

Indiana Beef Evaluation Program

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IBEP Web Site: <http://www.ansc.purdue.edu/ibep/>

Attached are rules and entry form for the 2017 Winter Performance Test. The 80th IBEP Performance Test will end September 25, with 11,212 bulls and 1,253 Get-of-Sire Groups having been performance tested by IBEP in 40 years. We encourage and look forward to your entries for the 81st IBEP Performance Test.

- **Birth Date** – Bulls born from **January 1 through April 30, 2017** are eligible.
- **Birth Weight** – **Birth weight is required for entry.** Bull buyers are concerned about calving difficulty. Buyers of IBEP-Tested bulls say they place a “great deal” of importance on birth weights and calving ease, and bulls with low birth weight EPDs command premium prices.
- **205-day Data & EPDs** – Official adjusted 205-day data and EPDs for Birth Weight, Weaning Weight, and Maternal Milk are required for IBEP auctions. Genomic testing with parentage verification is strongly encouraged.
- **Percentage/Composite Breed Bulls** – Will be accepted provided that: a) all other eligibility requirements are met, b) can be registered with a breed association, c) EPDs can be obtained, and d) the breed composition of the bulls(s) entered is specified. (Note Section “Bulls”, Item 3 for details regarding Composite Breed Bulls.)
- **Lethal Genes** – *Bulls that are suspected to be carriers of a 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 allele prior to entry in a test.* Lethal traits with available DNA testing include: Arthrogryposis Multiplex (AM), Contractural Arachnodactyly (CA) and Neuropathic Hydrocephalus (NH) in Angus, Osteopetrosis (OS) in Red Angus, and Tibial Hemimelia (TH) in Shorthorn and other breeds. Developmental Duplication (DD) carrier bulls will be identified in the sale catalog; therefore, suspect animals must be DNA tested as well. Consult with your breed association for a complete list of known lethal and semi-lethal alleles and DNA testing procedures.
- **Sire Group** – For a more accurate sire evaluation, enter 3 bulls from your best sire (or 3 bulls from each of 2 sires) rather than entering one calf from each of several sires. **Each owner may have five (5) gets-of-sire of 3 bulls each evaluated.** Additional units will be accepted if the test station is not full.
- **Pen Space Requests** – Must be in the IBEP office by **September 29, 2017.**
- **Soundness and Disposition** – Pay close attention to structure and disposition of potential entries. Bulls that are post-legged, sickle-hocked, have corkscrew or twisted toes, or are otherwise unsound or are nervous/wild may be screened out at delivery or at the end of the test.
- **Sale Index** – Sale order is based on superiority for several traits – not just ADG and WPDA. Sale Index is based on the bull’s within-breed percentile rankings, 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). In case of identical Sale Indexes among two or more bulls, Performance Index will determine sale order.
- **Scope** – Breeders from six states consistently enter bulls for testing by IBEP. Producers in 21 states have purchased IBEP-Tested bulls. In 55 IBEP auctions at Springville, 4,253 bulls averaged \$2,098. Of the 90 bulls offered in the April sale, following the 2016 Winter Test, 85 sold for an average of \$3,128 with a top of \$6,750. Ten bulls sold for \$4,500 a head or more.
- **Breed and Cattlemen’s Association Membership** – IBEP encourages membership and support of your respective breed association as well as your local, state, and national cattlemen’s associations. IBEP requires membership in the Indiana Beef Cattle Association.

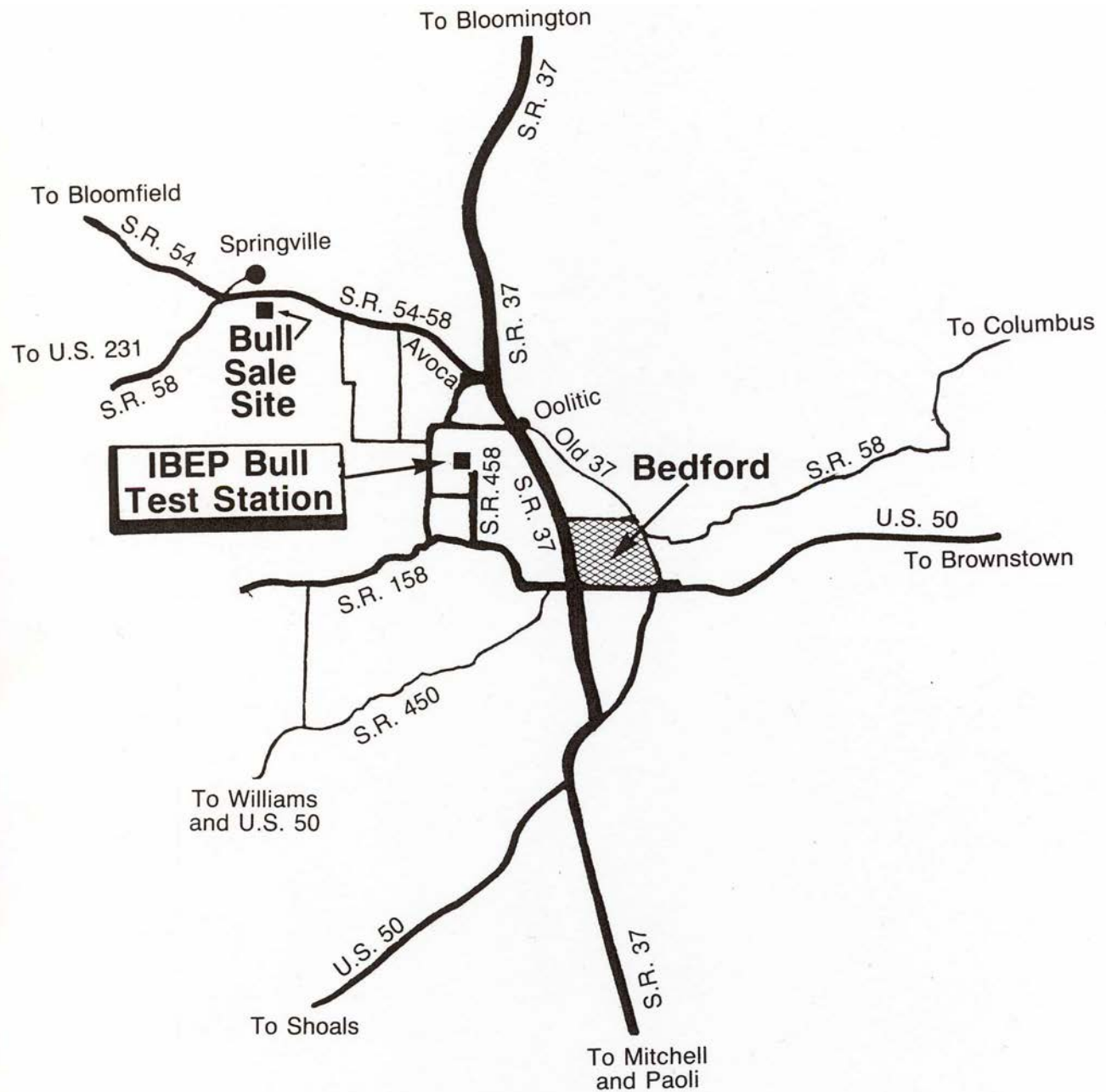
We appreciate the support of current and past cooperators and look forward to continuing this in the future. In addition, we invite and encourage new cooperators to test with IBEP.

Sincerely,

Terry S. Stewart
Secretary/Treasurer

Donna L. Lofgren
Performance Records

Brad W. Shelton
Station Manager



DIRECTIONS TO IBEP TEST STATION

From IN 37 (4-lane divided highway), turn west on IN 158 (16th St.) at the stoplight. Go 2 miles to IN 458. Turn north on IN 458 and go 1.1 miles to the entrance of Feldun-Purdue Ag Center; follow signs.

If you use electronic mapping to get directions, the test station address is: "1117 State Road 458, Bedford, IN 47421".

**INDIANA BEEF EVALUATION PROGRAM
RULES FOR 2017 WINTER PERFORMANCE TEST OF BULLS**

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) Indiana beef breed associations; (b) the Indiana Beef Cattle Association; (c) Purdue University extension educators; and (d) two directors at-large. Advising the Board in a non-voting capacity regarding rules and regulations are: (a) Purdue University animal scientists, veterinarians and extension educators; (b) Test Station Manager; 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. **IN ORDER FOR BULLS TO BE ELIGIBLE FOR IBEP AUCTIONS, THEY MUST BE REGISTERED, HAVE EPDs FOR BIRTH WEIGHT, WEANING WEIGHT, AND MATERNAL MILK, AND ENTRANTS MUST BE PARTICIPATING IN AN OFFICIAL HERD PERFORMANCE TESTING PROGRAM, WITH WEANING DATA REPORTED TO AND PROCESSED BY THEIR 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 January 1 through April 30, 2017.
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 (EPD's), and c) the breed composition of the bull(s) entered is specified.
4. **Bulls that are suspected to be carriers of a 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 allele prior to entry in a test. Lethal traits with available DNA testing include: Arthrogyposis Multiplex (AM), Contractural Arachnodactyly (CA) and Neuropathic Hydrocephalus (NH) in Angus, Osteopetrosis (OS) in Red Angus, and Tibial Hemimelia (TH) in Shorthorn and other breeds. Developmental Duplication (DD) carrier bulls will be identified in the sale catalog; therefore, suspect bulls must be DNA tested as well. Consult with your breed association for a complete list of known lethal alleles and DNA testing procedures.**
5. Genomic testing with parentage verification is strongly encouraged.
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 2.45 lbs. on delivery at the Station.
8. Bulls will be inspected at time of delivery and will not be accepted if sick, wild, or have a physical defect that may impair future reproductive performance such as: cryptorchidism, testicular hypoplasia, stifted, 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., September 29. 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. Breeders that participate in the summer tests will be given priority for space in winter tests.**

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 <http://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. 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 immediately remove the bull 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 according to manufacturers' recommendations with the following vaccines and bacterins: Bovine Rhinotracheitis (IBR); Bovine Virus Diarrhea (BVD); Parainfluenza₃ (PI₃); Haemophilus Somnus; Leptospira-five strains; Clostridial organisms-7 way; Bovine Respiratory Syncytial Virus (BRSV); and Pasteurella. **At least one dose of modified live virus vaccine for IBR, BVD, PI₃ and BRSV is required.**
7. Initial vaccinations must have been done not earlier than 60 days (**September 1, 2017**) nor later than 3 weeks (**October 10, 2017**) prior to delivery at 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. All bulls will receive an intranasal vaccine (MLV IBR, PI₃, BRSV) upon arrival at the bull test, at the individual consignor's expense. Consignors have the option of administering this vaccine within one week prior to delivery to the bull test, and include the information on the Immunization Form; in this case, their bulls will not receive the intranasal vaccine at delivery.
9. Weaning and dehorning by October 1 are necessary; accustom bulls to bunk feeding before delivery. Weaning/vaccination instructions will be mailed when requests for pen space are acknowledged.
10. Bulls will be treated for internal and external parasites when they begin the performance test.

Bulls will be rejected at delivery if:

- 1) There is no IBEP immunization form or the form is incomplete.
- 2) Bulls were not properly vaccinated.
- 3) Bulls do not have a clearly legible permanent identification.
- 4) There is no Johne's Disease test report.
- 5) Dams are not clearly identified on the Johne's Disease test report.
- 6) Bulls have signs of ringworm lesions or warts.
- 7) Bulls exhibit aggressive, nervous, and/or flight behavior.

Please read the
attached sheet
about health
requirements!

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 its pen-mates, will be sent home.

- All bulls must remain on test unless specifically dismissed by IBEP due to disposition, chronic illness, or injury.

IDENTIFICATION:

- 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. Owners are strongly encouraged to have a tag in the animal's left ear that is identical to the animal's tattoo number.
- Animals will be numbered with plastic and RFID eartags when delivered and will be so identified for the performance test.

TESTING SCHEDULE:

<u>Entry Deadline</u>	WINTER TEST
Delivery	September 29, 2017 (Fri.)
Start Test	October 31, 2017 (Tues.)
28-Day Weight & BOD Meeting	November 21, 2017 (Tues.)
63-Day Weight	December 19, 2017 (Tues.)
91-Day Weight	January 23, 2018 (Tues.)
Off Test & TB inj.	February 20, 2018 (Tues.)
BSE, Brand & Read TB	March 26, 2018 (Mon.)
Sale	March 29, 2018 (Thurs.)
	April 19, 2018 (Thurs.)

FACILITIES:

- Animals will be performance tested at the IBEP Test Station, Feldun-Purdue Ag. Center, 3 miles NW of Bedford, IN.
- Bulls will be fed and housed in groups of approximately 25 head per lot. Each group will have access to a dirt exercise area of about one-half acre.
- Animals will be grouped as much as practical by breed and age or weight.

RATION:

- A total mixed ration will be fed with composition approximately as shown at right.
- Feed consumption will be recorded for each lot.
- Salt and minerals will be provided free-choice.
- Hay or small grain-crop silage will be substituted for corn silage when corn silage supplies are limited.

<u>Feedstuff</u>	<u>Percent of Diet Dry Basis</u>
Corn Silage	55.0%
Corn Grain	22.0%
DDGS	20.0%
Balancer	3.0%
Total	100.0%

HEALTH & VETERINARY SERVICE:

- Veterinary service will be obtained when necessary and those charges will be added to testing fees.
- 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.
- 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:

- 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 \$20 per head to cover periodic inspections and treatments by a D.V.M., wart vaccine, and miscellaneous health related items. In addition, all drug costs for treated animals, including the intranasal vaccine given at delivery, will be charged to owners of those animals.
- Application for reservation of pen space must be received by September 29, 2017 with a non-refundable* entry fee of \$250 per head for Indiana residents or \$300 for out-of-state cooperators** (*See contract for specific conditions.).
- Delivery fee of \$250 per head is due upon delivery (October 31, 2017) of each animal at the Station.
- An additional \$250 per head feed payment is due **January 23, 2018**. 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.
- 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.
- Measures have been implemented by IBEP, in an attempt to dampen the impact of rising corn and soybean meal prices on total testing cost.
- 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 eartag 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: <http://www.ansc.purdue.edu/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) actual weight and adj. frame score at end of test; (c) average daily gain on test and ratio; (d) weight per day of age at end of test and ratio; (e) adj. scrotal circumference; (f) adj. ribeye area, fat depth at 12th rib, percent intramuscular fat and percent retail product. All carcass merit related items listed in section (f) 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. Bulls which are sale eligible will be examined for breeding soundness. Owners may also request that their non-sale eligible bulls have a breeding soundness exam. Wednesday, March 28 (12:00 Noon) is the deadline for requesting breeding soundness on bulls ineligible for IBEP Auctions. However, if a bull does not meet the minimum adjusted scrotal circumference requirement, he 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 other reproductive abnormalities which are heritable, or are likely to recur if corrected, will be ineligible for IBEP Auctions.
3. Adjusted 365-day scrotal circumference (SC) will be determined. To be eligible for IBEP Auctions, 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.
4. The semen evaluation (electro-ejaculate) will include evaluation of sperm motility and % 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).
5. 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: April 19, 2018 at Springville Feeder Auction

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. Official adjusted 205-day data and registration numbers are required for IBEP auctions. EPDs for Birth Weight, Weaning Weight, and Maternal Milk are required for sale eligibility. **Photocopies of official 205-day data summaries, including the registration number, must be in the IBEP office no later than the 63-day weigh day (January 23, 2018) or bulls will be declared ineligible for the auction.**
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 of the sale for reasons other than health or injury may be charged a sale fee.
3. All bulls will be inspected by a committee prior to the sale. Any bull that is 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 between the end of their performance test and the Sale. Brands will include the official IBEP brand plus year of sale.
5. Bulls will be videotaped (weather permitting), and video clips of sale bulls will be posted online. Owners of sale bulls will be assessed a cost of not more than \$20 per bull.
6. Individual grooming and special handling of bulls is not permitted.
7. **Sale order will be 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 IBEP-authorized 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 Board of Animal Health retests the suspect animal(s) and all tests are negative. Bulls must be picked up by Sale day.
2. Owners of all non-sale bulls must pick them up by 4:00 PM EDT of sale day. 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.