



ARC • LNR

Excellence in Research and Development

National Beef Recording and Improvement Scheme

Application form 2024



PHASE C – CENTRAL, STANDARDISED GROWTH TESTS
National Beef Recording and Improvement Scheme

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APPLICATION

Attached please find application forms for Phase C growth tests at ARC Bull Testing Centres. If you plan on testing bulls in more than one test, please make copies of this.

Kindly ensure that each application form is completed in every respect and is posted well in advance to reach the specific testing centre a month before arrival. Late entries will only be considered if sufficient space is available.

Send your application forms to the testing centre where you want to test the bulls:

Cedara – KwaZulu Natal

ARC-Animal Production

P O Box 342

PIETERMARITZBURG 3200

Johan Binedell

Telephone : 033 330 5668 / 083 799 6600

E-mail : BinedellJ@arc.agric.za

Eisenburg – Western Cape

ARC-Animal Production

Infruitec Campus

Private Bag X5013

STELLENBOSCH 7599

Rodney Manyongwana

Telephone : 021 808 5258 / 082 314 0508

E-mail : ManyongwanaR@arc.agric.za

Glen – Bloemfontein – Free State

ARC-Animal Production

Private Bag X01

GLEN 9360

Mohau Moshounyane

Telephone : 051 861 2144 / 078 771 8646

E-mail : MoshounyaneM@arc.agric.za

Irene - Gauteng

ARC-Animal Production

Private Bag X2

IRENE 0062

Jurgen Hendriks

Telephone : 012 672 9260 / 084 304 3904

E-mail : Hendriksj@arc.agric.za

Vryburg – North West

ARC-Animal Production

P O Box 14

VRYBURG 8600

Tebogo Serapelwane

Telephone : 012 672 9499 / 083 711 2224

E-mail : tebogo@arc.agric.za

TEST DATES

There are 12 tests per year at all ARC Phase C bull testing centres (one per month). These dates are not exactly the same for all centres and also vary from year to year. Kindly contact the test centre manager for the exact dates. Please note the age and weight requirements (see below) when applying for a test. If unsure, please contact the test centre manager.

REQUIREMENTS AND RULES

The most important requirements and rules are listed for your information:

- **Participation**
Bull calves should be eligible for registration or recording. Grade bull calves shall only be allowed for testing if it is approved by the breeders' society concerned.
- **Please take note** that you need to submit a copy of the animal's birth certificate with this application.
- **Age and weight**
Only bull calves 151 to 250 days of age at begin adaptation date of which the arrival weight falls within the minimum and maximum range per breed (see Table 1), as determined from time to time by the General Manager, shall be accepted for testing. The arrival weight is calculated as the mean of weights taken on two consecutive days. These age and weight limits are strictly applicable and unfortunately no exceptions will be allowed.
- **Veterinary Requirements**
Bull calves shall only be eligible for testing if the owner can certify that these bull calves have been immunized against anthrax, botulism, black-quarter and lumpy skin disease and bovine rhinotracheitis (IBR) two weeks prior to arrival at the Phase C centre. Immunisation against gall-sickness, red water and heart water, although not compulsory, is recommended.

The following inoculation programme is recommended:

- 2-3 months old - Anthrax and gall-sickness inoculations.
 - 3-4 months old - Combined black-quarter/botulism inoculation
 - 5-6 months old - Combined black-quarter/botulism (2nd inoculation) and lumpy skin disease.
 - Bull calves must be free of internal and external parasites as well as ringworm, mange, warts and footrot.
 - **It is recommended that all bull calves be vaccinated against respiratory tract infections at least a month before arrival (Express or Bovishield Gold or other).**
 - All bull calves will be dosed and immunized against infections bovine rhino tracheitis (IBR), virus scours and para-influenza on arrival at the testing centre.
- **Number of bulls**
Members are recommended to test at least three bulls per weaning group together in a Phase C1 or C2 test. It is also highly recommended that these bulls be the progeny of at least two sires of which at least one sire is a linking sire, in other words a sire of which one of more progeny has already been tested in a Phase C test.
 - **Other rules**
 - Merit awards will be made at the end of each test, as stipulated in the Rules of the National Beef Recording and Improvement Scheme.
 - Only Gold, Silver and Bronze merits will be awarded based on the performance criteria used to award the different merit categories. Animals will also be brandmarked accordingly. Please take note that the weaning index of the animal will not be used to determine the merit to be allocated and the weaning weight is not a prerequisite for participation in the test.
 - Insurance for the bulls for the period that the bulls will be at the ARC test centre, must be done by the owner himself, with an insurance company of his choice. The owner of bulls which are not insured, carry the risk for bulls that may get injured, pick up an, disease or die for whatever reason.
 - **The total cost of the test is payable at the testing centre before the bulls will be released at the end of the test.**

Table 1: Empty stomach body weight limits on arrival per breed

Breed	Minimum (kg)	Maximum (kg)
Afrigus	205	255
Afrikaner	200	260
Afrisim	235	290
Angus	250	305
Beefmaster	230	285
Beef Shorthorn	215	265
Bonsmara	220	270
Boran	190	250
Braford	230	280
Brahman	225	275
Brangus	220	270
Braunvieh	260	320
Charbray	235	295
Charolais	250	310
Chianina	260	320
Dexter-Kerry	175	220
Drakensberger	220	270
Galloway	210	260
Gelbvieh	250	310
Hereford	225	275
Huguenot	220	270
Kentshire	215	265
Limousin	240	295
Mashona	160	205
Nguni	160	205
Pinzgauer	250	310
Pinzyl	190	250
Red Poll	235	290
Romagnola	250	310
Salers	220	270
Sangauer	180	225
Santa Gertrudis	235	290
Senepol	220	270
Simbra	250	310
Simmentaler	260	320
South Devon	250	310
Sussex	260	320
Tuli	195	240
Wagyu	220	270

**PHASE C – CENTRAL, STANDARDISED GROWTH TESTS
 APPLICATION FOR ADMISSION AND AGREEMENT TO COMPLY WITH THE RULES**

I (full name) _____ (postal address)

Tel nr: _____ E-mail: _____ Farm located at: _____

ID number: _____ Member number: _____

1. Hereby apply to enter (number) _____ bull(s) for test _____ at the _____ testing centre for participation in a Phase C/BGP of the National Beef Recording and Improvement Scheme.

Phase C BGP BGP: _____ % from Breed Society Breed Societies's signature: _____

	YES		NO		DATE	YES	NO
Had the bulls been inoculated against:							
Lumpy skin disease					Did these bulls receive creep feeding?		
Botulism					Is your herd TB accredited? (PLEASE SEND COPY OF CERTIFICATE WITH APPLICATION FORM)		
Anthrax					Have the bulls been treated for internal parasites?		
Back-quarter (optional)					Have the bulls been treated for external parasites?		
Gall-sickness (optional)					Do any of the bulls have mange, warts or footrot?		
Redwater (optional)					Should DNA profiling be done on the bulls which are approved?		
Heartwater (optional)					Is the birth certificate(s) attached to this application?		

Bull calf					Dam			Sire			For Office Use				
HDM	ID Nr	Year	Seq. Nr	Computer Nr	Born	Breed	Birth weight	ID Nr			Arrival weight	Accepted		Stable number	
								HDM	Year	Seq. No		Year	HDM		Seq. No

2. I hereby agree to:

- (a) personally pay for all transport costs of my bulls to and from the particular centre; and
- (b) pay the processing and management fees and costs for feed, medicine and veterinary services of my bulls for the duration of stay at the test centre at the end of the test.

ARC Account Name: ARC RECEIPT ACCOUNT / Bank: STANDARD BANK / Branch: HATFIELD / Branch Code: 05-10-01 / Account Nr: 012 588 792

3. I understand and accept that:

- (a) the ARC accepts no liability for any loss as a result of or damage to a bull sustaining an injury or dying while staying at the centre or while being transported to or from the centre;
- (b) the ARC may reject any bull which does not comply with the veterinary regulations or which is not considered suitable for testing;
- (c) my bulls will be branded at the end of the test with a merit brand mark in accordance with their test performance;
- (d) the ARC may hold back at the end of a test a bull or bulls for which the full cost of the test has not been paid;
- (e) should I fail to comply with any condition of this agreement or to carry out any instructions or directives by the ARC officers, the ARC may recover from me as a co-operator any costs arising there from.
- (f) the ARC will submit the performance test data of my animal(s) to my breed society after completion of the test

Signed at _____ this _____ day of _____ 2024.

_____ Owner's Signature

ARC official signature _____

Date _____

Fee structure of the National Beef Recording and Improvement Scheme

ARC-Animal Production

1 April 2023 – 31 March 2024

	Unit Price (VAT Excl)
1. PERFORMANCE RECORDING ON INTERGIS	
1.1 Phases A & B (Stud animals)	
Annual herd fee	R 295.00
Annual per capita fee – paper option	R 7.75
Annual per capita fee – electronic option	R 5.18
1.2 Phases A & B (Commercial Animals)	
Annual herd fee	R 143.00
Annual per capita fee – paper option	R 5.18
Annual per capita fee – electronic option	R 3.86
1.3 Central Standardized Bull Growth and Feed Efficiency Tests at ARC Test Centres (Phase C and RFI)	
Feed costs	Actual feed consumed
Management fee per bull	R 622.00
Processing (dip, dose, etc.)	R 256.00
RTU scanning	Included in test fees
1.4 On-farm post weaning Growth Tests (Phase D)	
Farm visit (>100 km radius)	R 1357.00
Farm Visit (<100 km radius)	Standard ARC per kilometer tariff
Fee per bull in test (includes weighing)	R 77.00
Real Time Ultrasound scanning (RTU)	R 36 per animal scanned
2. RTU SCANNING/WEIGHING SERVICES	
RTU scanning/weighing of animals	
Farm visit (>100 km radius)	R 1357.00
Farm Visit (<100 km radius)	Standard ARC per kilometer tariff
Up to 50 animals (minimum 10): (RTU per animal)	R 85.00
50-100 Animals: (RTU per animal)	R 77.00
> 100 animals: (RTU per animal)	R 68.00
Weighing of animals (mobile scale): per animal	R 59.00
3. CONSULTATION SERVICES	
Farm visit (>100 km radius)	R 1357.00
Farm Visit (<100 km radius)	Standard ARC per kilometer tariff
Consultation fee/per hour (Includes presentations and training, max 8 hours per day)	R 245.00 (maximum of R1 960 per day)
4. ARC REPRESENTATION ON BREEDER'S SOCIETY TECHNICAL COMMITTEES	
Direct cost for traveling and subsistence if applicable	

Enquiries:	Beef Recording Office:	Mrs R Bodiro	012 672 9087
		Dr. Ben Greyling	012 672 9052
		Mr Thokozani Ndonga	012 672 9029

Access to information

Individual members will have access to their own information and a breeders' society will have access to the information of all its members.

Technology Transfer Services

- **Training courses:**
 - Beef Recording and Performance Testing
 - Beef Breeding with Breeding Values
 - BeefPro Beef Cattle Management Software
 - GenePro Breeding Management Software
 - Beef Cattle Management
- **Manuals, Books & Newsletters:**
 - Beef Breeding in SA
 - Beef Production Manual
 - National Beef Recording and Improvement Scheme Newsletter
- Articles for journals, newsletters, agricultural magazines, etc.
- Lectures at farmer's days, etc.

Consultation Services

- Herd screening - Identification of non-functional, unproductive and/or inefficient animals
- Identification of excellent bulls and cows (potential AI bulls & embryo donor cows)
- Herd reproduction analysis and services (data/report available prior to visit)
- Herd profitability analysis (total input/output)
- Setting up herd management programmes
- Breeding plans:
 - Breeding objectives (software assisted)
 - Breeding strategies (software assisted)
 - Selection of animals for breeding groups and AI
- Visual evaluation and linear classification
- Inspection of animals for registration
- Screenings of animals for sales
- Interpretation of breeding values, diagnostics of performance figures

About the Agricultural Research Council

The Agricultural Research Council, a schedule 3A public entity, established in 1990 through the Agricultural Research Act 86 of 1990 (as amended by Act 27 of 2001) is a premier science institution that conducts research with partners, develops human capital and fosters innovation in support of the agricultural sector. Its core mandate as defined in the Act is to act as the principal agricultural research institution in South Africa so as to conduct research, drive research and development, drive technology development and the transfer (dissemination) of information in order to: Promote agriculture and related industries; Contribute to a better quality of life; Facilitate/ensure natural resource conservation; and Alleviate poverty. It provides diagnostic, laboratory, analytical, agricultural engineering services, post-harvest technology development, agrochemical evaluation, consultation and advisory services, food processing technology services as well as various surveys and training interventions.

For more information visit the ARC website at: www.arc.agric.za