



INDIANA BEEF EVALUATION PROGRAM

1117 STATE ROAD 458

BEDFORD, IN 47421

812-279-4330

NMINTON@PURDUE.EDU

RULES FOR 2022 SUMMER PERFORMANCE TEST OF BULLS

PLEASE NOTE RECENT AMMENDMENTS TO RULES:

- Genomic-enhanced EPDs required for eligibility in IBEP Performance Tested Bull Sales.

PURPOSES:

(1) To promote performance testing and carcass evaluation of beef cattle and serve as an educational tool to acquaint producers with their value; (2) to complement on-farm performance testing; (3) to provide a common environment for evaluating the performance of young bulls; (4) to assist breeders in identifying sires whose progeny excel in growth rate, feed conversion and carcass value; and (5) to aid beef producers in obtaining superior, performance tested bulls which have been evaluated for growth, breeding and structural soundness, and carcass merit.

PROGRAM SUPERVISION AND DIRECTION:

1. The Indiana Beef Evaluation Program (IBEP) sponsors the performance testing program in cooperation with participating beef producers.
2. The rules and regulations are the responsibility of the Board of Directors that consists of representatives from: (a) the Indiana Beef Cattle Association; (b) Indiana beef breed associations; (c) a Purdue University Agriculture and Natural Resources Extension Educator; and (d) two directors at-large. Advising the Board in a non-voting capacity regarding rules and regulations are: (a) Purdue University animal scientists and specialists, veterinarians and extension educators; (b) local veterinarian; (c) Superintendent of the Feldun Purdue Agriculture Center; and (c) Executive Vice-President of the Indiana Beef Cattle Association.

ELIGIBILITY:

1. Any beef producer is welcome to enter bulls in IBEP performance tests.
2. Entrants are required to have their herds enrolled, and be currently participating in their breed's performance testing program; weaning data must be reported to and processed by the respective breed association.
3. Entrants are required to be members of the Indiana Beef Cattle Association. To join, visit <http://www.indianabeef.org/assn/>. The Membership form is located under the menu's Membership tab.

BULLS:

1. Must have been **born April 1, 2021 through September 30, 2021**.
2. Actual birth weights are required for entry in IBEP Performance Tests.
3. Purebred, percentage and composite breed bulls eligible for registry in a national or international breed association are eligible for testing. A copy of the registration paper, or application for recording, must be submitted upon delivery of bull at Station. Percentage/Composite breed bulls will be accepted provided that: a) all other eligibility requirements are met, b) they originate from a herd that is participating with an organization that provides weaning and yearling performance data, and Expected Progeny Differences (EPDs), and c) the breed composition of the bull(s) entered is specified.
4. Bulls that are suspected to be carriers of a lethal or semi-lethal allele (as defined by their breed association) for which a DNA test is available, must be DNA tested and verified free of the lethal or semi-lethal allele prior to entry in a test. Lethal and semi-lethal traits included in the table below.

Primary Breed(s) of Incidence	Genetic Abnormality	Abbreviation/common reference	DNA Test Available
Angus & Angus Influenced	Arthrogyposis Multiplex	AM	Yes
Angus & Angus Influenced	Neuropathic Hydrocephalus	NH	Yes
Angus & Angus Influenced	Contractual Arachnodactyly	CA	Yes
Angus & Red Angus & Angus Influenced	Osteopetrosis	OS	Yes
Dexter	Bulldog Dwarfism (BD)/(Chondrodysplasia	BD1 and BD2	Yes
Hereford	Maple Syrup Urine Disease	MSUD	Yes
Hereford	Mandibulofacial Dysostosis	MD	Yes
Hereford	Idiopathic epilepsy	IE	Yes
Hereford	Snorter Dwarfism		
Hereford	Internal Hydrocephalus	Water head	Yes
Primary Breed(s) of Incidence	Genetic Abnormality	Abbreviation/common reference	DNA Test Available
Salers	Beta (β)-Mannosidosis		Yes
Shorthorn-, Maine-Anjou-, Chianina- and Dexter- influenced	Pulmonary Hypoplasia with Anasarca	PHA	Yes
Shorthorn-, Maine-Anjou-, and Chianina-influenced	Tibial Hemimelia	TH	Yes

5. **Parentage verification to both sire and dam (gestating) and genomic-enhanced EPDs are required for sale eligibility.** Many breed associations include parentage verification when you request genomic testing. *Please take the appropriate blood or hair sample before delivering the bull (good idea to collect a second sample to keep on hand).*
6. Bulls must be polled, or dehorned prior to delivery; horn cavities should be healed and free of infection at time of delivery or bulls may be rejected.
7. Must have a minimum weight of 450 pounds, and a minimum weight per day of age (including birth weight) of at least 2.25 lbs. on delivery at the Station.
8. Bulls will be inspected at time of delivery and will not be accepted if sick, have poor disposition, or have a physical defect that may impair future reproductive performance such as: cryptorchidism, testicular hypoplasia, stifled, foundered, "double muscled", etc. Scrotal palpation of prospective entries is recommended at the time vaccinations are given.
9. **Requests for pen space must be received at the IBEP office by 5:00 p.m., Friday March 25, 2022.** When requests for pen space exceed the capacity of the test station, space will be allocated on a prorated basis of both number of spaces requested and number of bulls previously tested with IBEP. An attempt will be made to allocate at least one space to every breeder.

HEALTH REQUIREMENTS:

1. Bulls originating from Indiana do not need to be tested for brucellosis and do not need a Certificate of Veterinary Inspection (Health Certificate); however, a Premise ID is required. Bulls from other brucellosis free states do not need to be tested for brucellosis, but bulls from states not certified brucellosis free must be tested. Out-of-state bulls must be accompanied by a Certificate of Veterinary Inspection (Health Certificate); however, a Premise ID is optional. All

out-of-state bulls must obtain an Entry Permit Number. The Entry Permit Number may be obtained online at <https://www.in.gov/boah/2661.htm> or by phone at (877) 747-3038 during business hours.

2. Bulls from states and zones that are accredited TB-free do not require an individual tuberculosis test. Bulls from Michigan's Modified Accredited Zone must originate from herds that test negative for TB within one year prior to delivery, with the individual bull having a negative test within 60 days prior to entering Indiana. For a map showing the zone boundaries, please contact the Indiana State Board of Animal Health at (317) 544-2400.
3. Bulls must originate from herds that have no clinical signs of Johne's Disease (paratuberculosis). In addition, ***the dam of each bull entered must have a negative Johne's Disease test (ELISA or Fecal Culture) anytime between birth of the bull and delivery of the bull to the test station.*** For ET or foster calves, the female that raised the calf, must have a negative Johne's Disease test (ELISA or Fecal Culture) anytime between birth of the bull and delivery of the bull to the test station. Bulls will no longer be accepted based on a negative herd test within the past 12 months unless the dam was sampled at that time and she is clearly identified on the results page. Samples for Johne's Disease testing must be collected by a veterinarian and submitted to an AAVLD accredited laboratory (list included). Documentation of Johne's Disease tests (ELISA or Fecal culture) must be presented with the bull(s) at time of delivery to the test station.
4. Bulls will be tested at the time of delivery for persistent Bovine Virus Diarrhea infection (PIBVD). Owners will be notified should a bull test positive to this disease and will be required to remove the bull immediately from the facility. Unused fees for the bull will be refunded to the owner.
5. ***Animals must be free of active ringworm lesions and warts. Animals with signs of ringworm lesions or warts at delivery will be rejected.***
6. Animals must have been vaccinated twice with the following vaccines and bacterins: Bovine Rhinotracheitis (IBR); Bovine Virus Diarrhea (BVD); Parainfluenza₃ (PI₃); Histophilus Somni; Leptospira-five strains; Clostridial organisms-7 way; Bovine Respiratory Syncytial Virus (BRSV); and Pasteurella. ***At least one dose of the two rounds of vaccine given is required to be a modified live virus vaccine for IBR, BVD, PI₃ and BRSV.***
7. Initial vaccinations must be administered not earlier than 60 days (**February 25, 2022**) nor later than 35 days (**March 22, 2022**) and a booster vaccination administered no later than 21 days (**April 5, 2022**) prior to delivery to the IBEP Test Station. Veterinarian or owner must indicate on the Immunization Form that all required vaccinations were given, product names of vaccines/bacterins, expiration dates of products used, and the date(s) that animals were vaccinated. ***Bulls that have not been properly vaccinated will be rejected at delivery.***
8. We encourage you to administer a MLV intranasal vaccine (IBR, PI₃, BRSV, *Pasteurella multocida* and *Mannheimia haemolytica*) **4 to 10 days prior to delivery day** and include this information on the Immunization Form. If this intranasal vaccine is not administered with 4 to 10 days prior to delivery, bulls will receive the MLV intranasal vaccine (IBR, PI₃, BRSV, *Pasteurella multocida* and *Mannheimia haemolytica*) upon arrival at the test station at the individual consignor's expense.
9. Weaning and dehorning by February 25, 2022 (60 days before delivery) are necessary; accustom bulls to bunk feeding before delivery. Weaning/vaccination instructions will be mailed when requests for pen space are acknowledged.

Note:

We advise you to review the days or age ranges established by your respective breed associations for herd improvement (HIR) measures. This will reduce the risk of animals being removed from a contemporary or not having adjusted measures for future records.

We advise against using entry to an IBEP performance test as a reason to remove an animal(s) from their respective weaning contemporary group prior to actual weaning. In doing so, compromises the genetic evaluation of that weaning contemporary.

10. Bulls will be treated for internal and external parasites when they begin the performance test and as needed during the test.

Bulls will be rejected at delivery if:

- 1) There is no IBEP immunization form or the form is incomplete (SEE ATTACHED SHEET).
- 2) Bulls were not properly vaccinated.
- 3) There is no Johne's Disease test report for gestating dam.
- 4) Dams are not clearly identified on the Johne's Disease test report.
- 5) Bulls do not have a clearly legible permanent (tattoo or brand) identification.
- 6) Bulls have signs of ringworm lesions or warts.
- 7) Bulls exhibit aggressive behavior where he is unsafe to handle or pose harm to himself.

GENERAL:

1. If the performance test is canceled for any reason prior to start of the official performance test, each consignor's fees will be refunded in full.
2. Animals will be subject to mouthing at any time. When discrepancy appears to exist between stated age and apparent age, according to the development and configuration of the teeth, the Board reserves the right to take appropriate action. Also, animals may be blood typed at any time. If a discrepancy in parentage or breeding appears to exist, the Board reserves the right to take appropriate action.
3. Bulls that exhibit disposition problems at delivery or during the test, that make it unsafe for people handling the bull or is a disturbance to its pen-mates, will be sent home or to an auction market.
4. All bulls must remain on test unless specifically dismissed by IBEP due to disposition, chronic illness, or injury.

IDENTIFICATION:

1. **Animals must have a legible, individualized, numeric tattoo, freeze brand or hot brand. Bulls without legible, numeric, permanent identification prior to delivery will be rejected.**
2. Animals will be tagged with two IBEP visual ID ear tags and an RFID ear tag when delivered and will be identified by their IBEP visual tag for the performance test.

Schedule for the 2022 IBEP Summer Performance Bull Test

Item:	Date	Notes
Entry Deadline	March 25, 2022 (Fri.)	
Delivery	April 26, 2022 (Tues.)	PI test, deworm
On-Test Weight (Day 0)	May 16, 2022 (Mon.)	Weight only
On-Test Weight (Day 1)	May 17, 2022 (Tues.)	Weight, booster wart vaccine
28-Day Weight & BOD Mtng.	June 14, 2022 (Tues.)	Blood sample out of state bulls, vaccinate
63-Day Weight	July 19, 2022 (Tues.)	Weight and Multimin® 90
91-Day Weight	August 16, 2022 (Tues.)	Weight only
Ultrasound, Yrlng Ht. & SC measurement	TBD	
Sturcture & Disposition Eval., foot score	Sept. 12, 2022 (Mon.)	
Off-Test Weight (Day 124)	Sept. 18, 2022 (Sun.)	Weight only
Off-Test Weight (Day 125)	Sept. 19, 2022 (Mon.)	Weight, TB injection, SC for BSE, blood sample
BSE & Brand Sale Bulls	Sept. 22, 2022 (Thurs.)	Morphology and Motility for BSE
Video Sale Bulls	Sept. 23, 2022 (Friday)	Additional volunteers needed
91 st IBEP Performance Tested Bull Sale	Oct. 15, 2022 (Sat.)	Volunteers to haul bulls is needed

FACILITIES:

1. Animals will be performance tested at the IBEP Test Station, Feldun-Purdue Ag. Center, 3 miles NW of Bedford, IN.
2. Bulls will be fed and housed in groups of no more than 25 head per lot. Each group will have access to a dirt/waste lime exercise area of about one-half acre.
3. Each pen is fenced with six strands of high tensile electric fence with a grass strip dividing each fence line.
4. Pens are well drained with a large mound running east to west.
5. Each pen contains:
 - a. a shelter that is open to the south and vented to the north. Shelters are bedded with sawdust or corn stalks.
 - b. a concrete apron extending from the feed bunk back into the pen to ensure solid footing when at the bunk.
 - c. an energy free two hole automatic waterer (cleaned a minimum of once per week)

DIET:

1. To our best ability and to be as precise as possible in meeting daily nutrient requirements, bulls are grouped by age, weight and biological type for growth rate and mature size.
2. Bulls are fed a diet formulated for a target average daily gain between 3.25 to 3.50 lbs/head/day.
3. The diet is forage based, being greater than or equal to 50% (dry matter) small grain silage, corn silage or a blend of the two. The remainder of the diet will consist of a combination of whole corn, by-products from corn, soybean and wheat processing, and a vitamin and trace mineral supplement, containing a blend of chelated and non-chelated minerals, and an ionophore (monensin). Depending on silage availability and bull composition of gain, dry hay or baleage may be included into the diet at some point.
4. Bulls are fed a total mixed ration (TMR) once a day, in the morning.
5. Feed consumption will be recorded for each pen. Adjustments to the diet will be made if and when necessary to maintain an appropriate composition of gain. If changes in the diet occur, they will occur across all bulls on test.

HEALTH & VETERINARY SERVICE:

1. Veterinary service will be obtained when necessary and those charges will be added to testing fees.
2. A transportation charge will be added for bulls taken to the Purdue Large Animal Clinic for treatment. Every attempt will be made to notify the bull's owner before a bull is transported from the test station.
3. Animals that are sick and/or unsound may be removed from the test; the veterinarian and Station Manager will make this decision. If an animal is removed from the test, the owner will be notified within 48 hours. Animals may not leave the Station without the veterinarian's illness release, death or consent of the Board.

TESTING EXPENSES:

1. All costs except for feed and veterinary/drug expenses will be equally divided on a per-head basis. Feed costs will be pro-rated according to body weight and pounds of gain of each animal within each pen. There will be a uniform health maintenance charge of \$35 per head to cover periodic inspections and treatments by a veterinarian, wart vaccine, and miscellaneous health related items (anthelmintic, fly control, etc.). In addition, all drug costs for treated animals, including the intranasal vaccine given at delivery, will be charged to owners of those animals.
2. **Application for reservation of pen space must be received by March 25, 2022 with a non-refundable* entry fee of \$300 per head for Indiana residents or \$350 for out-of-state cooperators (*See contract for specific conditions.)**
3. Delivery fee of \$250 per head is due upon delivery (April 26, 2022) of each bull to the Station.

4. An additional \$250 per head feed payment is due **July 19, 2022**. ***If the total testing fee has not been paid by the end of the performance test, the bull will not be catalogued for sale nor released to the owner, but will be sent to market.***
5. Any remaining total testing cost at the end of the test will be billed to the owner(s). Refunds will be made for individual animals whose test expenses were less than total fees received.
7. Consignor will be charged for feed and overhead for animals left at the Station after the specified date for removal.

LIABILITY:

1. Professional veterinary service will be obtained when necessary, but neither the Board of Directors or Officers of the Indiana Beef Evaluation Program nor its designated veterinarians, nor member beef breed associations, nor the Indiana Beef Cattle Association, nor Purdue University can be held liable in case of loss by fire, theft, injury, sickness or death of animals.
2. Insurance is the owner's responsibility for his/her animals while at the Station.

RETURN:

1. The Board reserves the right to request the owner to remove an animal within 7 days of notification for any of these reasons: not meeting entry requirements, lack of identification, health, disposition, invalid information accompanying the animal, chronic illness, or injury.
2. If an animal fails to complete the test because of death, injury, or illness, the testing cost will be pro-rated based on number of days at the Station. Owners will be billed for all expenses for such animals, or will receive a refund if one is due.

PROGRESS REPORTS AND TEST DATA:

1. The owner's name and ear tag number(s) of his/her bull(s) will be available at the Test Station.
2. Performance of bulls will be made available to cooperators, breed associations, extension personnel and the public through reports after each testing period.
3. A final test summary will be distributed at the end of the official performance test.
4. All summaries and reports will be made available on the IBEP web site: <https://ag.purdue.edu/ansc/ibep/>
5. Feed consumption data will be recorded only on a pen-basis.
6. Performance data at end of test will be: (a) weight at start of test; (b) weight at end of test; (c) adj. frame score time of carcass ultrasound; (d) average daily gain on test and ratio; (e) weight per day of age at end of test and ratio; (f) adj. scrotal circumference; (g) adj. ribeye area, fat depth at 12th rib, percent intramuscular fat and percent retail product. All carcass merit related items listed in section (h) are obtained using ultrasound by a certified Centralized Ultrasound Processing (CUP) technician.
7. Carcass merit will be determined as: (% Retail Product Ratio + % Intramuscular Fat Ratio) ÷ 2.
8. Bulls will be indexed within each breed as follows:

$$\text{Performance Index} = 60 \left[\frac{\text{Bull Avg. Daily Gain}}{\text{Breed Group ADG}} \right] + 40 \left[\frac{\text{Bull Wt. per Day Age}}{\text{Breed Group WPDA}} \right]$$

Note: If there are less than six bulls tested within a breed, the overall ADG and WPDA of all bulls on-test will be used to determine ADG and WPDA ratios and Performance Index.

AWARDS:

1. Certificates will be presented to the cooperators whose individual bull, or Get-of-Sire, had the highest overall within-breed Performance Index.

2. A certificate will be presented to the owner(s) of the sale-eligible bull with the highest Sale Index.

BREEDING SOUNDNESS OF BULLS:

1. Sale eligible bulls will undergo a breeding soundness exam (BSE). Owners may request their non-sale eligible bulls have a breeding soundness exam. **Wednesday, September 21, 2022 (12:00 pm -Noon)** is the deadline for requesting a BSE on bulls ineligible for IBEP Auctions. Bulls failing to meet the minimum adjusted scrotal circumference requirement will not have a further physical examination or semen evaluation.
2. The physical examination will include: (a) palpation of the scrotum and its contents; (b) scrotal circumference; (c) examination of penis and prepuce for injury and/or abnormalities; and (d) rectal examination of internal accessory glands. Bulls with fibropapilloma of the glans penis (warts), persistent penile frenulum (tagged penis), or seminal vesiculitis and other reproductive abnormalities are failing criteria of a BSE. An attempt will be made to correct persistent penile frenulum's as well as remove warts.

Sale eligible bulls failing the initial BSE due to warts or seminal vesiculitis will have the option of a second BSE during the week prior to the IBEP bull sale at the cooperators request and expense to determine if the bull has fully recovered following removal or treatment. If the bull passes the second BSE, he will eligible to sell in the IBEP auction, if the bull fails the second BSE, he will be ineligible to sell in the IBEP auction and the cooperator will be charged sales commission for the fact the bull will have remained in all sale advertising and included in the sale catalog.

*At this time, sale eligible bulls found to have a persistent penile frenulum remain ineligible for IBEP auctions.

4. Adjusted 365-day scrotal circumference (SC) will be determined. To be eligible for IBEP Auctions bulls must have a minimum actual SC of 34.0 cm or have the recommended minimum adjusted SC by breed. Simmental bulls must have at least 33 cm adjusted SC; Angus, Gelbvieh, Red Angus, Red Poll, and SimAngus bulls must have at least 32 cm adjusted SC. All other breeds must have at least 30.0 cm adjusted SC.
5. Semen evaluation (electro-ejaculate) will include evaluation of sperm motility and morphology (% normal sperm). Observations will be rated as either acceptable or unacceptable according to guidelines established by the *Society For Theriogenology*. If unacceptable, the reason(s) will be reported to the owner(s).
6. Non sale-qualified bulls with gross deficiencies or abnormalities, as detected by this examination for breeding soundness, should not be used for breeding purposes.

SALE OF BULLS: **Saturday, October 15, 2022 at Springville Feeder Auction Market - Springville, IN**

1. A sale will be held after the performance test. To qualify, a bull's Performance Index must be in the top 2/3 to 3/4 of his breed group of six (6) or more bulls. The actual percent used will depend on the magnitude of differences in performance indexes among bulls, as well as number and quality of bulls on test. A bull in a breed with fewer than six head must have a Performance Index in the top 2/3 to 3/4 of ALL bulls in the test. A bull in the lowest 1/4 to 1/3 of his breed group is sale eligible if his Performance Index is at least 100.0 based on the overall average of all bulls tested. **To be eligible for sale, bulls must:** have official adjusted 205-day data and registration numbers; be parentage verified to both sire and dam; and have genomic-enhanced EPDs. **These must be done and available to IBEP before the off-test weigh day (September 19, 2022) for bulls to be eligible for sale.**
2. Owner must notify IBEP office at least 4 weeks prior to the sale if bull will not be sold. Bulls withdrawn less than four weeks from the sale for reasons other than health or injury **will be charged sales commission.**
3. All bulls will be inspected by a committee prior to the sale. Any bull identified as not healthy, not structurally sound, or that failed the breeding soundness exam will not be allowed to sell. The owner must remove them from the Station by sale day. Bulls not removed during the designated period will be sent to market.
4. All bulls eligible for the Sale will be freeze branded with the registered IBEP brand along with the last two digits of the sale year.
5. Bulls will be videotaped (weather permitting), and videos of sale bulls will be posted online.
6. Individual grooming and special handling of bulls is not permitted.

7. **Sale order is determined by Sale Index, which is based on the bull's within-breed percentile rankings.** These are weighted 30% ADG, 20% WPDA, 7.5% Intramuscular Fat, 7.5% Ribeye Area/cwt, 20% Direct Calving Ease EPD, and 15% Weaning Weight EPD; Birth Weight EPD will be used if the bull does not have an EPD for Direct Calving Ease. EPD ranking will be based on the most current National Breed Association information. In case of ties among two or more bulls, Performance Index will determine sale order among bulls with identical Sale Indexes.
8. All announcements or catalog corrections will be made from the "block" by the auctioneer or authorized IBEP personnel.
9. All bulls will be sold under standard breeding guarantees recognized by respective breed associations.
10. Sale costs will be over and above testing costs and will be based on a percentage of the sale (or floor) price among all bulls catalogued to defray costs of advertising, printing, postage, labor, auctioneer, facilities, insurance, etc.
11. Bulls that fail to sell, and not claimed by the consignor will be sent to market.
12. Payment will be made to owners of bulls by IBEP after all testing and sale expenses are deducted from the combined testing fees and sale receipts for each bull. Payments will be made within 30 days of the sale.
13. Transfer of the registration certificate for purebred and recorded percentage bulls is between the buyer and seller and is not the responsibility of IBEP; however, if the buyer encounters difficulty in obtaining the certificate, IBEP will assist in any way possible.

PICKUP OF NON-SALE BULLS:

1. Owners may pick up bulls after all TB tests administered to all bulls on the off-test day have been verified negative. In the event of a suspect TB test, bulls may not be picked up until the Indiana Board of Animal Health retests the suspect animal(s) and all tests are negative. Bulls must be picked up by Sale day.
2. All non-sale bulls must be picked up by October 17, 2022. Owners of No Sale bulls must pick them up by the times indicated in the Sale Catalog Rules for handling of sale bulls. Owners of bulls remaining at the test station or Springville auction site beyond pickup deadlines will be charged a \$50 per head per day feed and yardage fee. There is almost three full weeks between off-test week and the Sale and the IBEP staff works at being accommodative to cooperators during this time to pick up non-sale eligible bulls.