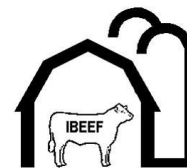


INDIANA BEEF EVALUATION AND ECONOMICS FEEDING PROGRAM (IBEEF) 2021 – 2022 GUIDELINES



Welcome to the 2021/2022 Indiana Beef Evaluation and Economics Feeding Program (IBEEF). IBEEF provides an opportunity for Indiana beef cattle producers of various herd sizes, to retain ownership of their cattle through the finishing phase of production and at the same time collect growth performance, carcass, and economic information.

Several factors influence feedlot performance and carcass productivity. Participation in the IBEEF program provides an opportunity to experience and further educate one's self on these variables and their influence on feedlot and carcass productivity. In addition, data collected in the IBEEF program is relevant to making genetic and management improvements within the herd as well as contribute to or build the herd database. For seedstock producers, the IBEEF program offers you the opportunity to collect growth performance and carcass data on progeny from your sires or dams which you are building your herd or your customers herd around. This data is essential in improving the accuracy of EPDs and selection indexes.

IBEEF cooperators receive individual and group performance, costs and carcass information. IBEEF also enables producers to compare sire groups, as well as evaluate alternative marketing strategies for their operation.

Since the inception of IBEEF in the fall of 1997, over 150 cooperators have entered over 9,800 steers and/or heifers into the program.

For 2021/2022 we have the opportunity to feed nearly 200 head of IBEEF cattle in Indiana in cooperation with the Beef Unit at the Purdue University Animal Science Research and Education Center. This provides a great opportunity for hands on beef cattle extension programming.

We look forward to hearing from you!

Objectives

1. Provide an opportunity for beef cattle producers to determine if breeding and management programs are producing cattle that fit current industry needs.
2. Provide an alternative marketing strategy through retained ownership.
3. Provide an opportunity for producers to evaluate the genetics of various sires for feedlot and carcass performance and value.
4. Provide an opportunity for Indiana producers to learn about other segments of the cattle industry.
5. Improve the reputation and utilization of Indiana cattle by establishing a database of feedlot performance and carcass quality that would be used to inform producers and buyers of Indiana cattle.

Nomination unit(s)

1. Steers and heifers may be consigned
A unit consists of **five to six head of steers or six to seven head of heifers**. These units are what is needed to optimize barn space, avoid single head pens and keep a single cooperator per pen. Entries will be allocated according to pen space availability at the ASREC Beef Unit.
2. Administrators of the IBEEF Program reserve the right to adjust nominations in order to allow all interested cooperators an opportunity to consign cattle to the IBEEF program.

3. Nomination forms are available from the Indiana Beef Evaluation Program (IBEP) Test Station office by contacting 812-279-4330 or nminton@purdue.edu. Please include **IBEEF 2021-2022** in the subject line of the email.
4. To participate, all nomination forms and a \$20 per head nomination fee must be returned to the IBEP Test Station office no later than **October 2, 2021**. The nomination fee is used to pay for administrative costs.

Costs

1. Producers are responsible for all feed, yardage, veterinary, carcass data collection, trucking to harvest, trucking insurance and check-off costs. **Total costs will be deducted from the gross receipts at the conclusion of a pen being harvested.**
Because feed costs and animal selling prices are subject to normal market variation and may fluctuate up or down, no guarantee of profit is implied by the Indiana Beef Evaluation Program, Inc., Board of Directors or Officers of the Indiana Beef Evaluation Program Inc., coordinators of the IBEEF Program, Purdue University Animal Sciences Research and Education Center, Purdue University Animal Sciences Research and Education Center Beef Unit, Purdue University, Purdue University Department of Animal Sciences, or Purdue University Extension. ***There is risk in having a balance due at the completion of the feeding period.*** This could occur if mortality rate or medication costs are substantially high and payment received for cattle do not cover all costs.
2. Yardage, feed and medication costs:
 - Yardage: \$0.70 per head per day
 - Feed; market price plus 10% markup on wet feed and 5% markup on dry feeds to account for shrink
 - Medication: market price of medication plus a \$20 chute charge for individual treatments.

Payments

1. Payment(s) will be made to owners of IBEEF cattle by the Indiana Beef Evaluation Program (IBEP) no later than 30 days after a single pen has been harvested (closed out). All expenses (feed, trucking to slaughter, yardage, carcass data, etc.) costs are deducted and cooperators will be written a check for the net amount.
2. IBEEF cattle will be marketed through one of Tyson Fresh Meats Grid Marketing Systems. If an unforeseen event occurs that causes disruption to cattle processing at one of the Tyson Fresh Meats Processing Plants that would delay slaughter of IBEEF cattle; IBEEF coordinators reserve the right to market IBEEF cattle through a different beef cattle processor.
3. Death loss or injury resulting in early removal of an animal from the program is the responsibility of the producer and not the liability of the feedlot(s).

Animal Requirements

1. Cattle should have been born **December 1, 2020 through April 30, 2021**. Both purebred and crossbred cattle are eligible. It is strongly recommended, but not mandatory, that only cattle with a known birthdate, dam and sire be nominated. In cases where the actual birth date is unknown, the month of birth or date when the oldest calf in the group was born should be used.
2. All calves must have some form of identification (visual number tag, EID, tattoo or brand) from the farm to ensure calves can be traced back to sires and dams.
3. **A Premise ID is required for all cooperators. ALL cattle consigned to the IBEEF program must be tagged with 840 series ultra-high-frequency electronic identification tags (EID).** Contact your local veterinarian to source these specific tags.
 - ⇒ Please review the Extension publication provided on how to properly apply EID tags. Please use the “alternate” tag location as explained in the Extension publication.

⇒ If your cattle are not tagged with an 840 series EID, they will be tagged upon delivery to the Purdue Beef unit at your expense.

4. All cooperators **MUST** have a non-expired Beef Quality Assurance (BQA) number.
5. Cattle should weigh at least 450 pounds at delivery. Cattle must weigh between 500 and 800 lbs. Cattle will be weighed individually upon delivery to the feedlot. Lightweight and excessively heavy cattle may be rejected and sent home.
6. Calves **MUST** be castrated, dehorned and healed from both prior to delivery. It is advised to have this complete prior to weaning.
7. All cattle must conform to the 2021/2022 IBEEF health program, certified with the current IBEEF immunizations. The health requirements are as follows:

◆ **Wean calves 30 days prior to delivery**

⇒ You may wish to implant and treat calves for parasites when you give initial vaccinations. This decision will be influenced by conditions on your farm and length of time from weaning to delivery. If you chose to implant, it is recommended that one of the lower potency growth implants be used. Your calves will be treated for internal and external parasites and will be implanted at the feedlot.

◆ **Two weeks prior to weaning or at weaning**

- ⇒ Four-way respiratory virus vaccine (IBR, BVD, PI3, and BRSV)
- ⇒ Seven-way clostridial vaccine with histophilus somni (haemophilus somnus)
- ⇒ Pasteurella (Pasteurella multocida and Mannheimia hemolytica) vaccination. (Follow manufacturer's recommendations regarding re-vaccination.)

◆ **Two weeks prior to selected delivery date. This should fall two-four weeks after initial vaccination but not closer than two weeks prior to delivery.**

- ⇒ Repeat four-way respiratory virus vaccine. For this vaccination, a **modified live** product is required.
- ⇒ We also recommend boosting the seven-way clostridial vaccine and the pasturella, hemolytica and multocida vaccine.

◆ **Four to ten days prior to delivery**

- ⇒ Intranasal vaccination against BRSV ,Pasteurella mutocida and Mannheimia hemolytica. Recommended product is BOVILIS® NASALGEN®3-PMH (Merck Animal Health).
**If intranasal vaccination are not administered within the suggested time, they will be administered upon delivery at the individual consignor's expense.

REMINDER: The best management plan is to work with your veterinarian to develop a complete herd health program.

Delivery

1. Delivery Date **November 2, 2021**
2. Cattle must be delivered to the Purdue Animal Science Research Center (ASREC)- BEEF Unit at designated time on delivery schedule. A delivery schedule will be mailed within one week following entry deadline.

**Purdue Animal Science Research Center-Beef Unit
6203 West 750 North
West Lafayette, IN 47906
Coordinates: 40.524070N, -87.020447 W**

3. **IBEEF immunization forms must accompany calves to the delivery points in order for the calves to be accepted.** All information **including signatures** requested on the certificate must be completed for certificates to be acceptable. Groups without IBEEF immunization forms or with unacceptable certificates may be rejected at delivery.
4. ** Heifers, will be administered prostaglandin (PGF2 α) between seven to ten days post-delivery.

Evaluation

1. Cattle will be individually weighed, double-tagged with IBEEF ear tags at delivery. In some cases where producers double-tag their calves or they are a member of an alliance, farm tags are not replaced with IBEEF tags. You will be provided a list that allows you to match your farm tag with the IBEEF tag.
2. If selected on the entry form, cattle will receive a growth implant upon delivery and re-implanted at a subsequent weigh date.
3. Cattle will be weighed every 28 days (weather permitting) to monitor growth rate over the course of the finishing period. A summary of performance, health and expenses incurred to that point will be mailed within a week following the body weight measurement.
4. Carcass characteristics (REA, BF and Marbling) will be monitored later in the finishing period using ultrasound. Target compositional end-point is 0.5 inches of backfat, however, cattle will be sold when feedlot management and IBEEF personnel consider cattle to be ready for harvest.
5. Cattle will be delivered to the packing plant and individual carcass data will be collected.
6. Individual animal and a summary of all performance and economic data will be distributed to all participants, as timely as possible. These data will provide information for producer evaluation of breeding, management and marketing alternatives.
7. Owners of IBEEF cattle will be designated a cooperator number that will be linked to their respective IBEEF consignments. Owners will only know their respective cooperator number. This respects the privacy of each owner while allowing for comparison amongst the group.

Dates to Remember:

1. Calves must be brought to the ASREC Beef Unit on **Tuesday, November 2, 2021** at designated time on delivery schedule.
2. The last day to wean calves and be eligible for IBEEF is **October 2, 2021**.
3. Completed nomination forms with a check for \$20 per head are due no later than **October 2, 2021**.
Please make checks payable to IBEP and mail to:

**Attn: Nick Minton
Indiana Beef Evaluation Program
Feldun Purdue Agriculture Center
1117 State Rd 458
Bedford, IN 47421**

Nomination Fee Refund:

1. If an individual animal is delivered but fails to meet IBEEF requirements and is rejected from entering the feedlot, the \$20 fee will be refunded to the producer.
2. If the producer fails to deliver cattle to the 2021 -2022 IBEEF program, the \$20 per animal fee is forfeited.

Feeding Recommendations Pre- and Post-weaning

1. To reduce the incidence of problems at the feedlot and to enhance calf performance, it is important that calves be accustomed to eating from feed bunks/troughs and consuming water from a tank or fountain.

2. Where possible, start calves on creep feed prior to weaning. This will reduce weaning stress. The creep diet can be high quality hay and concentrate feed or concentrate feed only. What is important is, that calves get accustomed to feeds other than pasture forage.
3. Research has shown that following weaning, calves require 7 to 14 days on an average to regain weight lost after weaning. The following programs have been successful for calves after weaning.
 - Grass or mixed grass-legume hay fed free-choice plus 1 to 1.5 lbs. of 40% protein supplement or soybean meal and ground or cracked corn. Use the highest level of protein supplement if hay is mainly grass and the lower level if hay is 50% or more legume. Start with 2 - 3 lbs. of grain. Gradually increase grain level such that grain and protein source combined equal approximately 1% of the calf's body weight on a daily basis.
 - Commercial starter feeding programs can be fed according to manufacturers' recommendations. If this type of program is used, free-choice hay feeding is suggested.
 - Consideration should be given to getting calves to either of the above programs by at least two weeks prior delivery.
 - If corn silage is available follow one of the above programs for at least two weeks. Gradually begin silage feeding and work up to a full feed of silage in 7-10 days. Limit grain to 2-3 lbs. Provide 1.5 lbs. of 40% supplement or soybean meal.

Program (IBEEF) Sponsors:

This program is a joint effort of:

- ⇒ Indiana Beef Evaluation Program Inc. (IBEP)
- ⇒ Purdue University - Animal Sciences Research and Education Center (ASREC) – Beef Unit
- ⇒ Purdue University - Department of Animal Sciences
- ⇒ Purdue University Extension

2021/2022 IBEEF NOMINATION FORM (FORM 1)

(This form must be received at the address indicated in the box below by **October 2, 2021**)

Owner's Name: _____ Farm Name: _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

Premise ID: _____ BQA No. _____ BQA Expiration: _____

Email: _____ Phone: (home) _____ (cell) _____

IBEEF Ear Tag ⁽¹⁾	Farm Ear Tag	Sex S/H	Birth ⁽²⁾		Weaning		Dam ID	Dam	Sire	AI Sire (Y/N)	Sire ID ⁽³⁾	IBEP Bull (Y/N)	Sire Reg. #
			Date	Wt.	Date	Wt.							
Example:	832	S	2/25/20	85	8/15/20	575	389	Sim x Her	Angus	No	31459820	Yes	

⁽¹⁾ IBEEF Ear Tag will be entered by IBEEF personnel at delivery points prior to the calves' being transported to the feedlot.
⁽²⁾ Birth Date is required for age verification. Record the birth date within 3 days if known, otherwise give month of birth or the birth date of the oldest calf in the group.

I have read, understand and agree to abide by the requirements and conditions set for the IBEEF Program.
 Producer's Signature _____ Date _____

Indiana Beef Evaluation Program Feldun Purdue Ag Center Bedford, IN 47421 812-279-4330	For Office Use Only Amount Enclosed: \$ _____ Check No.: _____ Number of Head _____ IBEEF Cooperator # _____
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2021/2022 IBEEF Management Form

(This form must be completed and accompany the entry form)

Owner: _____

Creep Feeding

Were cattle creep fed? YES _____ NO _____

If yes, how many days were cattle allowed access to creep feed? _____

Growth Implants

Have cattle received a growth implant before delivery? YES _____ NO _____

If yes, what implant was administered _____

If yes, what date were cattle implanted _____

Yes, I would like my cattle implanted upon delivery

No, I do not want my cattle implanted upon delivery

2021/2022 IBEEF Immunization Form

(This form must be completed and accompany calves at delivery)

Owner: _____

IBR, BVD, PI3, BRSV vaccine: Product _____
Mfg _____ Serial # _____
Date given _____ Exp. Date _____

7-way Clostridial: Product _____
Mfg _____ Serial # _____
Date given _____ Exp. Date _____

Pasteurella, hemolytica and multocida: Product _____
Mfg _____ Serial # _____
Date given _____ Exp. Date _____

Repeat 2-4 weeks after initial vaccination but not closer than two weeks prior to delivery:

IBR, BVD, PI3, BRSV vaccine (Note: This should be a modified live product):
Mfg _____ Product _____
Date given _____ Serial # _____
Exp. Date _____

7-way Clostridial: Product _____
Mfg _____ Serial # _____
Date given _____ Exp. Date _____

Pasteurella, hemolytica and multocida: Product _____
Mfg _____ Serial # _____
Date given _____ Exp. Date _____

Intranasal (IN) vaccinations

Pasteurella mutocida and Mannheimia hemolytica: Product _____
MFg _____ Serial # _____
Date given _____ Exp. Date _____

BRSV: Product _____
MFg _____ Serial # _____
Date given _____ Exp. Date _____

Other Procedures (i.e. parasite control, supplements):
Please indicate products used and date administered.

I certify that the above procedures have been performed on the dates indicated.

Owner's Signature: _____

Date: _____

**Indiana Beef Evaluation and Economics Feed Program
2021/2022 Application and Contract**

I, _____ hereby request space for _____ steers or _____ heifers in the 2021/2022 IBEEF program to be fed at the Purdue University Animal Science Research Center-Beef Unit. The animal(s) nominated for the IBEEF program are described in this application.

I understand that this application, and my check for \$20 per head will reserve space in the 2021/2022 IBEEF program and will be forfeited* if these cattle are not delivered. I also understand that the entry fee will be refunded if: (a) the program is canceled for any reason prior to the scheduled delivery date, (b) pen space is unavailable because requests for space exceeded the capacity of the facility, or (c) animal is not accepted for any reason at time of delivery. **ENTRIES MUST BE RECEIVED BY October 2, 2021.**

I agree to deliver the animal(s) described in this application on Tuesday, November 2, 2021 to the Purdue University Animal Science Research and Education Center-Beef Unit at the designated time listed on the delivery schedule. You will receive a delivery schedule following the October 2, 2021 entry deadline. Also, I agree to furnish a completed Immunization Form upon delivery. **Any animal(s) that does not have the proper forms or does not have the correct nomination fee will be rejected at delivery.**

I agree to the inspection of my animal(s) by the IBEEF program organizers and the designated veterinarians for the purpose of determining health status, structural soundness and disposition or development and configuration of the teeth. I further agree that decisions reached by the IBEEF program organizers and the designated veterinarians shall be final and without recourse against the Indiana Beef Evaluation Program, Inc., Board of Directors or Officers of the Indiana Beef Evaluation Program Inc., coordinators of the IBEEF Program, Purdue University Animal Sciences Research and Education Center, Purdue University Animal Sciences Research and Education Center Beef Unit, Purdue University, Purdue University Department of Animal Sciences, or Purdue University Extension.

I agree, without further approval, all marketing decisions for my animal(s) consigned to the 2021/2021 IBEEF program are decided by the IBEEF Program coordinators and shall be final with no guarantee of profit by and no recourse against the Indiana Beef Evaluation Program, Inc., Board of Directors or Officers of the Indiana Beef Evaluation Program Inc., coordinators of the IBEEF Program, Purdue University Animal Sciences Research and Education Center, Purdue University Animal Sciences Research and Education Center Beef Unit, Purdue University, Purdue University Department of Animal Sciences, or Purdue University Extension.

I agree, without further approval, that all cost incurred for feeding, daily care, maintaining good health, transportation and obtaining carcass data during the 2021/2022 IBEEF Program feeding period will be collected out of the payment received for the sale of my consigned animal(s) to the 2021/2022 IBEEF Program. I understand that Indiana Beef Evaluation Program, Inc., Board of Directors or Officers of the Indiana Beef Evaluation Program Inc., coordinators of the IBEEF Program, Purdue University Animal Sciences Research and Education Center, Purdue University Animal Sciences Research and Education Center Beef Unit, Purdue University, Purdue University Department of Animal Sciences, or Purdue University Extension assume no risk or liability for any animal consigned to the 2021/2022 IBEEF Program. I further understand that insurance coverage is the responsibility of each owner for his/her animal(s) while at the Purdue University Animal Science Research and Education Center Beef Unit.

Owner's Signature

Today's Date