



rural development & land reform

Department:
Rural Development and Land Reform
REPUBLIC OF SOUTH AFRICA



agriculture & rural development

Department:
Agriculture and Rural Development
PROVINCE OF KWAZULU-NATAL



UMKHIQIZO WEZINKOMO ZESINTU



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RURAL DEVELOPMENT PROJECT



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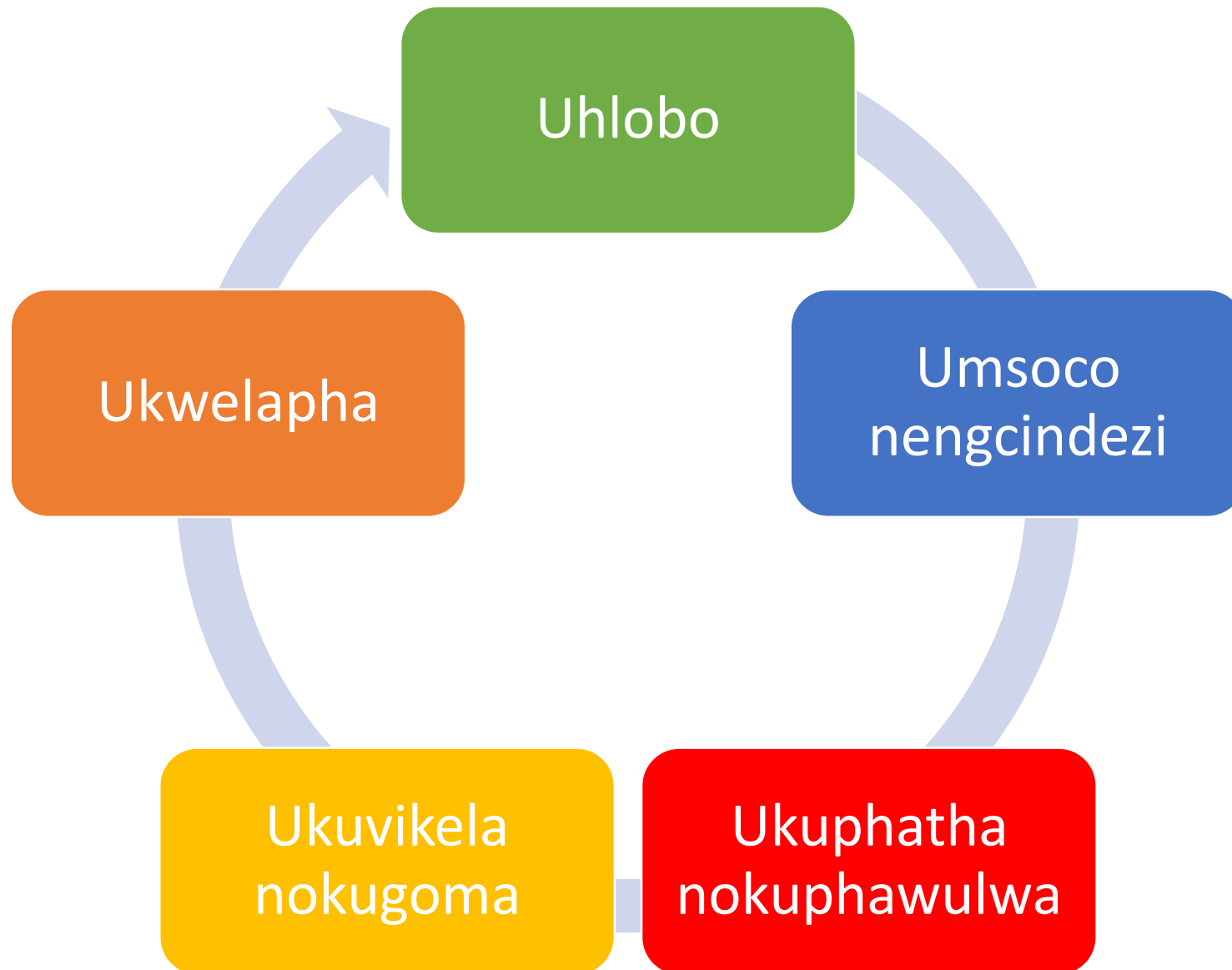
Umkhiqizo wezinkomo zesintu

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3. Inkomo ephilile
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6. Ukuhlola izinga lokushisa nesisindo senkomo
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25. Ukuthena
26. Ukushisa izimpondo
27. Ukusekela amankonyane ngomsoco
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Page references in this module are based on the Animal Health Handbook

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Izinto ezisemqoka ekuphatheni imfuyo



Izinto ezisemqoka ekuphatheni imfuyo

Ukunakekela imfuyo iyona ndlela esebenza ngempumelelo ukuvikela izilwane ukuthi zingangenwa izifo – Izindlela ezahlukene zokunakekela zibaliwe kulomdwebo.

Kubalwe izinto ezi-5 ezibalulekile uma unakekela imfuyo.

Nikeza isibonelo sayo ngayinye nokuthi kungani kubalulekile?

Iziphi ezi-2 ezibaluleke kakhulu ukugcina umhlambi wakho uphilile futhi kungani?

Uhlobo



Uhlobo

Iluphi uhlobo onalo emhlambini wakho?

Iluphi uhlobo lwezinkunzi olubona emphakathini wangakini?

Yiluphi ufuzo olungeluhle olungaethwa yilezinkunzi?

Buyini ubuhle bazo?

Iziphi izinkinga okungenzeka zifike nohlobo lwangaphandle?

Inkomo ephilile



Inkomo ephilile

Iyiphi inkomo ephilile kulezi?

Iziphi izimpawu zenkomo egulayo?

Uma ubheka isibaya sakho ngabe ziningi eziphilile noma ezigulayo?

Engabe wenzeni okuholele ukuthi izinkomo zakho zigcine zikulesimo?

Ukubheka ubudala benkomo

Diagram 1: Handy guide to determining the age of cattle by the teeth

	At birth to 1 month	Two or more of the temporary incisor teeth present. Within first month, entire 8 temporary incisors appear.
	2 years:	As a long-yearling, the central pair of temporary incisor teeth or pinchers is replaced by the permanent pinchers. At 2 years, the central permanent incisors attain full development.
	2 ½ years:	Permanent first intermediates, one on each side of the pinchers, are cut. Usually these are fully developed at 3 years.
	3 ½ years:	The second intermediates or laterals are cut. They are on a level with the first intermediates and begin to wear at 4 years.
	4 ½ years:	The corner teeth are replaced. At 5 years the animal usually has the full complement of incisors with the corners fully developed.



Ukubheka ubudala benkomo

Kungani kubalulekile ukwazi ubudala besilwane sakho?

Uyihlola kanjani iminyaka?

Ngabe buyini ubudlelwano phakathi kweminyaka nempilo yesilwane?

Ukubheka ukunonophala

BCS	3.0	4.0	5.0	6.0
Backbone Rear view Side profile				
Long Ribs				
Short Ribs				
Hips				

Ukubheka ukunonophala

Kungani kubalulekile ukwazi izinga lokunonophala kwesilwane sakho?

Engabe izinga ngalinye likuchazelani ngesilwane sakho nempilo yaso?

Buyini ubungozi bokukhuluphala ngokweqile kwesilwane?

Ukubheka izinga lokushisa nesisindo senkomo



Ukubheka izinga lokushisa

Kubaluleke ngani?

Iziphi izinto okufanele uziqikelele ngaphambi kokuthatha izinga lokushisa?

Iyiphi indlela engcono yokuthatha izinga lokushisa?

Ayini amazinga okushisa ezilwane ezahlukene?

Uma isilwane sinezinga lokushisa elingafanele, kusho ukuthini?

Uma sishisa ngokujwayelekile kodwa sikhombisa ukugula, kusho ukuthini?

Ukukala isisindo

Iziphi izindlela ezahlukene zokukala inkomo?

Imaphi amaphutha ongawenza ngesikhathi ukala inkomo yakho?

Kubaluleke ngani ukwazi isisindo sesilwane sakho?

Chaza izitebhiso okumele uzilande uma ukala inkomo.

Umkhomba ndlela		
Amazinga		
Izinkomo	38	39
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Izinkukhu	41	43
Izimvu	38	40

Ukucacelwa ngemithi ehlukene



Ukucacelwa ngemithi ehlukene

Imiphi oyaziyo kulemithi?

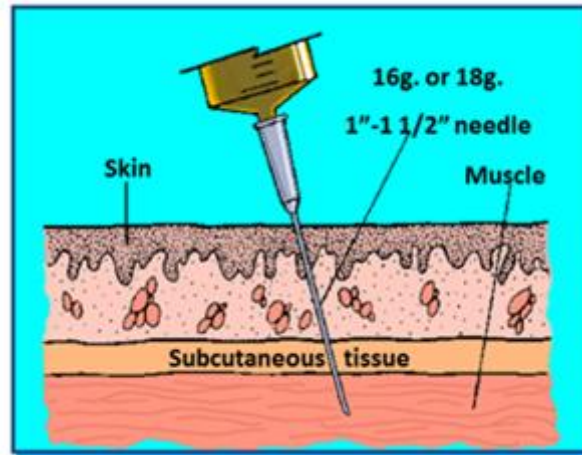
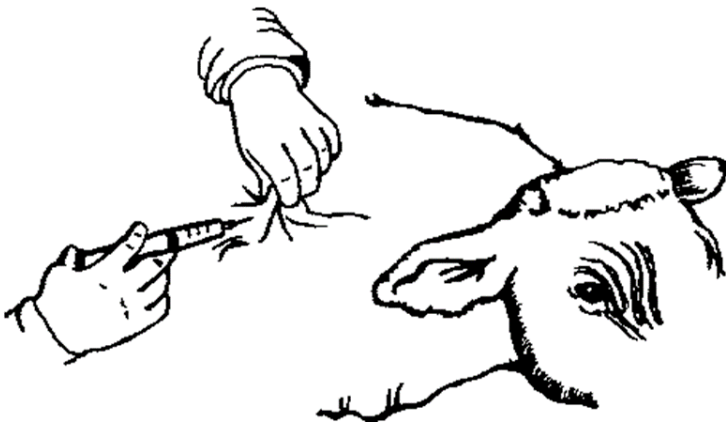
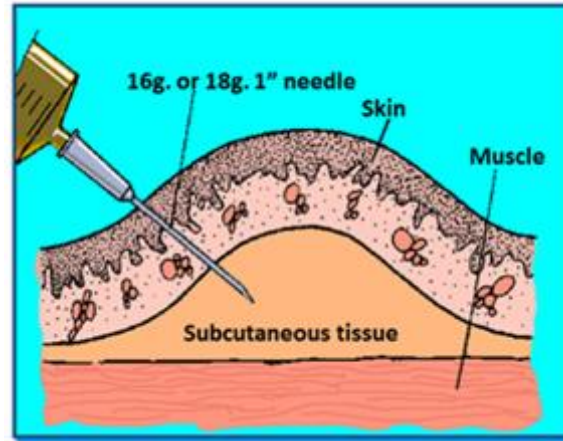
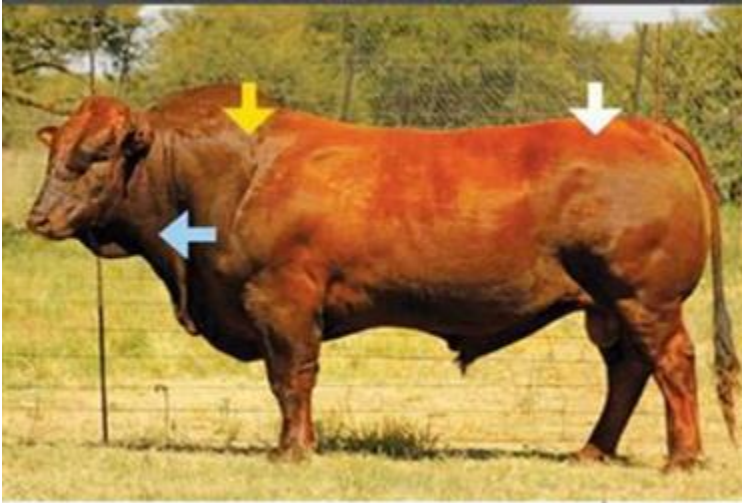
Yini umsebenzi wawo ngamunye?

Yimuphi ongayisebenzisa kuziphi izinkinga?

Yini umehluko phakathi kwe-LA ne Short Acting?

Imiphi kulena ongagoma ngayo?

Ukujova nokuphuzisa ngendlela



Ukujova ngendlela efanele

Kunini lapho ojova khona esicutshini/ngaphansi kwesikhumba?

Ujova kuphi nendawo esicutshini/ngaphansi kwesikhumba?

Kwenzekani uma ujova umuthi omningi endaweni eyodwa?

Kwenzekani okanye kukuchazelani uma uthi uyajova kubuye igazi?

Engabe bukhona obunye ubungozi okufanele ubuqaphe uma ujova?

Wenzenjani kulendawo usuke uqeda ukujova kuyo?

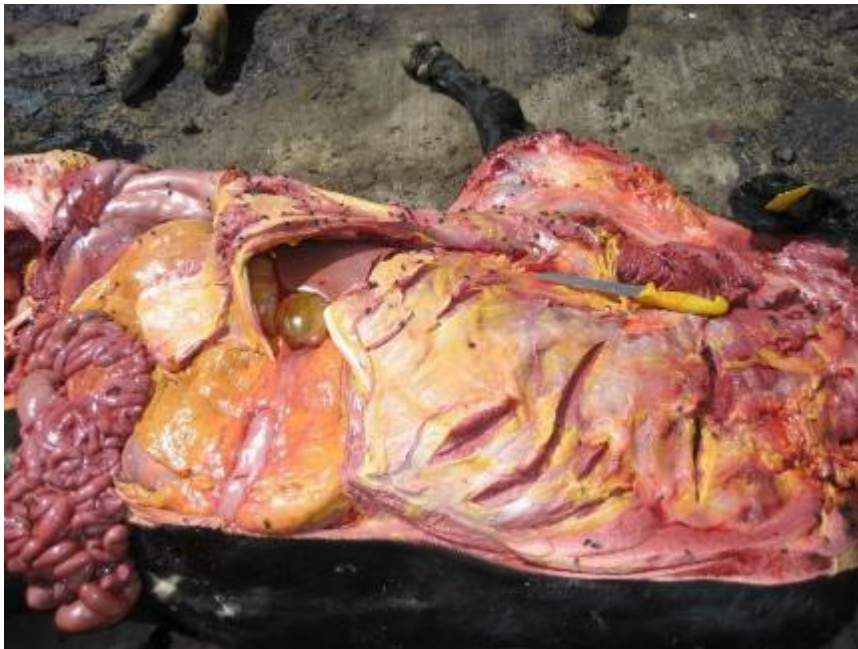
Ukuphuzisa ngendlela efanele

Ungasebenzisa liphi ithuluzi ukuphuzisa?

Uphuzisa kanjani ngendlela efanele?

Kwenzekani uma uphuzisa ngendlela engafanele?

Umbendeni



Umbendeni

Ngabe ukewasibona lesisifo kulendawo?

Ngabe lesisifo sihlasele ezezinsikazi noma ezezinduna-ezindala noma ezincane?

Ngasiphi isikhathi sonyaka obona ngaso umbendeni?

Iziphi izimpawu zalesisifo?

Ikuphi okokwelapha kwasendaweni?

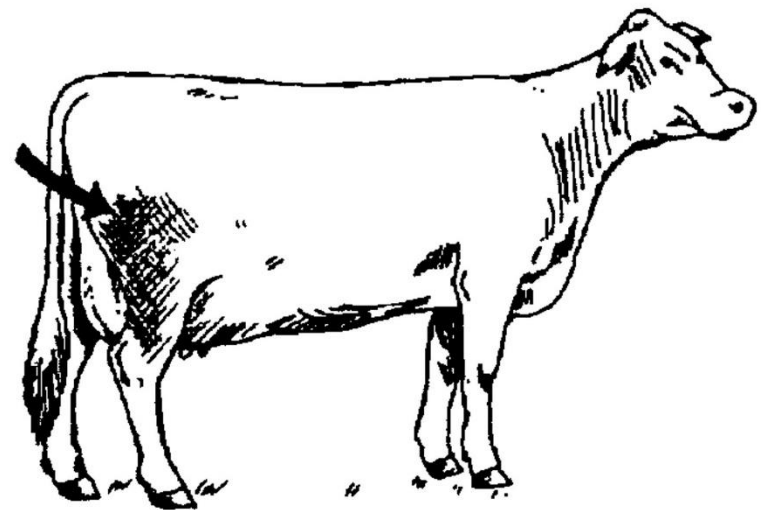
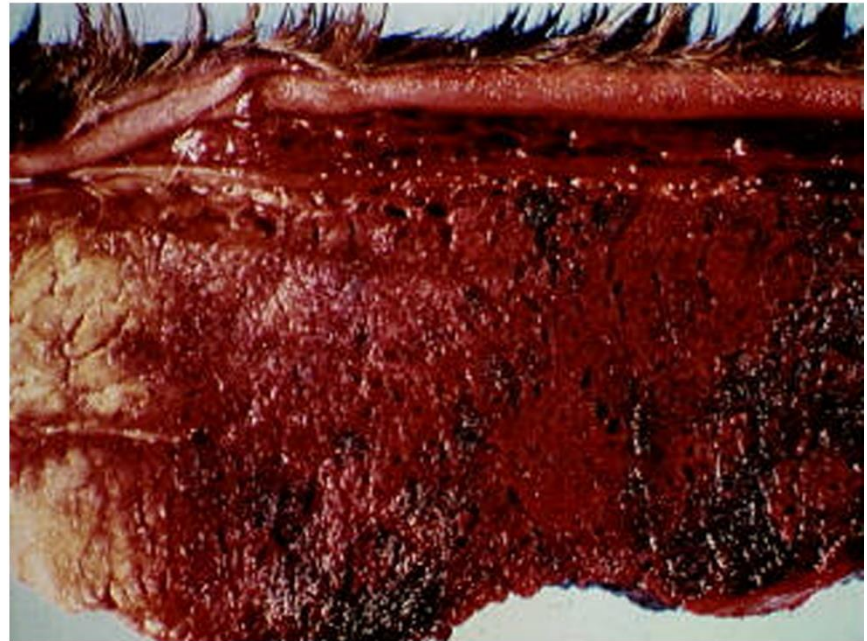
Ngabe sibangelwa yini?

Ungasivikela kanjani?

Ungaselapha kanjani?

Ibuphi ubungozi ngokuthatha izinkomo endaweni engenawo umbendeni uziyise endaweni enalesisifo?

Umkhonywana



Umkhonywana

Ngabe ukewasibona lesisifo kulendawo?

Ngabe sivame kwezezinduna noma ezezinsikazi-kwezindala noma kwezincane?

Ngasiphi isikhathi sonyaka obona ngaso umkhonywana?

Iziphi izimpawu?

Ikuphi okokwelapha kwasendaweni?

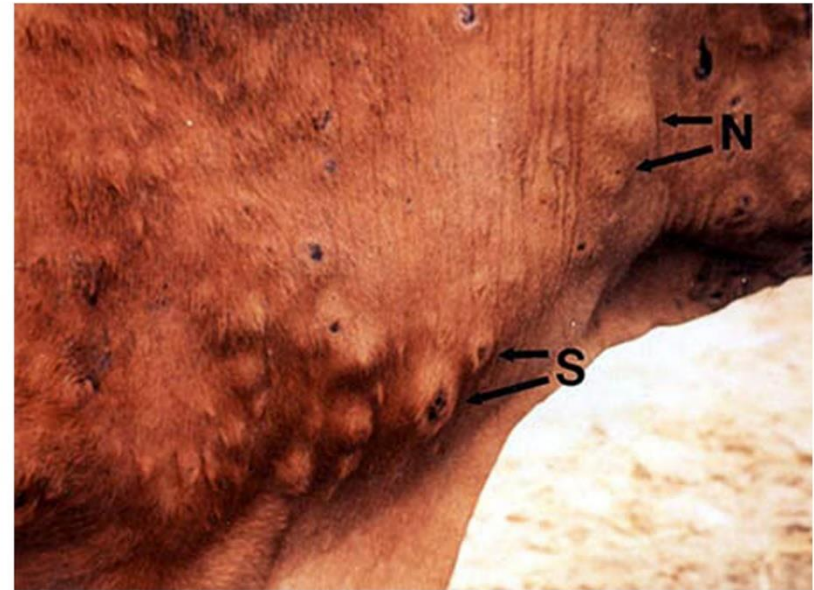
Sibangwa yini?

Ungasivimbela kanjani?

Ungaselapha kanjani?

Sisabalala kanjani phakathi komhlambi?

Isifo samaqhuqhumba



Isifo samaqhuqhumba

Ngabe ukewasibona lesisifo kulendawo?

Ngabe sivame kwezezinduna noma ezezinsikazi-kwezindala noma kwezincane?

Sibonakala ngasiphi isikhathi sonyaka isifo samaqhuqhumba?

Iziphi izimpawu?

Ikuphi okokwelapha kwasendaweni?

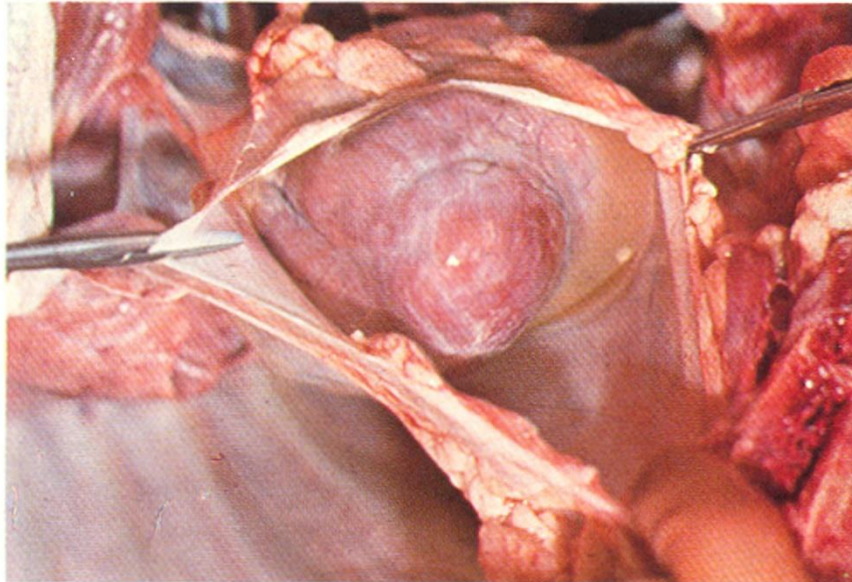
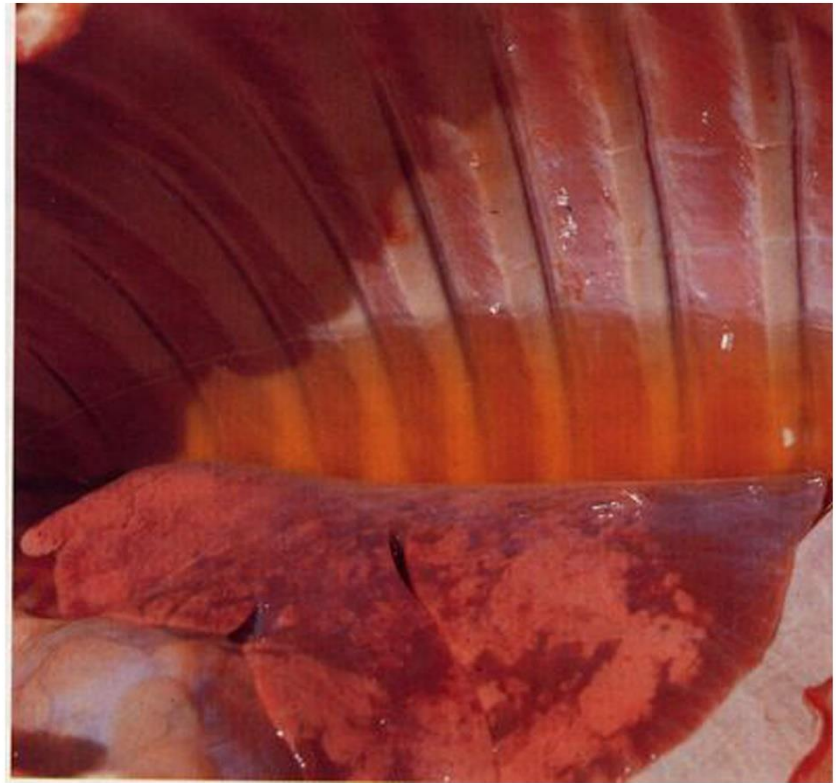
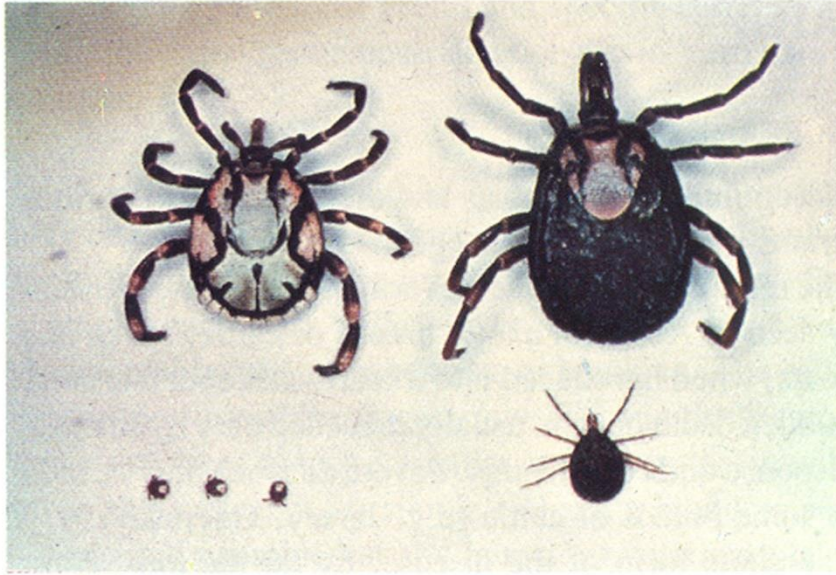
Sibangwa yini?

Ungasivimbela kanjani?

Ungaselapha kanjani?

Sisabalala kanjani phakathi komhlambi?

Umqhaqhazelo



Umqhaqhazelo

Ngabe ukewasibona lesisifo kulendawo?

Ngabe lesisifo sihlasele ezezinsikazi noma ezezinduna-ezindala noma ezincane?

Ngasiphi isikhathi sonyaka obona ngaso umqhaqhazelo?

Iziphi izimpawu zalesisifo?

Ikuphi okokwelapha kwasendaweni?

Ngabe sibangelwa yini?

Ungasivikela kanjani?

Ungaselapha kanjani?

Ibuphi ubungozi ngokuthatha izinkomo endaweni engenawo umqhaqhazelo uziyise endaweni enalesisifo?

Isifo seNyongo neMfudumalo

Rhipicephalus evertsi evertsi

Male



Female



Distribution



Isifo seNyongo neseMfudumalo

Isifo seNyongo

Ngabe ukewasibona lesisifo kulendawo?

Ngabe lesisifo sihlasele ezezinsikazi noma ezezinduna-ezindala noma ezincane?

Sijwayeleke ngasiphi isikhathi sonyaka isifo senyongo?

Iziphi izimpawu zalesisifo?

Ikuphi okokwelapha kwasendaweni?

Ngabe sibangelwa yini?

Ungasivikela kanjani?

Ungaselapha kanjani?

Izinsumpa



Izinsumpa

Ngabe ukewasibona lesisifo kulendawo?

Ngabe sivame kwezezinduna noma ezezinsikazi-kwezindala noma kwezincane?

Zibonakala ngasiphi isikhathi sonyaka izinsumpa?

Iziphi izimpawu?

Ikuphi okokwelapha kwasendaweni?

Sibangwa yini?

Ungazivimbela kanjani?

Ungazelapha kanjani?

Zisabalala kanjani phakathi komhlambi?

Isifo samafinyila ne Nagana



Isifo samafinyila ne Negana

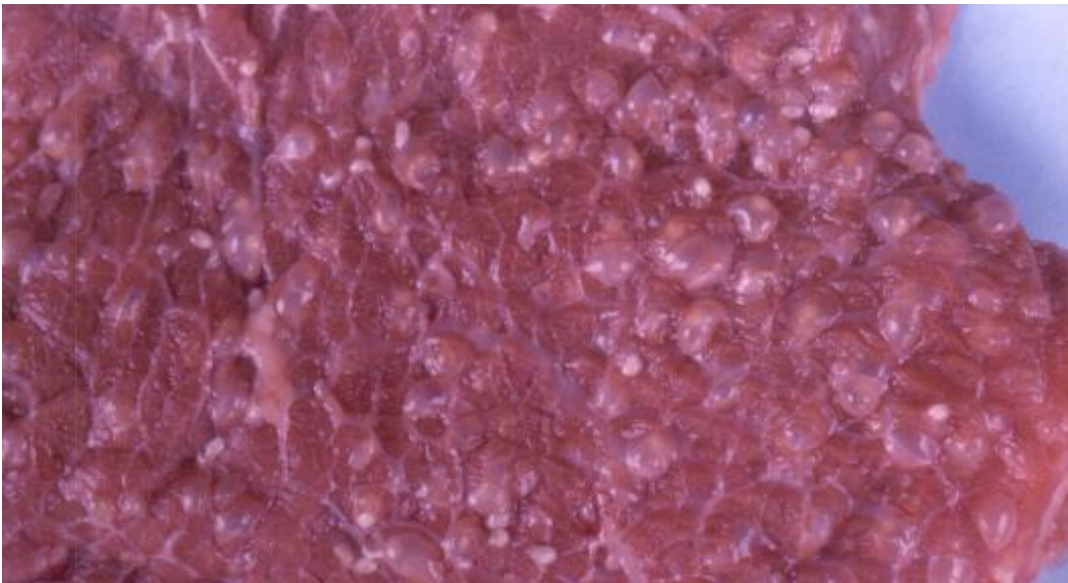
Isifo samafinyila

Ngabe ukewasibona lesisifo kulendawo?
Ngabe sivame kwezezinduna noma ezezinsikazi-kwezindala noma kwezincane?
Sibonakala ngasiphi isikhathi sonyaka lesisifo?
Iziphi izimpawu?
Ikuphi okokwelapha kwasendaweni?
Sibangwa yini?
Ungasivimbela kanjani?
Ungaselapha kanjani?
Sisabalala kanjani phakathi komhlambi?

Nagana

Ngabe ukewasibona lesisifo kulendawo?
Ngabe sivame kwezezinduna noma ezezinsikazi-kwezindala noma kwezincane?
Sibonakala ngasiphi isikhathi sonyaka lesisifo?
Iziphi izimpawu?
Ikuphi okokwelapha kwasendaweni?
Sibangwa yini?
Ungasivimbela kanjani?
Ungaselapha kanjani?

Izikelemu ezingamabhande neziyizinsungulo



Izikelemu ezingamabhande neziyizinsungulo

Ngabe izikelemu zivela ngokwendalo?

Yini ekwenza uqaphele izikelemu?

Ubona ngani uma sekukhona izikelemu?

Uzibona nini? Ikuphi okokuzilawula kwasendaweni noma imithi?

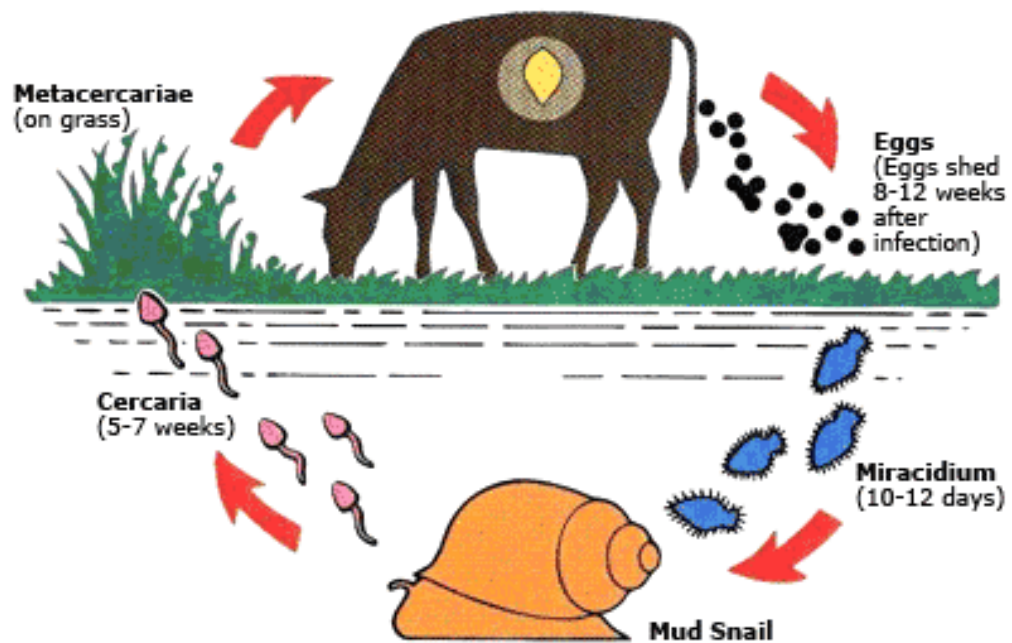
Ngabe ujwayele ukuwuphuzisela izikelemu wonke umhlambi wakho?

Ingabe usebenzisa umuthi ohlukene kulezikelemu iziyizinsungulo
nakwezingamabhande?

Ingabe uphuzisa lezo ezinenkinga noma uphuzisa umhlambi wonke? Ngabe
kunezikhathi zonyaka lapho ziyinkinga kakhulu okukanye zingcono khona?

Ngabe zisabalala kanjani?

Izilo zesibindi nosu



Izilo zesibindi nosu

Iziphi izilo enike nizibone?

Iziphi izimpawu?

Ikuphi okokuzilawula noma imithi yendawo eniyisebenzisayo?

Engabe usebenzisani?

Ngabe uphuzisa lezo ezinenkinga noma uphuzisa umhlambi wonke?

Ngabe kunezikhathi zonyaka lapho ziyinkinga kakhulu okanye zingcono khona?

Ngabe zisabalala kanjani?

Izimuncagazi zangaphandle



Izimuncagazi zangaphandle

Ziyini izimuncagazi zangaphandle?

Iziphi izimo noma izimuncagazi oke wazibona?

Zijwayeleke kangakanani endaweni yakho?

Iziphi izimpawu oye uzibone ngalezimuncagazi ezahlukene?

Iziphi izikhathi zonyaka oye uzibone ngazo?

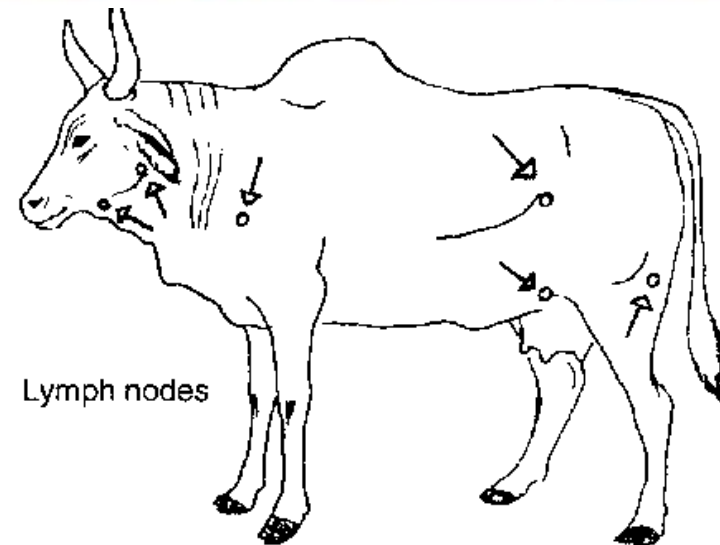
Yini oke uyisebenzise ukuzilawula?

Yini oke uyenze ukuzigwema?

Yini oke uyenze uma sezibhedukile?

Ngabe ulawula wonke umhlambi noba ubheka lezi ezinezinkinga?

Amaphuphutheka athalelanayo namathumba



Amaphuphutheka athelelanayo

Ukewasibona lesisifo ezimbuzini zakho?

Iziphi izimpawu zalesisifo?

Zibangwa yini izifo zamaphuphutheka ezahlukene?

Ungasivikela kanjani?

Ungaselapha kanjani?

Ungakuvikela kanjani ukutheleleka kwezinye?

Yini esabalalisa lesisifo emhlambini?

Amathumba

Ukewasibona lesisifo ezimbuzini zakho?

Iziphi izimpawu zalesisifo?

Sibangwa yini? Ungasivikela kanjani?

Ungaselapha kanjani futhi nini?

Ungakuvikela kanjani ukutheleleka kwezinye?

Uma uqeda ukuhlanza ithumba ubomvu ubulahlahphi?

Isifo sophunzo nokufa kwemibele



Isifo sophunzo nokufa kwemibele

Ingabe uke ubone izinkomo zakho ziphunza?

Uwenzenzenjani umbungu emveni kokuthi ziqeda ukuphunza?

Ingabe abalaphi bezemfuyo bendawo bayasigomela isifo sokuphunza?

Ingabe niyakhweliselana ngezinkunzi emphakathini? Lokhu kungaholela kanjani ophunzweni?

Uphunzo luhlobana kanjani nokushoda komsoco?

Wazini ngesifo sezinkunzi sokuphunzisa?

Isifo semibele

Ukewasibona lesisifo phambilini?

Kwenzekani uma singasheshanga ukwelashwa.

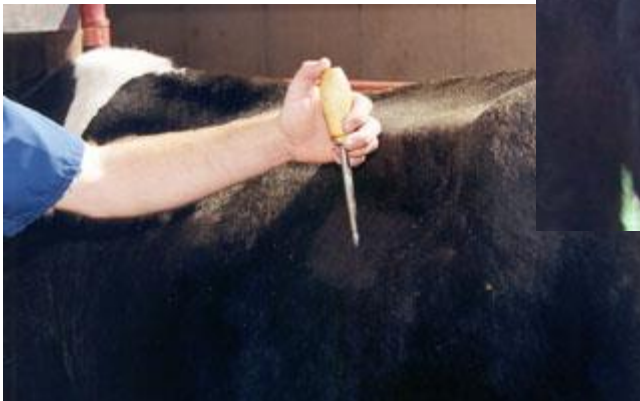
Sibangwa yini?

Ungasivikela kanjani? Usihlola kanjani?

Ungaselapha kanjani?

Ungakuvikela kanjani ukutheleleka kwezinye?

Ukudla izinto ezingafanele



Ukudla izinto ezingafanele

Uke wabona lokhu kuziphatha okanye lezimpawu?

Kungani zenza kanjena?

Kuyingozi ngani lokhu emfuyweni yakho?

Ungasivikela kanjani?

Uma izilwane zidla uplastiki, yini engenziwa ukwelapha lokhu?

Zikhona lezitshalo ngakini?

Lezitshalo engabe ezomdabu noma ezokufika?

Ngasiphi isikhathi sonyaka okubonakala ngaso lesisimo?

Lokhu kunamthelela muni emfuyweni yakho?

Izinsiza kusebenza nemithi



Izinsiza kusebenza nemithi

Shono ukuthi iyini lemikhiqizo?

Eyokwenzani?

Ungayithenga kuphi lemikhiqizo?

Kufanele uyigcine kanjani lemikhiqizo?

Uluphi ulwazi olubalulekile ekufanele ulwazi olusebhokisini/ebhodleleni?

Ukugcina imithi nokulandela iketanga lokubanda



Ukugcina imithi nokulandela iketanga lokubanda

Uluthola kuphi ulwazi lokuthi imithi ngokuhlukana kwayo kufanele igcinwe kanjani?

Wazi kanjani ukuthi umuthi awukaphelelwa isikhathi?

Kungani iketanga lokubanda libalulekile?

Isiphi kuleziqandisi ongasisebenzisela ukugcina imithi?

Ingabe iyiphi indawo ebanda kakhulu noma kancane kusiqandisi?

Ikuphi ongakuphatha ngalezizinto ezahlukene – umuthi okanye umgomo?

Ingabe zigcina izinga lokubanda isikhathi esingakanani?

Ukuphawula umhlambi



Ukuphawula umhlambi

Yini okudingeka uyenze ukuze uthole isitifiketi sophawu lwemfuyo?

Buyini ubungozi bokungabi nalo uphawu olugunyazwe uhulumende?

Ungasebenzisa yini icici noma ukusika indlebe njengophawu olusemthethweni?

Ingabe idiphu lakho lunalo uphawu lwediphu futhi ungalusebenzisa kanjani?

Ingabe unaso isitifiketi sophawu?

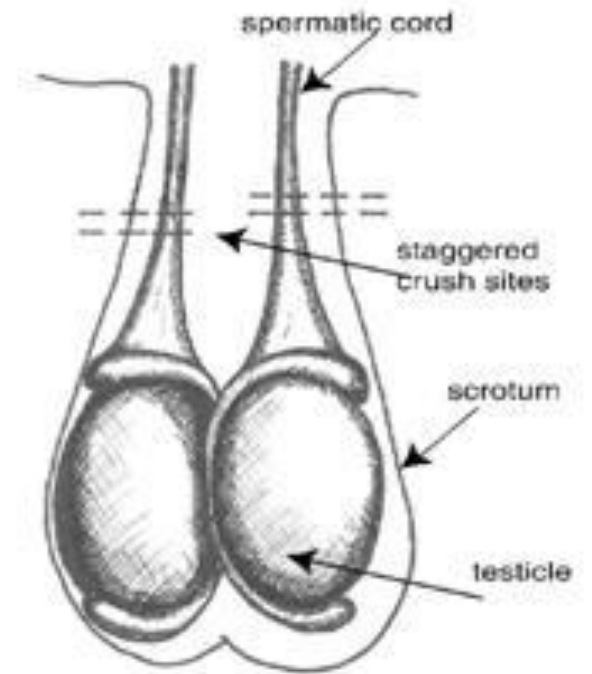
Kubaluleke ngani ukuba nezakho izinsimbi zokushisa?

Ungazithenga kuphi?

Iziphi izingxenye zomzimba wenkomo ongashisa khona uphawu?

Ingxoxo ngezitebhisi zokushisa uphawu

Ukuthena



Ukuthena

Kungani kubalulekile ukuthena?

Ngabe iziphi izindlela ezahlukene zokuthena esizaziyo? Buyini ubuhle nobubi bazo?

Uzikhetha kanjani okufanele uzithene?

Ulindele ukubona muphi umehluko phakathi kwezitheniwe
nezingathenwanga?

Kufanele usiqaphele isikhathi esingakanani emva kokusithena?

Wazi kanjani ukuthi ukuthena kube yimpumelelo?

Yisiphi isikhathi esikahle sobudala sokuthena?

Izitebhiso zokuthena

Ukushisa izimpondo



Ukushisa izimpondo

Isiphi isikhathi esikahle sokushisa izimpondo?

Ingabe buyini ubuhle bokushisa izimpondo?

Iziphi izindlela ezahlukene zokushisa izimpondo?

Buyini ubuhle nobubi bendlela ngayinye?

Ukutshalwa kwefolishi, ukuligcina kanye nokuphakela



Ukutshalwa kwefolishi, ukuligcina kanye nokuphakela

Kungasiphi isikhathi sonyaka lapho zilambe kakhudlwana?

Ingabe iziphi ezishayeka kakhulu emhlambini nezishayeka kangconywana?

Iziphi izinsalela zezitshalo ezingaqoqwa endaweni yangakini?

Kungafanele ziqoqwe futhi zigcinwe kanjani?

Kulekelela kanjani ukusekela ngokuphakela izilwane zakho?

Ungazigaya kanjani ukuze zidle kalula?

Buyini ubungozi bokuphakela ukudla okokuqala izinkomo zakho?

Ifomu lokwelapha

CAHW work sheet

CAHW name

Area of work

Date	Name of farmer	Identification of animal tattoo etc	Type and Weight of animal	Famaacha and temperature	Treatment or intervention type	Type of medicine used	Dosage used	Dosage cost	Total Charged to farmer	Cell phone of farmer	Farmer signature
Total											

Igama le-CAHW: _____ NGO/Govt official: _____

Ifomu lokwelapha

Kungani kubalulekile ukwazi ukuthi lisebenza kanjani ifomu lokwelapha?

Ubani obamba liphi iqhaza ukuligcwalisa?

Yini esingayibona noma siyikale ngokucubungula lelifomu?

Kungani kubalulekile ukuliqonda nokulilandela lelifomu?