

**SA** STAMBOEK  
STUD BOOK

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**Riglyne vir Op-die-Plaas Bulgroeitoetse  
Guidelines for On-Farm Bull growth tests**



## RIGLYNE VIR OP-DIE-PLAAS BULGROEITOETSE

## GUIDELINES FOR ON-FARM BULL GROWTH TESTS

### TIPE TOETSE:

ENKELKUDDE TOETSE  
VEELKUDDE TOETSE (MEER AS EEN KUDDE SAAM)

**DOEL:** Bulgroeitoetse is daar om die genetiese potensiaal van jong bulle se groei en die doeltreffendheid daarvan so akkuraat as moontlik onder verskillende gekontroleerde voedingstoestande te identifiseer. Diere moet verkieslik geëvalueer word onder dieselfde toestande as waar die nageslag binne hul produksie-sisteem gaan presteer. Bulgroeitoetse dien ook terselfdertyd as 'n gekontroleerde grootmaakproses van jong bulle.

### 1. DEELNAME

- 1.1 Lede van Telersgenootskappe wat deelneem aan SA Stamboek se dienste, kan hul bulle aan bulgroeitoetse onderwerp. Sulke bulkalwers moet die nageslag wees van bulle wat geregistreer is.
- 1.2 'n Bulgroeitoets sal slegs as amptelik beskou word as minstens 10 bulkalwers per ras, bestaande uit registreerbare, of aangetekende graad bulkalwers, wat vir 'n toets goedgekeur is, die toets voltooi.
- 1.3 Die ouderdomme van die bulkalwers in 'n toetsgroep mag nie met meer as 100 dae verskil nie, met 'n maksimum individuele ouderdom van 425 dae aan die begin van die aanpassingsperiode.
- 1.4 Die aanpassingsperiode kan wissel tussen 21 en 90 dae afhangende van die groeitempo en toetsprosedure. Die aanpassingsperiode kan kort wees vir intensiewe en enkelkudde toetse en langer vir ekstensiewe en veelkudde toetse. Gedurende die aanpassingsperiode moet die bulle dieselfde dieet ontvang as gedurende die toetsperiode en daar moet 'n gewigstoename wees voordat die toets kan begin.

### TEST TYPES:

SINGLE HERD TESTS  
MULTIPLE HERD TESTS (MORE THAN ONE HERD AS A GROUP)

**PURPOSE:** Bull growth tests are done to determine the genetic potential as well as efficiency of the growth of young bulls as accurately as possible under different controlled feeding conditions. It is preferable that animals are evaluated under the conditions where the progeny must perform within their production system. Bull growth tests simultaneously serve as a controlled way to raise young bulls.

### 1. PARTICIPATION

- 1.1 Members of Breeders' Societies, participating in SA Stud Book's services, can participate in bull growth tests. These bull calves must be the progeny of registered bulls.
- 1.2 A bull test will only be regarded as official if at least 10 bulls per breed, consisting of registerable or recorded grade bulls, inspected and accepted for this purpose, complete the test.
- 1.3 The age of the bull calves in a test group may not differ more than 100 days. The maximum individual age being 425 days at the onset of the adaptation period.
- 1.4 The adaptation period may vary between 21 and 90 days depending on the growth rate and test procedure. The adaptation period may be short for intensive and single herd growth tests and longer for extensive and multiple herd tests. The bulls must receive the same diet during the adaptation and test periods and bulls must have had some weight gain before the test can start.

1.5 Dit is wenslik dat die gewig van die ligste en swaarste kalf in 'n toetsgroep, nie die maksimum gewigsvariasie per ras, by die begin van aanpassing oorskry nie.

1.6 Bulkalwers moet die toets as 'n groep begin en eindig. Onttrekkings kan slegs plaasvind as 'n dier siek of beseer is en dit die groep kan benadeel.

1.7 Kategorieë van voedingstoestande is as volg :

- Intensief – kragvoer (groeirantsoen) in 'n kraal
- Semi-intensief – genoegsame kragvoer met baie ruvoer in 'n groter kampie
- Semi-ekstensief – veld of aangeplante weiding met aanvulling
- Ekstensief – veld met 'n lek

1.8 Bul groeitoetse sal 'n minimum tydperk van 84 dae en 'n maksimum tydperk van 270 dae duur na die voorafbepaalde aanpassingsperiode. 'n Gemiddelde minimum toename en groeitempo tydens die toetstydperk word per ras vereis, soos in die onderstaande tabel aangedui :

1.5 It is desirable that the weights of the lightest and heaviest calf in the group, do not exceed the maximum weight variation per breed at the beginning of the adaptation period.

1.6 Bull calves must begin and end the test as a group. Withdrawals are only allowed when a sick or injured calve may impair the group.

1.7 Categories of feeding levels:

- Intensive – concentrate (growth ration) in feeding pen
- Semi-intensive – sufficient concentrate with ample roughage in a larger camp
- Semi-intensive – veld or pasture with supplement
- Extensive – veld with a lick

1.8 Bull growth tests will be for a minimum period of 84 days and a maximum of 270 days after the adaptation period. An average minimum gain and growth tempo per breed during the test period is a requirement as indicated in the table below:

RAS / BREED	MAKSIMUM/MAXIMUM	MINIMUM	MINIMUM
	GEWIGSVARIASIE (Kg) WEIGHT VARIATION	TOENAME (Kg) GAIN	GDT (g) ADG
Afrikaner, Ankole, Dexter, Nguni, Sanganer, Tuli, Wagyu	65	90	400
Afrigus, Afrisim, Beef Shorthorn, Bonsmara, Boran, Drakensberger, Galloway, Kentshire, Red Poll, Salers, Senepol, Sussex	75	110	500
Angus, Beefmaster, Charbray, Hereford, Hugenoot, Pinzgauer, PinZyl	80	120	550
Braunvieh, Charolais, Chianina, Gelbvieh, Romagnola, South Devon	85	130	600

1.9 Deelnemers moet toesien dat die toepaslike immuniserings en in- en uitwendige parasietbeheer toegepas is voor die aanvang van die aanpassingsperiode.

## 2. PLIGTE VAN DEELNEMERS AAN BULGROEITOETSE

2.1 Die hele prosedure, voeding en bestuur, moet saam met die SA Stamboek Tegnieuse Adviseur beplan word tot onderlinge tevredenheid.

2.2 Die prosedure sal stiptelik uitgevoer word sonder enige afwyking, tensy SA Stamboek 'n wysiging toestaan.

2.3 'n Kopklamp, drukgang met betonvloer deel en betroubare beeskaal, goedgekeur deur SA Stamboek, moet vir weging en die neem van liggaams- en ander mates, beskikbaar wees. Indien 'n teler wil gebruik maak van ultrasoniese skandering (RTU), moet daar betroubare kragtoevoer wees. Die werkarea moet verkieslik onder dak en stofvry wees.

2.4 Die bulkalwers se leëpensliggaamsgewigte moet op twee agtereenvolgende dae geneem word by die begin en afsluit van die toets. Gedurende die toets moet die bulkalwers elke 14 dae geweeg word. Hierdie binnetoets gewigte hoef nie leëpens te wees nie.

2.5 Volle besonderhede, wegings ens., van elke bulkalf en 'n dagboek van belangrike toetsverwante gebeure, soos byvoorbeeld beserings, siektes, opblaas, ens, moet deurgaans op datum gehou word.

2.6 Daar sal te alle tye aan SA Stamboek toegang tot die toetsterrein en die rekords verleen word.

2.7 By die aanvang van 'n toets moet die deelnemer(s) die kalwers ondersoek vir erflike gebreke (bv. Hipoplasië) en dit aanteken.

2.8 Die aanpassing- en begin-toets gewigte, asook notas van enige erflike gebreke moet binne sewe dae na die begin van die toets, aan SA Stamboek gestuur word vir verwerking.

1.9 Participants must take care that applicable immunization and internal and external parasite control are applied before the beginning of the adaptation period.

## 2. OBLIGATIONS OF PARTICIPANTS IN BULL GROWTH TESTS

2.1 The entire procedure, feeding and management must be planned with the SA Stud Book Technical Advisor, enabling mutual satisfaction.

2.2 These procedures will be followed and can only be changed with the permission of SA Stud Book.

2.3 A neck clamp, crush with a concrete floor portion and reliable SA Stud Book approved cattle scale must be available for weighing and the taking of body and other measurements. Reliable electricity supply is important, should the breeder prefer ultra sound scanning (RTU). The working area must preferably be sheltered and dust free.

2.4 Empty stomach body weights of the bull calves must be taken on two consecutive days at the beginning and end of the test. During the test the bulls must be weighed every 14 days. These in-test weights do not have to be with empty stomachs.

2.5 Detailed particulars, weighings etc., of every bull calf as well as a diary of important incidents such as injuries, illnesses, bloating etc., must be kept updated during the test.

2.6 SA Stud Book will be granted access to the test facilities as well as to the records at all times.

2.7 At the beginning of the test, the participant(s) must examine the concerned calves for hereditary defects (eg Hypoplasia) and record them.

2.8 The adaptation and beginning test weights, as well as notifications of any hereditary defects, must be forwarded to SA Stud Book for processing within seven days after the beginning of the test.



2.9 Die op-datum toetsgewigte moet veertien dae voor die einde van die toets, aan die betrokke SA Stamboek adviseur gestuur word.

2.10 Indien 'n toets, om watter rede ook al, verleng of gekanselleer word, moet die betrokke SA Stamboek adviseur onmiddellik in kennis gestel word.

### 3. PLIGTE VAN SA STAMBOEK

3.1 Slegs 'n Stamboek geakkrediteerde persoon mag, volgens ICAR reëls, die bul-toets evaluasie hanteer.

3.2 SA Stamboek is verantwoordelik om toe te sien dat die ooreengekome toetsprosedure of enige wysigings daarvan, nagekom word.

3.3 Ten einde toesig te hou oor die toetsprosedure, mag SA Stamboek die toetsterrein sonder kennisgewing besoek om die prosedure en rekords na te gaan. Indien SA Stamboek daarvan oortuig is dat die vereistes en prosedures nie nagekom is nie, sal die toets geen amptelike erkenning ontvang nie.

3.4 Die nodige aantekeningdokumente is op aanvraag beskikbaar as 'n deelnemer nie BenguFarm Beef (vroeër BeefPro) gebruik nie.

3.5 'n SA Stamboek adviseur (of gekoöpteerde verteenwoordiger), sal teenwoordig wees by die afsluiting van die toets vir die neem van die tweede leëpens eindgewig en die liggaamsmates en verwerking van die toetsresultate.

3.6 Liggaamsmates soos skrotum omvang, hoogte en lengte is verpligtend en veldikte is opsioneel. Werklike en gekorrigeerde liggaamsmates word ook verwerk. Die gekorrigeerde skrotum omvang word gebruik by keuring.

2.9 The updated test weights must be sent to the relevant SA Stud Book advisor, fourteen days before the end of the test.

2.10 Should a test for some or other reason be lengthened or cancelled, the relevant SA Stud Book advisor must be informed immediately.

### 3. OBLIGATIONS OF SA STUD BOOK

3.1 Only a Stud Book accredited person may complete the bull test evaluation according to ICAR rules.

3.2 SA Stud Book is responsible to see that the agreed test procedure or any deviations from it, is adhered to.

3.3 In order to monitor the test procedure, SA Stud Book may visit the test facilities at any time without notification to verify the procedure and the records. If SA Stud Book is convinced that the requirements and procedures have not been adhered to, the test will not be officially recognized.

3.4 The necessary recording documents are available at request if a participant does not use BenguFarm (BeefPro).

3.5 A SA Stud Book advisor (or co-opted representative), will be present at the completion of the test for weighing the bulls with the second end test empty stomach weights, taking the body measurements and processing of the test results.

3.6 Body measurements such as scrotum circumference, height and length is compulsory and skin thickness is optional. Actual and adjusted body measurements are calculated. The adjusted scrotum circumference is used with inspection.

3.7 Ultrasoniese mates (RTU) is opsioneel. Die ultrasoniese (RTU) verslag bied die volgende: rooivleis opbrengs, marmering, spier oppervlakte, vetverspreiding asook spier: been:vet verhouding.

3.8 Die data sal verwerk word en die resultate so gou moontlik na voltooiing van die toets, aan die deelnemer(s) beskikbaar gestel word. Resultate soos GDT (groei oor toets) en GDO (gewig per dag van ouderdom), word in gram sowel as 'n indeks uitgedruk binne die kontemporêre groep. Die inligting is bruikbaar by keuring van die bulle.

3.9 Uit bogenoemde word daar beraamde teelwaardes vir elke eienskap verwerk.

3.10 Data sal so gou moontlik na afloop van die toets op die Logix Vleisbeestelsel geplaas word en amptelike prestasie-verslae en sertifikate sal uitgereik word.

3.11 Visuele punting is beskikbaar op aanvraag.

#### 4. ALGEMEEN

Deelnemers onderneem om te hou by die ooreengekome prosedures en om wegings stiptelik en korrek te doen.

Deelnemers word aangemoedig om soveel as moontlik bulle te laat deelneem ten einde meer betekenisvolle vergelykende data te verkry.

Kontak asseblief u betrokke Tegniiese Adviseur onverwyld ten einde 'n bultoets te beplan.

Tariewe: geldig tot 30 Junie 2015  
(BTW UITGESLUIT)

Bul toetsfooi ---	R925.00
Foos per bul ---	R 52.50
Skandeer foos per bul ---	R 52.50 (opsioneel)

3.7 Ultrasonic measurements (RTU) are optional. The ultrasonic (RTU) report provides the following: red meat yield, marbling, muscle area, fat distribution and muscle:bone:fat ratio.

3.8 The data will be processed and the results will be available as soon as possible after completion of the tests. Results such as ADG (growth on test) and ADA (weight per day of age), are expressed in grams as well as an index within the contemporary group. This information is useful during inspection of bulls.

3.9 Breeding values from the above mentioned traits, are being calculated.

3.10 Data will as soon as possible after the completion of the test, be available on the Logix beef system and official production records and certificates will be issued.

3.11 Visual scoring of animals is available on request.

#### 4. GENERAL

Participants undertake to comply with the agreed procedures and to record the weights promptly and correctly.

Participants are encouraged to enter as many bulls as possible for enabling more significant comparable data.

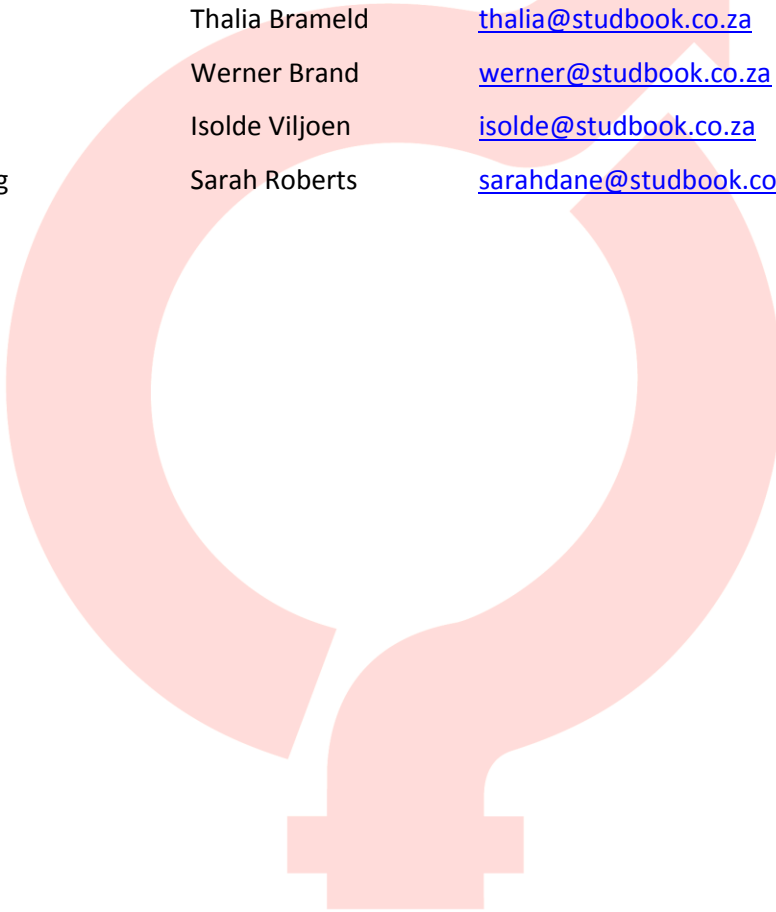
Please contact your applicable Technical Advisor as soon as possible to plan a bull test.

Tariffs: valid until 30 June 2015  
(VAT EXCLUSIVE)

Bull test fee ---	R925.00
Fee per bull ---	R 52.50
Scan fee per bull ---	R 52.50 (optional)

**SA STAMBOEK: TEGNIESE ADVISEURS / SA STUD BOOK: TECHNICAL ADVISORS**

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