

Artificial insemination

Part 3: Preparation

by Joel Nkuna

To get your cows in calf needs a lot of preparation. You need good, fertile semen (you can buy this from Taurus). You also have to make sure that the cow is in heat. Then you also need good insemination techniques. This series of articles will teach you how to inseminate your cow the right way. In this edition we will focus on what you must do before you can inseminate your cow.

Before you can start to inseminate your cows, you must first make sure of the following things:

- The cows should be at least 60 days after calving before you can inseminate again. If you want to make extra sure that she gets pregnant, you must wait a bit longer
- The cow should be in good health. She should not have any infections or disease in her reproductive track – these are the parts that make sure that she can get pregnant. If there is infection, the cow will not get pregnant
- You must be sure that the cow is in heat
- The cow you want to inseminate should be properly held down so she does not hurt herself. A crush pen is recommended.

Make sure that the instruments you will use for the artificial insemination (AI) are not broken and will still work. Arrange the instruments in the following order:

- Sharp scissors/or straw cutter
- Paper towel/or cotton wool
- Arm-length gloves
- Lubricant
- Pistolet
- Sheaths
- Sanitary sheaths
- A wide mouthed Thermos flask containing water of between 35°C and 37°C.

Place a thermometer into the Thermos flask. This is so that you can check the temperature the whole time. The Thermos flask should be placed close to the nitrogen flask so that the semen can be placed into it easily. Warm thepistolet by rubbing it with a clean towel. The sperm can be damaged if the warm semen is loaded into a cold pistolet. Pull back the plunger so that the straw does not touch it while being loaded into the pistolet.

You are now ready to start the insemination process. Next time we will look at the insemination procedure. [UM](#)

Preparations for

Voorbereiding vir kunsmatige inseminasie | Amalungiselelo okumiselwa kwemazi yenkomo

1. Buy good, fertile semen.

1. Koop goeie, vrugbare semen.

1. Thenga imbewu yobunkunzi efanelekileyo netyebileyo.

1. Thenga isidoda esihle esivundile.

1. Reka peo ya botona e ntle, hape e nonneng.

2. Make sure that the cow is in heat and good health.

2. Maak seker dat die koei op hitte en gesond is.

2. Qinisekisa ukuba imazi yenkomo idumbile kwaye isempilweni encomekayo.

2. Qinisekisa ukuthi inkomo isesikhathini sokukhwelwa futhi iphilile.

2. Etsa bonnete ba hore e se e loketse ho palangwa ke e tona (in heat) mme e phetse hantle.

- Inseminate again at least 60 days after calving
- Insemineer weer ten minste 60 dae na kalwing
- Misela kwakhona kwisithuba seentsuku ezingama-60 (iinyanga ezi-2) emva kokuzala
- Phinda futhi umithise okungenani emva kwezinsuku ezingama-60 ngemuva kokumitha kwenkomo
- Kenya hape peo ya botona bonyane matsatsing a 60 ka mora ho tswala

- Use a crush pen
- Gebruik 'n drukgang
- Sebenzisa isibaya
- Sebenzisa ipeni lokugaya
- Sebedisa *crush pen*

3. Make sure that the instruments you will use are in good working order.

3. Maak seker dat die instrumente wat jy gaan gebruik in 'n goeie, werkende kondisie is.

3. Qinisekisa ukuba izixhobo oza kuzisebenzisa ziyasebenza.

3. Qinisekisa ukuthi izinto ozisebenzisayo zisesimweni esikahle sokusebenza.

3. Etsa bonnete ba hore disebediswa tseo o tla di sebedisa di maamong a matle a ho sebetisa.

- Sharp scissors, paper towel or cotton wool
- Skerp skêr, papierhandoek of watte
- Izikere ezibukhali, itawuli yephepha okanye uboya bomqhaphu
- Isikele esibukhali, ithawula lephepha noma lewuli engukotini
- Sekere se bohale, thaole ya pampiri kapa *cotton wool*

- Arm-length gloves
- Armlengte-handskoene
- Iglavu zengalo
- Amagilavu amade engalo
- Ditlelafo tsa bolelele bo lekanang letsoho



artificial insemination

Ukulungiselela ukuzimithisela | Ho lokisetsa ho kenya peo ya botona ka letsoho

- Lubricant
- Smeermiddel
- Isithambiso
- Isithambisi
- Setlolo
- Pistolet
- Pistolet
- Ipistolet
- Isibhanyana
- Pistolet
- Sheaths
- Skede
- Isingxobo
- Imishume
- Dilata
- Sanitary sheaths
- Sanitère skede
- Isingxobo esicocekileyo
- Imishume yokuhlaza
- Dilata tsa ho hlwekisa
- Thermometer
- Termometer
- Ithemomitha
- Into yokuhlola ukushisa
- Thermometer
- A wide mouthed Thermos flask with water (35°C-37°C)
- 'n Wyebek-thermosfles met water (35°C-37°C)
- Iflaskhi yobushushu enomlomo omkhulu enamazi (iqondo lobushushu 35°C-37°C)
- Isigcini manzi esinomlomo obanzi esinamazi (35°C-37°C)
- Thermos flask ya molomo o moholo e nang le metsi (35°C-37°C)
- Nitrogen flask
- Stikstoffles
- Iflaskhi yenitrojini
- Isigcini manzi senayithrojini
- Nitrogen flask. **UM**

