

The University of Wyoming

Altitude Elite

Bull Test & Sale



Consigner Information

Welcome to the 2023 University of Wyoming Altitude Elite Bull Test!

The University of Wyoming is excited to introduce this opportunity for the public to consign bulls in the first annual University of Wyoming Altitude Elite Bull Test. The test is designed to provide an educational opportunity for students through offering experience in bull management and marketing services. The result will be a genetic offering of sires well suited for the harsh climate of the rocky mountain west. This bull test is a student run organization where bull management and marketing serve as the curriculum. We recognize that many of the students that attend the University of Wyoming within the College of Agriculture, Life Sciences, and Natural Resources will have a career in the livestock industry, and this bull test is an opportunity to provide hands-on experience and career development. The structure of this course is meant to offer students real world experience in livestock handling, nutrition, reproduction, and marketing to enrich education to better prepare students for careers in the livestock industry. Consigners are also encouraged to participate in additional opportunities such as attending PAP (Pulmonary Arterial Pressure) testing, picturing, and the field day. We are working to build this educational platform to cater to both students and the public while marketing bulls that are evaluated on their ability to serve producers at altitude. Bulls will be offered private treaty for this first year, and the main bull showing will be accompanied by an educational field day, covering topics such as high-altitude disease and bull selection along with presentations on current research being conducted at the Laramie Research and Extension Center.

Looking into the future, the test will transition into a more extensive bull test and sale. We will be extending the feeding period to allow for feed efficiency testing using a daily feed intake system. Cattle will need to arrive in November as opposed to January. Furthermore, the marketing format will transition from its current private treaty format to a live auction. Please refer to the *Looking Forward* section below for more details

For additional questions regarding the University of Wyoming Altitude Elite Bull Test, please do not hesitate to reach out and contact us!

Thank you,

The University of Wyoming Altitude Elite Bull Test Team

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Bull Test Timeline



Cattle Requirements

- Cattle must be registered with their respective breed organizations
- Must be born between January 1, 2022, and March 31, 2022
- At time of delivery to the University of Wyoming, bulls must be a minimum of 850 lbs.
- No more than 10 bulls per consigner
- All cattle must be accompanied with a brand inspection at arrival
- Bulls must adhere to the health requirements outlined below
- Consigners must provide proof of negative BVD-PI test prior to arrival
- Bulls must be picked up by April 9, 2023

Space Limitations:

For the inaugural test, we will only be accepting 60 bulls total. Therefore, we have implemented a 10 head per consigner limit. If the consignment deadline is passed and there is room, the consigner limit may be waived to fulfill the 60-bull quota.

Entry Forms:

Entry forms can be submitted either electronically (https://bit.ly/UWBullTest_EntryForm) or by mail. Entries must be postmarked or electronically submitted by December 2, 2022. Electronic submission via Qualtrics will be faster than submission via mail, therefore electronic submissions are encouraged. If you would prefer to submit your entry by mail, contact Shelby Rosasco ahead to reserve your spaces.

Vaccination and health requirements for incoming bulls:

- Proof of negative BVD-PI must be provided prior to arrival at the test facility.
- All cattle must be accompanied by a Certificate of Veterinary Inspection (CVI) that complies with guidelines provided by the Wyoming Livestock Board and USDA/APHIS
- No visible signs of illness, lameness, lice, pinkeye, or other ailment at receiving.
- Viral vaccine for IBR, BVD 1 and 2, BRSV, PI3
 - The most recent vaccination must be at least 3 weeks (21 days) prior to arrival
- Clostridial vaccine
 - The most recent vaccination must be at least 3 weeks (21 days) prior to arrival
- Anthelmintic of choice

Our Recommended Vaccination Protocol:

- **Preconditioning**
 - MLV vaccine for IBR, BVD 1 and 2, BRSV, PI3.
 - Clostridial 8-way vaccine
 - Anthelmintic of choice
- **Weaning**
 - Booster of preconditioning vaccines

***Due to repeated needle puncture (pulmonary artery catheterization), bulls may be at risk of contracting BLV (Bovine Leukosis). Serological testing at the end of the test can be provided upon request. ***

Feed:

Upon arrival to Laramie, bulls will be fed a high roughage diet with a supplement consisting of corn, dried distillers grains, and soybean meal. This diet will be fed to target 2.5 pounds of gain per day.

Due to the condensed length of the test, and harsh winter conditions in Laramie, bulls are at a higher risk of decreased gain. To avoid this decrease in performance, we recommend that consigned bulls are on a positive plane of growth and "bunk broke" prior to their arrival.

Health:

Treatment will be administered at our staff's discretion following our health management guidelines and consultation with our attending veterinarian. Cost associated with treatment will be billed out individually. For more information regarding our health management and testing guidelines, please reach out to Dr. Shelby Rosasco.

Marketing:

The bull test is offering a marketing package to consigners that will include clipping, picturing, videoing, and a custom sale flyer. If the consigner chooses to allow us to help market their bulls, our staff will create a custom sale flyer and provide a digital copy to the consigner to distribute. We will promote the Field Day and Private Treaty Sale through our media outlets.

We will be conducting a Field Day this year with the opportunity to offer bulls for sale **private treaty**. The field day will consist of educational presentations regarding pulmonary hypertension (Brisket disease) and bull selection in the morning followed by bull viewing and negotiation. The field day will initiate a weeklong window for bull viewing and marketing. Buyers must coordinate viewing with the consigner and test staff to view bulls outside the Field Day.

Cost

*Entry Fee	\$85
*Feed Deposit	\$215
Remainder of Feed	\$135
Health	Billed as needed
Marketing Package (optional)	\$125
PAP, Ultrasound, BSE	\$140
Genomic Testing Upon Request	Variable
Approximate Total	\$700 (w/o health costs)

***Entry Fee + Feed Deposit Due at Time of Arrival**

Supplemental PAP information:

On day 45 of the test, a pulmonary arterial pressure (PAP) measurement will be recorded on each bull by a qualified veterinarian. This measurement is acquired by introducing a catheter into the jugular vein, through the right atrium and ventricle of the heart, and into the pulmonary artery. Once the pressure is read, the catheter is removed. Cattle are thoroughly prepped and scrubbed prior to venipuncture to minimize the possibility of infection. This procedure is considered minimal risk, with the most common side effect being jugular hematoma. Below are the risk categories for development of pulmonary hypertension associated with PAP score ranges as outlined by Dr. Tim Holt. We will adhere to these guidelines at the University of Wyoming Altitude Elite bull test.

PAP Risk Factor
Very High Elevation Test Chart
PAP test conducted at elevation >7000 ft.

PAP Score	Use at Low Elevation (<4000 feet)	Use at Moderate Elevation (4000-5000 feet)	Use at High Elevation (5500-7500 feet)	Use at Extreme Elevation (>7500 feet)
34-45	Low Risk	Low Risk	Low Risk	Low Risk
46-49	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
<u>≥ 50</u>	Moderate Risk	Moderate Risk	High Risk	High Risk

^a When selecting an animal based on a PAP measurement, other factors besides those listed above should be considered such as genetics or pedigree, PAP EPD, Systolic/Diastolic pressures, breed, and previous illness.

^b Special consideration should be given to the amount of time the animal was exposed to elevation (>5500 ft.) prior to testing. The predictability and repeatability of the PAP measurement improves with longer exposure to higher elevation (minimum of 4 weeks is required).

^c This chart is based on animals greater than 10 months of age. Testing older animals (>12 months) results in a higher predictive and repeatability measurement.

(Dr. Tim Holt, DVM)

Using the guidelines set by Dr. Tim Holt, a bull is at substantial risk for right ventricular failure secondary to pulmonary hypertension (Brisket disease) with any PAP measurement equal to or greater than 50 mmHg at 7200 ft (Laramie, WY) for use at an elevation of 5500 ft and above. All bulls with a PAP measurement of 50mmHg and above will be subject to further evaluation and removal from the test and relocation to an elevation of below 5500 ft may be necessary. Failure to remove at risk cattle from high elevation may result in right ventricular failure secondary to pulmonary hypertension (Brisket Disease). The University of

Wyoming Altitude Elite Bull Test will not be held liable for mortalities due to Brisket disease. **Consigners will be called to discuss options should a bull fail the PAP test.**

Looking Forward

The goal for the University of Wyoming Altitude Elite Bull Test is to provide value to both the consigner and customer through brokering elite genetics proven by performance data collected at altitude. The bull test will also move toward a longer feeding period to allow for feed efficiency and intake testing. The marketing format will also shift from a private treaty format in year 1 to a live auction sale in the following years.

Tentative Schedule for Years Following

- Bulls arrive at the beginning of November
- Warmup feeding period end of November
- Start feed efficiency test beginning of December
- PAP test mid-January
 - Bulls that fail are subject to further evaluation and possible removal from test
- End feed efficiency test at the beginning/mid-February (60 days)
- Clip bulls beginning of February
- Picture/video beginning of March
- Catalogs assembled mid-March and out by end of March
- BSE and Carcass ultrasound end of March
- Sale second weekend in April

Year 2 costs will increase with changes in the feeding period and marketing format

