<th>Ultra Sound Data</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>% IMF</td>
<td>Rib Eye</td>
</tr>
</tbody>
</table>
| Aiken of Wye UMF 9464     | Sire: Favour of Wye  
Dam's Sire: Bear of Wye UMF 6591       | 15925959            | 4.90 | 11.00   | 0.39    | $20   | $30       |
| Alap of Wye UMF 8329      | Sire: Manning of Wye  
Dam's Sire: Bear of Wye UMF 6591       | 13641146            | 6.33 | 13.30   | 0.51    | $20   | $30       |
| Aristocrat of Wye UMF 9344| Sire: Fabron of Wye  
Dam's Sire: Bear of Wye UMF 6591       | 15600085            | 4.17 | 11.90   | 0.37    | $20   | $30       |
| Balgain of Wye UMF 10405  | Sire: Bear of Wye UMF 6591  
Dam's Sire: Forester of Wye UMF 9604 | 17606174            | 4.7  | 13.90   | 0.43    | $20   | $30       |
| Bangle of Wye UMF 9480    | Sire: Franchester of Wye  
Dam's Sire: Columbus of Wye       | 15925961            | 6.12 | 12.40   | 0.41    | $20   | $30       |
| Barnabas of Wye UMF 9281  | Sire: Butler of Wye  
Dam's Sire: Columbus of Wye         | 15600071            | 5.17 | 13.20   | 0.39    | $20   | $30       |
| Brassard of Wye UMF 9936  | Sire: Forceful of Wye  
Dam's Sire: Qazil of Wye UMF 9271    | 16813981            | 5.64 | 12.40   | 0.44    | $20   | $30       |
| Briar of Wye UMF 9024     | Sire: Fahren of Wye UMF 5830  
Dam's Sire: Fargo of Wye UMF 5813    | 14794521            | 5.56 | 14.59   | 0.62    | $20   | $30       |
| Brick of Wye UMF 10367    | Sire: Baldric of Wye UMF 10099  
Dam's Sire: Faxton of Wye UMF 8819  | 17606162            | 6.12 | 12.40   | 0.41    | $20   | $30       |
| Bridge of Wye UMF 9158    | Sire: Butler of Wye  
Dam's Sire: Boyd of Wye UMF 8059      | 15141484            | 3.83 | 13.30   | 0.49    | $20   | $30       |
| Brins of Wye UMF 9635     | Sire: Favour of Wye  
Dam's Sire: Alap of Wye UMF 8329     | 16243300            | 6.27 | 12.95   | 0.38    | $20   | $30       |
| Carpus of Wye UMF 10684   | Sire: Luthien of Wye  
Dam's Sire: Bartor of Wye UMF 5609   | 18303503            | 3.58 | 13.00   | 0.52    | $20   | $30       |
| Cedric of Wye UMF 8998    | Sire: Andelot of Wye UMF 5907  
Dam's Sire: Churchill of Wye         | 14794513            | 6.09 | 13.37   | 0.51    | $20   | $30       |
| Clarkson of Wye UMF 9166  | Sire: Favour of Wye  
Dam's Sire: Leonid of Wye            | 15141486            | 5.01 | 13.12   | 0.51    | $20   | $30       |
| Claymont of Wye UMF 10834 | Sire: Leonid of Wye  
Dam's Sire: Alap of Wye UMF 8329     | 18627227            | 4.59 | 14.2    | 0.45    | $20   | $30       |
| Faxton of Wye UMF 8819    | Sire: Aver of Wye UMF 8202  
Dam's Sire: Carter of Wye UMF 8138   | 14511922            | 7.74 | 16.03   | 0.39    | $20   | $30       |
| Forester of Wye UMF 9604  | Sire: Alap of Wye UMF 8329  
Dam's Sire: Favour of Wye            | 16431555            | 4.81 | 13.80   | 0.46    | $20   | $30       |
| Lander of Wye UMF 10387   | Sire: Churchill of Wye  
Dam's Sire: Alap of Wye UMF 8329     | 17609588            | 3.84 | 12.60   | 0.52    | $20   | $30       |
| Larkspur of Wye UMF 10530 | Sire: Cyrus of Wye  
Dam's Sire: Alap of Wye UMF 8329     | 18030544            | 3.64 | 12.70   | 0.46    | $20   | $30       |
| Leadore of Wye UMF 10536  | Sire: Churchill of Wye  
Dam's Sire: Clarkson of Wye UMF 9166 | 18030543           | 4.64 | 13.3    | 0.44    | $20   | $30       |
| Leelo of Wye UMF 10689    | Sire: Churchill of Wye  
Dam's Sire: Barnabas of Wye UMF 9281 | 18255260           | 3.75 | 12.4    | 0.41    | $20   | $30       |
| Logan of Wye UMF 6692     | Sire: Fargo of Wye UMF 5813  
Dam's Sire: Leonid of Wye            | 11413693            | 15.13 | 0.19 | $20   | $30       |
| Lorton of Wye UMF 9055    | Sire: Friars of Wye UMF 7996  
Dam's Sire: Buchwald of Wye UMF 6029 | 14794526           | 4.00 | 12.34   | 0.48    | $20   | $30       |
| Qevin of Wye UMF 9781     | Sire: Elimast of Ballindalloch  
Dam's Sire: Barthor of Wye UMF 5609  | 16409715 Red Carrier | 4.85 | 12.60   | 0.37    | $20   | $30       |
| Quon of Wye UMF 10033     | Sire: Cedric of Wye UMF 8998  
Dam's Sire: Bonanza of Wye           | 16813965            | 5.15 | 11.30   | 0.46    | $20   | $30       |
Relation of %IMF to USDA Quality Grade

<table>
<thead>
<tr>
<th>% IMF</th>
<th>USDA QG</th>
<th>Marbling</th>
</tr>
</thead>
<tbody>
<tr>
<td>.28-2.57</td>
<td>Standard</td>
<td>Prac. Devoid</td>
</tr>
<tr>
<td>2.58-3.89</td>
<td>Select</td>
<td>Slight</td>
</tr>
<tr>
<td>3.90-5.33</td>
<td>Choice-</td>
<td>Small</td>
</tr>
<tr>
<td>5.34-8.55</td>
<td>Choice +</td>
<td>Modest/Mod.</td>
</tr>
<tr>
<td>8.55+</td>
<td>Prime</td>
<td>Abundant</td>
</tr>
</tbody>
</table>

**Beef Image Analysis (BIA) Ultrasound**

BIA live animal carcass ultrasound is an automated, chute-side software system that captures images and calculates trait measurements on an objective basis. The traits determined by BIA ultrasound software are:
- Ribeye Area (REA), Backfat Thickness (BF), Ribeye Area/Hundred lbs Live Weight, (REA/CWT), Percent Intramuscular Fat(%IMF), Ribeye Shape Score (RES), Stress Score (SS) and Tenderness Score (TEND)

Grassfed Beef Standards Optimum Ranges – Harvest Age Animal
- REA = 10-15
- BF = 0.2 – 0.4 inches (at yearling ultrasound)
- BF = 0.4 – 0.65 inches (at harvest)
- REA/CWT = 1.0 – 1.5 (at yearling ultrasound)
- REA/CWT = 1.5 – 2.0 (at harvest – dressed weight basis)
- %IMF > = 3.5% + (USDA High Select or better)
- RES >= 0.50 + SS = <= 2.0  TEND = < + 2.5

**Code Explanation:**
- RES = Ribeye Shape Score. Indicative of desired shape of the ribeye muscle. Correlated to eventual Yield Grade, Cutability, and % Retail Product. Score ranges from 0.0 to 1.0 Acceptable score is 0.5 or greater. Ideal score is 0.65 or greater.
- SS = Stress Score. Correlated to immune system strength of calf. Score ranges from 10-50. 10 = No Stress, 20 = Slight Stress, 30 = Slightly Moderate Stress, 40 = Moderate Stress, 50 = Severe Stress. Impacts DTF, ADG, WDA, TCOG, Health Costs, QG and YG. Ideal score is 2.0 or less.
- Tend = Tenderness Score. Correlated to actual Warner-Bratzler Shear Force (WB) in carcass ribeye steak at 12th rib location. Correlation Coefficients between WB and TEND currently average 0.85 = 0.87. Score ranges from 10-50. 10 = Very Tender, 20 = Tender, 30 = Slightly Tender, 40 = Slightly Tough, 50 = Tough. Ideal score is 25 or less. Acceptable score in yearling bulls is 28 or less.

**QP** = High Select – High Choice

**YG** = <= + 3.9

**HCWT** = 650 – 850 lbs.

Individual traits are color coded to indicate their ranking within contemporary group and in accordance with Grassfed Beef Standards.
- Blue color coded traits rank in the top tier for the respective trait.
- Tan color coded traits rank in the second tier for the respective trait.
- Traits without a color code rank in the third tier and meet the minimum qualifications of the Grassfed Beef protocols, but could use improvement.
- Traits coded in Red Font indicate performance below Grassfed Beef standards.
- REA is not ranked since RES and REA/CWT are much better indicators of carcass retail yield and cutability.

Lot Tattoo  Weight  REA  REA/CWT  Shape  IMF  BF  Tend  Stress

<table>
<thead>
<tr>
<th>Lot</th>
<th>Tattoo</th>
<th>Weight</th>
<th>REA</th>
<th>REA/CWT</th>
<th>Shape</th>
<th>IMF</th>
<th>BF</th>
<th>Tend</th>
<th>Stress</th>
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<tbody>
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<td>16</td>
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<tr>
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<td>10</td>
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<tr>
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<td>1.47</td>
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<td>4.26</td>
<td>0.24</td>
<td>26</td>
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<td>1.16</td>
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<td>1.26</td>
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<td>3.55</td>
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<td>10</td>
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<tr>
<td>24</td>
<td>11160</td>
<td>936</td>
<td>13.55</td>
<td>1.45</td>
<td>0.48</td>
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By Car—From Washington D.C. or Baltimore, MD take Route 50 east to the Chesapeake Bay Bridge (near Annapolis, MD) and continue 12 miles on Route 50 beyond bridge to Carmichael Road. Turn right on Carmichael and continue four miles to Wye Plantation.

By Air—Commercial flights to Baltimore-Washington International Airport (45 miles from Wye) or Washington National Airport (60 miles). Privately chartered air service can also be accommodated at Easton Municipal Airport (19 miles).

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