

UBOYA

EMZANTSI AFRIKA



UBOYA
EMZANTSİ AFRIKA



Wool in South Africa

Cape Wools SA NPC

Wool House

18 Grahamstown Road

North End

Port Elizabeth

6056

Managing editor:

Rachelle Greeff

Writers:

Almero de Lange, Rachelle Greeff and

The Story of Wool in Australia @ the Kondinin Group, Australia.

Photographers:

- Cape Wools SA • Wicus Leeuwen (www.ziyafanaimages.co.za)
- Elmarie Basson (sheepdogs p 42) • Ewan Louw (Dormer p 4)
- Transnet Port Terminals (cargo ship in Port Elizabeth harbour p 39)
 - Kondinin Group, Australia
- Rain Africa (Merino felt slippers p 62) www.rainafrika.com
- Sneeuberg (Merino wool duvets p 60) www.sneeuberg.co.za
- Cowgirlblues (Merino yarn p 60) www.cowgirlblues.co.za
- African Expressions (Merino yarn p 62) www.africanexpressions.co.za

Cartoonist:

Alex van Houwelingen

www.alexvanhouwelingen.co.za

Designer:

Nadene Kriel, Flame Design

www.flamedesign.co.za

First published in 2014

Copyright @ text Cape Wools SA NPC

Copyright @ photographs, illustrations and

cartoons @ Cape Wools SA NPC

ISBN: 978-0-620-59517-9

UBOYA

EMZANTSI AFRIKA



Yintoni uboya?

p	5
p	8
p	10
p	24
p	46
p	58
p	70
p	80
p	82

lindawo ezintlanu zokuvveliswa koboya

Imvelaphi

Umvelisi

Imveliso

Umthengi

Umandla

Uluhlu Iweenkcazelو

Isalathiso

"MOLWENI MANENE,
NDINGU MNU MALUSI,
ZIBANDAKANYENI NAM
NGENDLELA YELIZWE
ELIMANGALISAYO LOBOYA...
'C'MON, UKUBA UYALALA
UZOSALAI!"





Umchebi uvuna uboya egusheni



Uboa busigcina sifudumele engqeleni



Uboa begusha bukhangeleka ngoluhlobo
xa bukhula egusheni

Uboa **lusinga** Iwendalo kuba bukhula egusheni Inkubo yokufumana uboya egusheni ibizwa ngokuba **kukucheba**. Abantu abenza oku babizwa ngokuba **ngabachebi**.

Emva kokuba uboya buchetyiwe bungenziwa ukuba bube ziimveliso ezininzi ezahlukeneyo. Emva kokuba buchetyiwe bungakhula kwakhona.

Uboa obuchetyiweyo begusha bubizwa ngokuba buboya begusha. Izichazi-magama ezifanelekileyo zizakukuxelela ukuba igama elithi uboya begusha lithetha "isikhumba soboya begusha".

Ngokumangalisayo uboya....

- **Buyaquma**
(bukugcina ufudumele engqeleni kwaye upholile ebushushwini)
- **bukhaphukhaphu**
- **bomelele**
- **buthambile**
- **buyawulibazisa umlilo**
(abutshi/abuvuthi lula)
- **bugxotha amanzi**
(buqhubela amanzi kunye nokufuma kude ngaphambi kokuwafunxa.)

Ngoku uyaqonda ukuba kutheni abantu bebebusebenzisa kangangamawaka eminyaka ezimpahleni, kwiimpahla ezelukiwego, kwii fanitshala naseku gqumeni.

Xa iimeko zigabadelo kwaye isibhakabhaka sinomda uboya lusinga olugqibeleyo empahleni. Kungenxa yoko bunxintya ngoosomajukujuku esibhakabhakeni, oomatiiloshe abaqhuba iinqanawa kumalwandle, iinzululwazi zencam yomhlaba kunye nabantu ababhaqa i-oli kumaqondo angaphantsi ko ziro e-Alaska. Bonke bathembele kwiimveliso zoboya ekufudumalenii nasekukhuselekeni.

Nangona iyeyamandulo njengo singa, ikwagqibeleye kutyelélélo Iwasesibhakabhakeni, i-bundubashing, ukunyuka i-Mount Everest okanye ukunxiba nje endlini.

(Inxenyen yesicatshulwa ilungswe ukusuka ku Mbutho we Hlabathi we Mpahla Elukwe ngo Boya, i-WTO)

UBOYA YINTO
ENTLE!



WOW UBOYA



lintsinga zoboya zingagobeka kangangamaxhesa angama-30 000 ngaphandle kokuphuka okanye

zonakale. Ingatsaleka ukuya kutsho kwisinye esithathwini sobude bayo kwaye emva koko ibuyele endaweni yayo. Ingafunxa kananjalo umthamo omninzi wokufuma ngaphandle kokuba ibemanzi, into eyenza ukuba ifaneleke kwizinxibo zemidlalo.



YINTONI UBOYA?

Uboa lusinga olukhula egusheni ukwenza uboya begusha obukhuselayo obugquma ubuninzi bomzimba bazo. Uboa begusha bufutshane kufuphi nobuso, imilenze nasesuswini, kodwa bude kwaye buthambile ngokunqamleza umqolo nasemacaleni omzimba.

Obuboya begusha bukhuela igusha kwimozulu. Buzigcina zifudumele kwixesha lasebusika kwaye zipholile kwixesha lasehlotyeni. Uboa bukwakhuela isikhumba segusha ekutshisweni lilanga.

BUKHULA NJANI UBOYA?

Ngokuqhubekekayo, okuthetha ukungayeki. Usinga loboya ngalunye lukhulela ngaphandle kwisikhumba segusha.

Uboa begusha bungachetywa kunya ngamnye. Emva koko buzakuphinda bukhule de ibekukuchetywa okulandelayo.

Uboa bukhula phakathi kwe 6mm kune ne 10mm ngenyanga, kodwa oku kuyohlukana ngokuxhomekeke kwinzala, isondlo kune nommandla.

BUVAKALA NJANI UBOYA?

Buvakala buthambile kwaye bunamafutha kancinane ngaphambi kokuvaswa okanye bulungiswe.

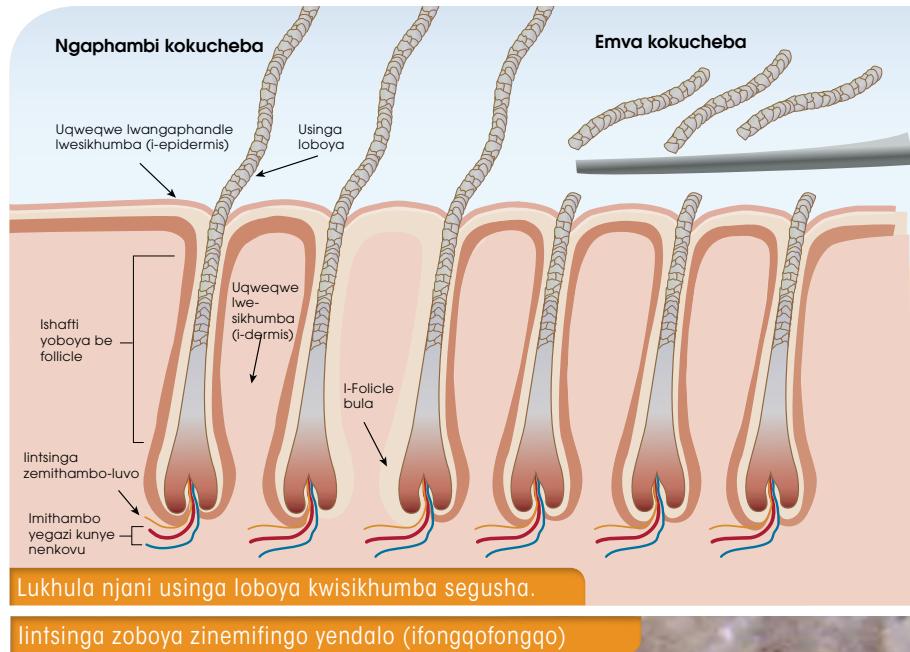
Amafutha endalo eboyeni (amafutha oboa begusha) aleka usinga ngalunye kwaye anceda ukugquma uboya begusha.

Ngamafutha oboa begusha enza ukuba uboya bubenoxhathiso emanzini.

Oku kunceda ukugcina igusha ifudumele kwixesha lemozulu ebandayo kwaye yomile xa kumanzi.

Lintsinga zoboya zenziwe yi **protini**, enobuninzi obuncinane bamafutha, **ikhalsyam** kune ne **sodiyam**.

Njengokuba uboya bukhula buphuma kwisikhumba segusha, buyakheka ngokwendalo ukuba bubengamaqela eentsinga ezibizwa ngokuba ziintsinga. **Lintsinga** zoboya azolutekanga: zikhula zinemifingo yendalo (ifongqofongqo), into enika uboya ukutwabuluka kwazo (ukubasispringi).



WOW UBOYA

Uboa bukhula malunga ne 6mm enyangeni. Ubudala beminyaka, impilo kune nemozulu zingacothisa ukukhula, okanye zikhawulezise ukuqheleka kokukhula kwasihlwirtha.

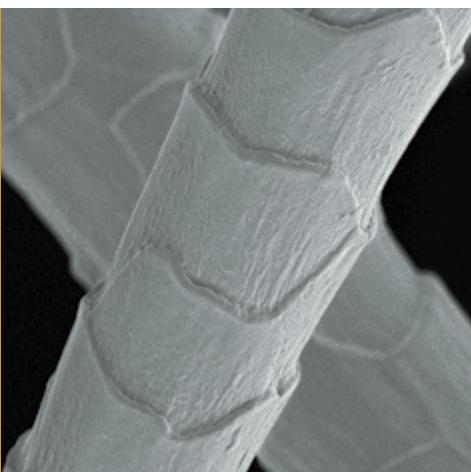
BUKHANGELEKA NJANI UBOYA?

Uboa obuveliswa kwiindawo ezininzi zoMzantsi Afrika ngumbala obukhrimu-mhlophe.

Njengokuba uboya bukhula, iziphelo zangaphandle zeentsinga ngokucacileyo zibamda. Ngethamsanqa uboya obukufuphi esikhumbeni buhlala buqaqambile kwaye bumhlophe, okanye bubukhrimu.

Xa **uboya begusha** obude bohlukaniswa ngocoselelo ukuveza amaqela eentsinga (abizwa ngokuba ziintsinga) imifingo (ifongqofongqo) yeentsinga ibonakala ngokucacileyo.

Ezinye iigusha zikhula uboya ngokushiyana kwemibala emdaka kune nomnyama.



Ngaphantsi kwesibonakhulu uboya bukhangeleka buneenkwané



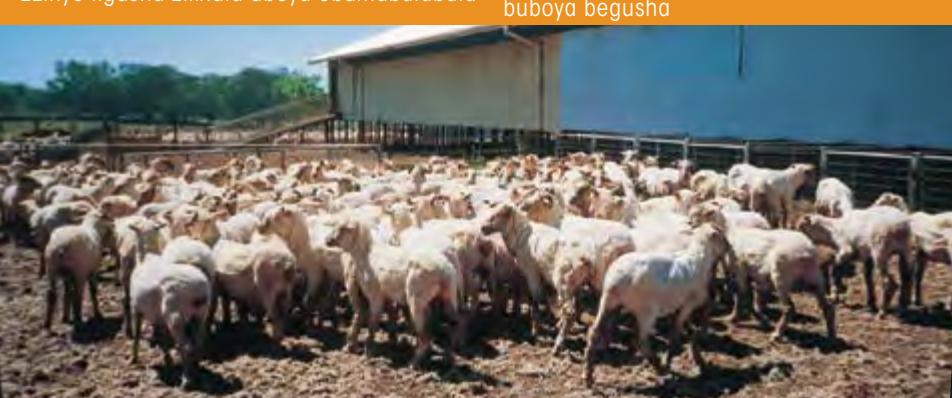
lintsinga zoboya zenza amaqela abizwa ngokuba ziintsinga



Ezinye iigusha zikhula uboya obumabalabala



Uboa obususwe egusheni bubizwa ngokuba buboya begusha



Uboa buyakhula kwakhona emva kokuchetywa

WOW UBOYA



Ubuphakathi i-Merino wether ingavelisa ukuya kutsho kwi 4,5 kg yoboya ngonyaka ngamnye.



IMVELAPHI

Buvela phi uboya?	p 10
Kuphi eMzantsi Afrika apho sifumana khona iigusha?	p 10
Yintoni i-A B C yomhlambi weegusha?	p 11
Zeziphi iinzala ezahlukeneyo zegusha ezingavelisa uboya?	p 12
Zitya ntoni iigusha?	p 15
Zizala njani iigusha?	p 17
Ingaba iigusha ziyakufumana ukugula kananjalo?	p 20
Zeziphi ezinye izilwanyana ezivelisa usinga?	p 23

UMVELISI

Zafika njani iigusha zokuqala eMzantsi Afrika?	p 24
Yayingobani abantu bokuqala boMzantsi Afrika ababengabavelisi boboya?	p 25
Ngubani ovelisa uboya eMzantsi Afrika ngoku?	p 26
Buveliswa njani uboya?	p 28
Abavelisi boboya bakulawula njani ukutyisa emadlelwensi?	p 29
Kutheni ukufuywa kweegusha kubalulekile kubavelisi?	p 31
Abavelisi boboya bazigcina njani iigusha zabo zisempilweni?	p 33
Kwenzeka ntoni xa igusha ichetyiwe?	p 35
Yintoni eyona nto yokugqibela kumphambili wobugcisa bokucheba?	p 36
Yintoni intlalontle yezilwanyana?	p 40
Yeyiphi eminye imisebenzi eyenziwa ngabavelisi boboya kwifama zabo?	p 41
Izinja ezincedisa ukwalusa iigusha zibanceda njani abavelisi boboya?	p 42
Yintoni ukhuseleko lwasefama?	p 44
Benza ntoni abantwana kwiindawo zoboya?	p 45

SEBENZISA LETSHATHI
IQUKUQELAYO UKUFUMANA
INDELELA YAKHO ENCWADINI



IMVELISO

Abavelisi babuthengisa njani uboya babo?	p 46
Ngubani othenga uboya boMzantsi Afrika?	p 46
Kutheni ukwakhiwa koboya kanye nekhwalithi zibalulekile?	p 47
Bulungiswa njani uboya ukuba bubengu msonto?	p 51
Busetyenziselwa ntoni uboya?	p 53
Uphando kanye nophuhliso zizophucule njani iimveliso zoboya?	p 56
Ngubani osebenza kushishino loboya?	p 57

UMTHENGI

Kutheni uboya bubalulekile?	p 58
Lwahluke njani usinga Iwendalo kanye nosinga oludityanisiweyo?	p 59
Ungazithenga phi iimveliso zoboya?	p 60
Uzikhathalela njani iimveliso zoboya?	p 61
Ungenxa ntoni ngoboya?	p 62
Yeyiphi indima edlawe boboya kwimbali kanye nenkcubeko?	p 66
Zintoni izinto eziyinyani ezithile ezinomdla ngoboya?	p 66

UMMANDLA

Ingaba ukuveliswa koboya kuyawuchaphazel ummandla?	p 70
Yintoni ukhukuliseko lomhlaba kwaye lulawulwa njani?	p 73
Abalungisi boboya bayilawula njani inkunkuma?	p 74
Imozulu ikuchaphazel njani ukuveliswa koboya?	p 77

KWAYE UKUBA AWULIQONDI IGAMA
LIKHANGELE KULUHLU LWEENKCAZELO
ELIKWIPHEPHA LAMA-80

KWAYE, KUKHO ISALATHISO
KWIPHEPHA LAMA-82



BUVELA PHI UBOYA?

Uboa bukhula egusheni, esinye sezilwanyana zokuqala ukuba **ziqhelaniswe nomsebenzi wasekhaya**. Abantu eNtshona Asia bagcina iigusha njengakude kwiminyaka engama-12 000 eyadlulayo, kodwa okuphambili ikokwe nyama kanye nobisi. Ezizilwanyana zazikhangeleka kakhulu njengee bhokhwe kuneegusha. Zazibonakala zinesihlwitha esikhulu kwaye zinoboya obuncinane kuneenzala zegusha esizaziyo namhlanje. Kwisithuba samaxesha abantu bakhetha ezona gusha zifanelekileyo ukuba bazifuye. Lomkhetha wakhokelela kwikhwalithi yoboya eninzi kanye nebhetele. Njengonobangela, imfuyo efana ne Merino yalamaxesha ivelisa ubuninzi obukhulu boboya bekhwalithi ephezulu.

Namphina umntu angaba ngumfama weegusha. E-Mzantsi Afrika amafama oboya ayohlukana ukusuka kumafama amancinane ukuya kutsho kumafama amakhulu **orhwebo**. Uninzi lweefama zorhwebo zeentsapho ziqhuba **imihlambi** yesinye ukuya kwisibini samawaka eegusha, kodwa kukwakho abavelisi abakhulu kakhulu abaneegusha ezinanzi kakhulu.

Abavelisi boboya benza ingeniso esuka ekuthengisweni kwazo zombini uboya

kunye nenyama. Kumanye amazwe iigusha ziyasengwa ukwenza itshizi, kodwa oku kunqabile eMzantsi Afrika.

Uninzi loboya obuveliswa eMzantsi Afrika buveliswa zigusha zoludwe olukhululekileyo ekutyiseni emadlelwensi kwendalo nokuba lithafa lengca (grassveld), ithafa lase Karoo (Karoo veld) okanye ukudibana kwazo zombini. lifama zoboya zikwindawo esuka kwi Karoo eyinkqantosi engaggibebelelanga ukuya kwithafa lengca leendawo zobuninzi bemvula ngexesha lasehlotyeni. Kwindawo yobuninzi bemvula ngexesha lasebusika (ummandla wonxweme we Ntshona Koloni) iigusha zifuywa kumadlelo okulima nakwii ntsalela zesilimo.

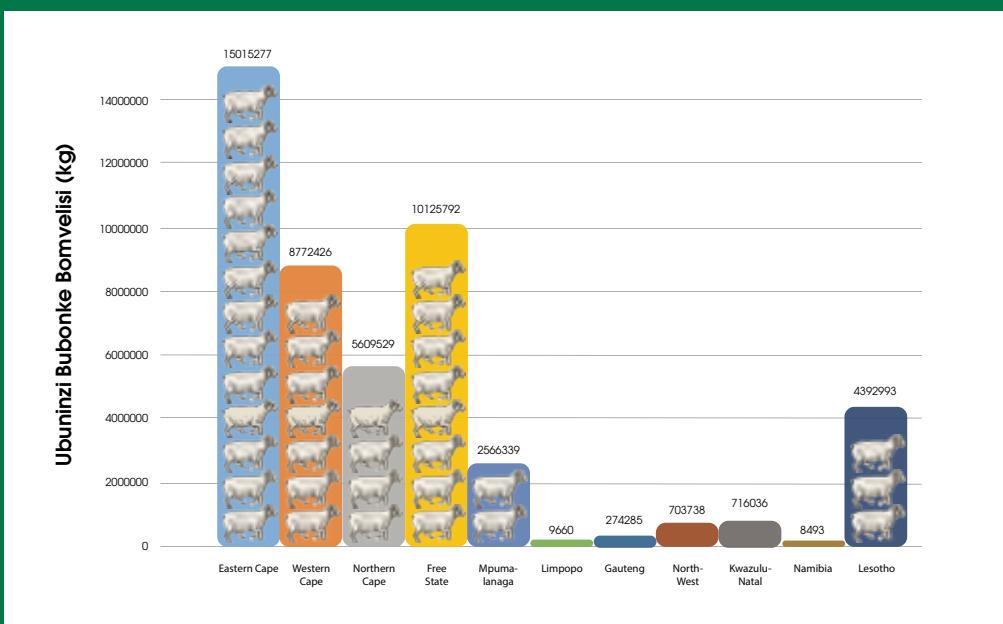


INGQOKELELO YAMANANI EEGUSHA

U-Mzantsi Afrika unamalunga nama-22 ezigidzi zeegusha, apho malunga ne 70% ziigusha ezinoboya. Ukungephi uninzi lwezi zii Merinos. I-Merino yinzala yeegusha. Ezinye iimfuyo zoMantsi Afrika ziquka i-Merino eyi Nyama yegusha yoMzantsi Afrika, i-Dohne Merino, i-Afrino kanye ne Dormer.

KUPHI EMZANTSXI AFRIKA APHO SIFUMANA KHONA IIGUSHA?

Iigusha zifunyanwa kwilizwe lonke. Intshona Koloni inelona nani liphakamileyo leegusha, ilandelwe yi Free State, Intshona Koloni kanye nomNtla Koloni. Ubuninzi obufanelekileyo beegusha bukwafunyanwa e-Mpumalanga. Igrifu engezantsi ibonisa ukuveliswa koboya kwiphondo ngalinye.





linkunzi zeegusha Ezindala

I-ABC YOMHLAMBI WEE GUSHA

Amagama ahlukeneyo achaza iigusha zezini ezahlukeneyo kanye nobudala beminyaka. Ukuveliswa koboya kuthembele kakhulu kwiigusha ezindala, kodwa iigusha ezincinane kanye nempahla efuyiweyo zenza inxenyen ebaluleke ngokulinganayo yo mhlambi kwiindawo ezininzi zokuvelisa uboya.

Amatakane – ligusha ezincinane (inkunzi kanye nemazi) ezingaphantsi kweenyanga ezi-6 zobudala beminyaka. Amatakane asaxhomekeke koomama bazo ngokutya.

Imikhumiwa – ligusha ezincinane (inkunzi kanye nemazi) ezisanduluku suswa koomama bazo ukuze zitye emadlelwani. Xa ubisi lukamama lungekho intusa ekukuphela kwayo yokutya kukutya emadlelwani.

I-Hoggets – limazi kanye neenkunzi zeegusha ezingekabindala. Zindala kunemikhumiwa kodwa ayizogusha ezindala ezikhule ngokugqibeleyo..

Limazi zeegusha – limazi ezindala ezingafuya kwaye zivelise uboya.

Linkunzi zeegusha – linkunzi ezindala ezingathenwanga kwaye zisetyenziselwa ukufuywa.

Linkabi zeegusha – linkunzi ezindala ezitheniweyo ukuze zingabinako ukufuywa. Zisetyenziselwa ukuveliswa koboya.



U-Lucky

IIGUSHA ZIKA SCHUCKS!



U-Lucky wayeyeyona gusha indala ehlabathini. U-Lucky wanikezela kwiziphumo zexesha elide lobushushu obugqithileyo e-Australia kwaye wabhubha ngoxolo emva kokugula okufutshane ngo Novemba 2009. Wayeneminyaka engama-29, ngokuphindwe kabini kulindeleko lobomi begusha. Irehodi yangaphambili yobomi obude yayibanjwe ngu George, inkabi yegusha ye Merino, ekwasuka e-Australia. U-George wabhubha elele ngo 2006. Wayeneminyaka engama-21. Bobabini u-Lucky kanye no George babegcinwe njengezilo-qabane yi Guinness World Records ngokuba vezona zigusha ezindala eziphilayo.

UKUFUYWA KWEE GUSHA

Ukufuywa kwee gusha eMzantsi Afrika kulungele imimmandla yokuvelisa kwaye ezimfuyo zahlukeneyo zizalisekisa iimfuno ezahlukeneyo zabantu. Iimfuyo ezahlukeneyo zinikezela nokuba lusinga okanye inyama.

Zonke iimfuyo zoboya ezizodwa zikwavelisa ingeniso evela ekuthengisweni kwenyama.

Masithathe njengo mzekelo iimfuyo ezimbini, njenge Merino eyi Nyama yegusha yoMzantsi Afrika kune ne Suffolk. Iimfuyo ye Nyama yegusha yoMzantsi Afrika ivelisa uboya bodidi oluphakathi, obusetyenziselwa ukwenza iimpahla kune neempahla ezilukiweyo. I-Suffolk inikezela ngoboya oburhabaxa, obukwabizwa ngokuba buboya bekaphethi.

I-MERINO

E-Mzantsi Afrika malunga nesithathu sezahlulo zezine zabemmi beegusha ziigusha zoboya kwaye uninzi olukhulukazi Iwezi zii Merino, okanye iinzala ezifunyanwe kwi Merino.

Ibali lendlela ii-Merino zokuqala ezahlala ngazo eMzantsi Afrika (ilizwe lokuqala ngaphandle kwe Yurophu ukufumana ii-Merino) livusa umxhelo kakhulu.

Imfuyo yeegusha zokuqala eMzantsi Afrika yayizigusha zemveli ezinomsila otyebileyo efana ne Namaqua. Kwi 16 yenkulungwane yeminyaka iigusha zase Namaqua zachazwa ngumhambi ngenqanawa ukuya eKoloni njenge "nkulu kakhulu enenyama efaneleke kakhulu. Azinawo uboya kwimiqolo yazo kwaye zinemisila emikhulu".

Ezinye zezigusha zemveli zathunyelwa ngenqanawa e-Australia ngo 1788 ukubonelela ngenyama abemmi bokuqala belizwe lase Australia.

Yintoni i-species kwaye yintoni inzala?

II-SPECIES: Iqela lezilwanyana (okanye iintyatyambo) ezinee mpawu ezifanayo. Ziyazeka (ziyandisa, kwisimo seentyatyambo) ukuvelisa inzala etyebileyo. ligusha zii species.

INZALA: Iqela phakathi kwii species elinomlibo ofanayo. Zinghlulwa ukusuka kwamanye amaqela phakathi kwezo species. Ngomzekelo, i-Merino kune ne Border Leicester ziinzala zeegusha ezimbini ezahlukeneyo.



limazi zeegusha ze Merino



Umalusi ongu Sassy

Inkwenkwana engumalusi yase Griqua yachola idayimani enku kakhulu (enomlinganiselo wobunzima obuyi-46,69) kwisithili sase Kimberley ngo 1869. Yayithengisa kumfama wasekuhlaleni ngeegusha ezingama-500, iinkomo ezili-10, kunye nehashi eli-1. Ngeloxesha yayiyeyona dayimani inkulu eyakhe yafunyanwa eMzantsi Afrika kwaye yaye yaziwa ngokuba yi Nkwenkwezi yoMzantsi Afrika. Yatshintsha izandla amaxesha amaninzi ukusukela ngoko. Ngo 1974 yathengiswa kwi fandes e-Switzerland nge 1.6 yezigidi ze Swiss Francs (ngaphezulu kwe 17 yezigidi zeeranti).



INZOLO YEEGUSHHA



Kumakhulu eminyaka eyadlulayo i-Spain yabamba ukuxhamla-yodwa kobona boyabucolekileyo ehlabathini. Abazange bavumele naziphina ii-Merino zabo zase Spain ukubazishiye i-Spain de kubesemva koo 1700!

UBUNZIMA BOBOYA

Ii-Merino zokuqala zavelisa malunga ne 1.5 kg yoboya ngoboya begusha ngabunye. **UkuFuya okukhethayo** kwavelisa iigusha ezingakhulisa uboya begusha obungaphezulu kwe 8 kg.

EZINYE IINZALA ZOBOYA

Ubuninzi beenzala ezintsha – apho i-Dohne Merino iyeyona ibalulekileyo – baveliswa eMzantsi Afrika. Ingaba yayikhona into engalunganga ngeenzala ezikhoyo? Hayi, azizange ziwufanele nje ummandla wethu wokuvelisa.

I-Dohne Merino yadalwa ngokuzekisa iinkunzi zegusha ze Merino eyi Nyama yegusha yoMzantsi Afrika kune neemazi zegusha ze Merino. Isiphumo yabayinzala eneenjongo ezimbini eyabanako ukuvelisa zombini uboya kune nyenama. Yaveliswa okokuqala kwi Fama Yophando ka Dohne kufuphi ne Cumakala eMpuma Koloni, ngokukodwa ngethafa lengca lalo mmandla. Lommandla unomyinge ophezulu wokuthwala kunezityalo ze Karoo. Namhlanje i-Dohne Merino inwenwe ngokubanzi eMzantsi Afrika kwaye ikwathunyelwa e-Australia.

I-Afrino yaveliswa kwi Fama Yokulinga ka Carnarvon e-Karoo. Injongo yayikuvvelisa uboya kune nyenama kwimimmandla eyinkqantosi engaggibevelanga. Idibanisa imveliso yoboya esuka kwii Merino kune nemveliso yenama yegusha esuka kwii Merino eyi Nyama yegusha yoMzantsi Afrika kune nokuqina kwe Ronderib Afrikaner. I-Ronderib Afrikaner isuka kwiigusha zemveli



I-Merino eyi Nyama yegusha yoMzantsi Afrika

I-Dohne Merino



ezazigcinwe ngabelusi bama Khoi.

I-Merino eyi Nyama yegusha yoMzantsi Afrika yangeniswa elizweni okokuqala ukusuka eJamani njenge Merino eyi Nyama yegusha yase Jamani. E-Mzantsi Afrika yavelisa ukwazisa okwahlekileyo njenge nzala yenyama ekwavelisa uboya behkwalithi entle. Ngenxa yoko yaphindwa yaqanjiwa ukuba yi Merino eyi Nyama yegusha yoMzantsi Afrika.

I-Dormer yaveliswa kwi Kholeji Yezolimo e-Elsenburg ngaphandle kwase Stellenbosch eNtshona Koloni ngokwenza ibhastile lenzala ye British Dorset Horn kune ne Merino eyi Nyama yegusha yoMzantsi Afrika. (Ingaba uyayibona indlela amagama eenzala ezimbini adityaniswe ngawo ukwenza igama elitsha?) Iyinzala edumileyo kumadlelo asebusika kwindawo yobuninzi bemvula ngexesha lasebusika.



INZULULWAZI YOBUGUSHA!

Ukudala inzala entsha, isibini okanye isithathu seenzala ezikhoyo zenziwa ibhastile. Umkhethet weempawu ezinqwenelekayo wenziwa kwinzala nangasemva kwezizukulwana ezimbalwa zomkhethu kune nokuzeka, unenzala entsha. Inzala entsha iyahluka ukusuka kwiinzala zokuqala. Ivelisa iimpawu zayo kwinzala yayo.



I-Dormer



ligusha zitya iintyatyambo ezifana nengca, izityalo ezinemidumba, isikhatha, ifula yesisele kunye neenkozo

ZITYA NTONI IIGUSHA?

ligusha zizitya-tyani. Oku kuthetha ukuba zitya kuphela iintyatyambo. Isondlo sazo siqulathe iingca, imithana, izityalo **ezinemidumba, isikhatha, ifula yesisele** kunye neenkozo. Ziyathanda **ukutya emadlelweni** iintyatyambo ezincinane kunye nezi ethe-ethe, kodwa zikwatya ingca eyomileyo kunye nesikhatha.

Njengazo zonke izilwanyana iigusha zisebenzisa ukutya kwazo njenge ntsusa yezondlo ukuzinceda ekukhuleni nasekuhlaleni zisempilweni. Zichitha malunga neeyure ezsixhenxe ngosuku zisitya emadlelweni. Oku zikwenza kakhulu ngaphambi kwexesha lasekuseni nangaphambi kwexesha langokuhlwa xa kupholile naxa kusekho ukukhanya.

Ukuba ikhwalithi yokutya okufumanekayo ayikho phezulu kakhulu, zingachitha ukuya kutsho kwiilyure ezilishumi elinambini ngosuku zisitya emadlelweni kwaye zihamba iikilomitha ezininzi.

Xa ukutya okuninzi kungekho enkampini, amafama agalela ukutya okongezekileyo. Oku kungaba sisikhatha, iinkozo okanye imixube yokutya okulungisiweyo elungiselwelwe ngokukodwa ukuhlangabezana nezinto ezifunekayo zesondlo seegusha.

AMANZI

Njengabantu iigusha zifuna ukutya kwakunye namanzi ukuze ziphile. Zingasela ukuya kutsho kwiilitha ezi-6 ngosuku. Udidi lwedlelo kunye nokutya ezikutyayo, ubukhulu bazo, ixesha lonyaka (ihlobo okanye ubusika) kunye neemeko zemozulu ziphembelela ukuselwa kwamanzi azo.

UBUDE KUNYE NOBUFUTSHANE BAYO

ligusha zikhetha ukutya ingca emfutshane, kunengca ende (umlinganiselo). Ziphumetela kwidlelo elifutshane kune 80 – 100 mm.



ligusha zifuna amanzi amaninzi ukuze ziphile

ligusha zingahamba iiyure ezininzi zisitya ukutya emadlelweni



Ngamanye amaxesha iigusha zifuna ukunikwa ukutya okongezekileyo



UKWETYISA

ligusha zizetyisi. Oku kuthetha ukuba zinezisu ezine kunye nometyiso wokuhlafuna. Isusu ngasinye sinomsebenzi owahlukeneyo ngexesha lokwetyiswa kokutya.

Xa iigusha zisemadlelweni zitya ngokukhawuleza. Zihlafuna ukutya kwazo kancinane, zikuxube namathe, emva koko zikuginyele kulusu lwazo (isisu sokuqala). Ulusu lufana nebhegi yokugcina. Luqlathe iincindi zokwetyisa kunye nezigidi zee **microbes** eziqalisa ukucola ukutya.

Lenkubo ivelisa igesi eninzi. ligusha ziyanabodla ukuyisusa. Ukubhodla (ukukhulula ilgesi ezingafunekiyo) kuyithintela ukuba **Idumbe**, kunye nokuba ife mhlawumbi. (Xa umama wakho ekuxelela ukuba ungabhodli etafileni, ukufundisa nje ukuziphatha kakuhle. Awuyiyo igusha kwaye soze wonzakale!)

Malunga neyure emva kokutya, izihlunu kulusu zityhalo ukutya ukuba kubuyele emlonyeni ukuba kuhlfanwe kwakhona njengometyiso. ligusha soloko zihlafuna **umetyiso** wazo xa ziphumlile kwaye zingatyi emadlelweni.

Zihlafuna umetyiso wazo ukucola ukutya kwakhona, emva koko zikuginye okwesibini. Ukutya okunyukayo ukusuka ezantsi kuggithela kwi nxili (isisu sesibini), egcina ulwelo, emva koko ukuya kutsho kwi omasum (isisu sesithathu) apho imigobo yezihlunu ibamba ukutya kwaye ikucudise ukuze isuse ulwelo.

Emva koko ukutya kuhambela kwi abomasum (isisu sesine). Apha iyaxutywa kwaye izanyazanyiswe kunye neencindi zokwetyisa.

Emva koko igqithiselwa **kwithumbu** apho izondlo zifunzelwa kuqukuqelo lwegazi. Inkunkuma ikhutshelwa ngendlela yethumbu.

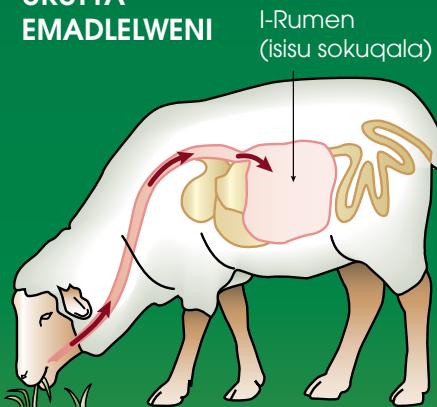
INTO EYINYANISO ENOMNTSALANE

ligusha ayizizo kuphela izetyisi. linkomo, iibhokhwe, iindlulamthi, ibhadi, iqdu, i-steenbok kunye nempofu zikwa zizetyisi.

Izetyisi zitya **iintsholongwane** eziguqula imathiriyeli yentyatyambo ephezulu ngoko singa, ezingena kwetyiswa ngabantu, ukuba zibeiimveliso ezisebenzisekayo ezinjenge nyama kunye noboya. Ngaphandle kwee gusha kunye neenkomu malunga nethoba seshumi loMzantsi Afrika luzakusebenziseka kuphela ukuzonwabiso okanye imfuyo yeenyamakazi.

Ungangabiyo igusha kodwa usenako "ukwetyisa" kananjalo. Xa "usetyisa" u "hlafuna" into engqondweni yakho kwaye ucinga nzulu ngayo, mhlawumbi kangange xesha lesibini, elesithathu okanye elesine. Kwixesha eliandelayo xa umtu ekububuza umbuzo oliqhinga ungdalala okwexeshana ngokuphendula uthi, "Okokuqala kuzakufuneka ndetyise kulo nto..."

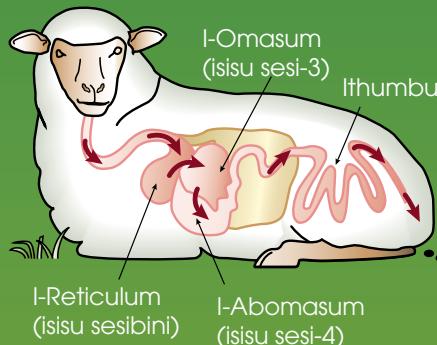
UKUTYA EMADLELWENI



UMETYISO WOKUHLAFUNA



UKWETYISA KOKUGQIBELA



UKUZALA

Ukuzala yinkubo apho izilwanyana zivelisa inzala. linkunzi zegusha zidityaniswa (zizekiswa kunye nee) mazi zegusha ukuvelisa amatakanne.

Amadlozi enkunzi yegusha agqithiselwa kummandla wokuzala kwemazi yegusha kwaye kuchumise iqanda ukusuka **kwisiyilelo-maqanda** semazi yegusha. Ngenxa yoko **into engekazalwa** iyenzeka kwisibeleko semazi yegusha kwaye ikhule de itakane elidaleke ngokupheleleyo lizalwe.

Njengazo zonke **izidalwa ezanyisayo** amatakanne asanduluku zalwa asela



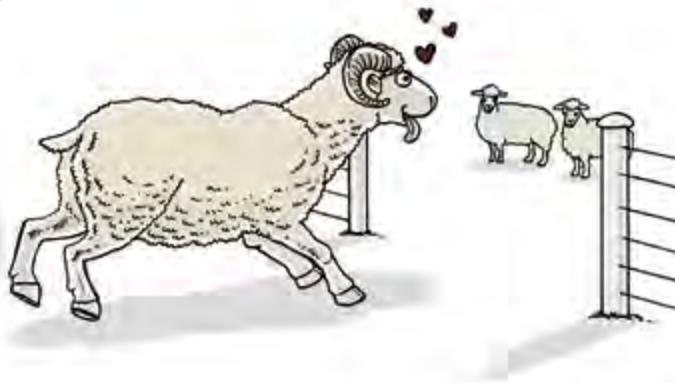
UBUKHO BE NKUZI YEGUSHÀ

linkunzi zeegusha zidityaniswa kunye neemazi zeegusha malunga neeveki ezi 5 - 8 zonyaka. Uninzi Iwamaxhesha zigcinwa kwiinkampu ezahlukeneyo.



limazi zeegusha zikunye namatakanne

ubisi olusuka koomama bazo. Amatakanne aqalisa ukutya eddelweni phakathi kwiiveki ezimbalwa emva kokuzalwa. Ziya **khumlwa** phakathi kweenyanga ezintathu kunye nezintlanu.



limazi zegusha ze Merino zikhulelwa kangangee nyanga ezintlanu

limazi zegusha kunye nenkunzi yegusha



ZIQALISA NINI

IIGUSHÀ UKUZALA?

Ubudala beminyaka bokuzala buxhomekeke kwinzala. Imazi yegusha ye Merino ingakhulelwa xa imalunga neenyanga ezsishenxe ubudala, nangona abavelisi abaninzi bakhetha ukulinda de iimazi zeegusha zibenee nyanga ezilishumi elinesibhozo ubudala ngaphambi kokuzidibania kunye neenkunzi zeegusha.

linkunzi zeegusha aqiqhelekanga ukuba zihlaliswe kunye neemazi zeegusha de zibamalunga neenyanga ezilishumi nantlanu okanye ngaphezulu. Ngokwesiqhelo inkunzi yegusha encinane ihlaliswa kunye neemazi zeegusha ezindala kwaye inkunzi yegusha endala ihlaliswa kunye neemazi zeegusha ezincinane.

limazi zeegusha kufuneka zibesempilweni kwaye zibe nesondlo esaneleyo ngexesha lokukhulelwa kwazo ukuze zivelise amatakanne asempilweni.

LINGAKANANI IXESHA LOKUKHULELWA KWEMAZI YEGUSHA?

Ixesha lokumitha (ixesha elisuka ekuzeke ni de itakane lizalwe) kwiimazi zeegusha ziinyanga ezintlanu, okanye malunga ne-150 yeentsuku.

Imazi zeegusha zinetakane elinye kunyaka ngamnye kwaye zingaqhubeka ukubanamatatakane de zibenesihlanu okanye isithandathu seminyaka ubudala.



INDLELA YOKUXELA UBUDALA BEMINYAKA BEGUSHA

Amazinyo anceda ukuggiba ngobudala beminyaka begusha. Igusha zinamazinyo angaphambili kuphela kumhlathi wazo ongezantsi.

Itakane lineziluma ezisibhozo ezincinane (ukusika) amazinyo abizwa ngokuba "ngamazinyo obisi". Ezi zithathelwa indawo ngamazinyo amakhulu nasisigxina njengokuba itakane libalidala.

Okokuqala amabini phakathi ayavela kwaye emva kwexesha amazinyo kwicala ngalinye. Lenqubo iyaqhube ka de igusha ibemalunga neminyaka emithathu ubudala. Ukuza kutsho ngoku ineziluma ezisibhozo ezinkulu.

Ngaphambi kokuba umlomo ugcwale (zibendala), igusha zisoloko zibhekiselelwa kwinani lamazinyo asisigxina ezinawo. Umzekelo, amazinyo amabini, amazinyo amane okanye amazinyo amathandathu.

Igusha endala ikwanamazinyo omhlathi angama-24. Amazinyo omhlathi anceda ekuhlfuneni. La asemva komhlathi enesithandathu kwicala ngalinye kuzo zombini umphezulu kune nomzantsi.





KWENZEKA NTONI XA ITAKANE LIZELWE?

Imazi zeegusha ziyazi xa zizakuba netakane kwaye zisoloko zifuna indawo yokuhlala enkampini ekude kwezinye iimazi zeegusha ezikhulelwego ukuze zizale.

Amatakane angema kwaye ahambe msinyane emva kokuzala. Ngoko nangoko xa itakane lingakwazi ukuma lizakufuna imibele kamama walo kwaye lincane okokuqala.

Ubisi lokuqala eliveliswa yimazi yegusha kwitakane lalo libizwa ngokuba yi colostrum. Kubalulekile ukuba itakane lifumane oku kuba iqulathe **izilwa-buhlungu ezsiegazini** ezinceda ekukhuseleni itakane kwisifo. Imazi yegusha iyivelisa kangangee ntsuku ezintathu zokuqala emva kokuzala.

Kwimizuzu embalwa yokuqala emva kokuzala imazi yegusha incamathele na netakane layo (okanye amatakane ukuba inangaphezulu kwetakane elinye). Oku kuqinisekisa ukuba itakane lihlala kufuphi nemazi yegusha ukuze lifumane ukutya kunye nokhuseleko. Imazi yegusha kunqabile ukuba yamkele itakane lenye imazi yegusha.

Imazi yegusha nganye ifunda ivumba ngalinye kunye nesandi se takane lalo. Kumhlambi omkhulu, amatakane angabhadulela kude koomama bazo kwaye adlale kodwa imazi yegusha nganye izakulifumana itakane layo ngokuqaphela ivumba lalo elithile kunye nesandi. Amatakane ahlala noomama bawo de ayeke ukuncanca kuye kwaye afumane zonke **izondio** zawo ekutyeni ingca nokuya edlelweni. Oku kuqheleke ukuba phakathi kwasithathu kunye nesihlanu seenyanga ubudala.



Amatakane ayema kwaye ahambe kwimizuzu yokuqala kwawa



INGABA IIGUSHA ZIYAKUFUMANA UKUGULA KANANJALO?

Iigusha azinako ukuvvelisa ubuninzi boboya bekhwalithi entle kunye nenyama ukuba azikho mpilweni kwaye azityiswa ngokufanelekileyo – amazinyo azo ngenxa yoko abalulekile kakhulu. Iigusha, njengezinye izilwanyana, iintaka kunye nabantu zithambekele kwiintlobontlobo zezifo ezixhalabisayo nakwiimeko zesifo.

Ezi zibangelwa:

- zii **pathogens** ezinjengee **ntsholongwane**, ibhaktheriya, i-protozoa kunye nomngundo
- iiintyatyambo ezinetyhefu
- **izidleleleli** zangaphakathi kunye nangaphandle ezifana neentshulube, intwala kunye namakhalane.

Amafama alandela **ukugonywa**

okungqongqo, iinkqubo zokunika ithamo leyeza kunye nezediphu kunya wonke ukuthintela isifo kunye neemeko ezingenampilo. Ukuba bagcina impilo entle ezigusheni zabo bayaqinisekisa ngokona kulunga kwemveliso kunye nokuzala.

Amafama akwaqinisekisa ukuba iigusha azivezeki kwiintyatyambo ezithile ngamaxhesha athile onyaka.

Ezintyatyambo ziureka ezo zinetyhefu ezigusheni, njenge ntyatyambo yokugula kokugabha (*Geigeria filifolia*). Ibangela ukugula kokugabha, nje okubizwa ngokuba yi “vermeersiekte”. Iimpawu zokuqala zokugula zibonakala iintsuku ezimbalwa emva kokutya i-Geigeria emadlelwensi. Iigusha ezichaphazelekileyo zisalela emva kumhlambi, zidinwa lula, zihamba nzima kwaye zilala phantsi rhoqo. Ekugqibeleni zibabu thathaka kakhulu ukuba



I-Bruzellosis



zizixhase. Ukushwabana (ukoma kwelungu lomzimba) kuyaqalisa.

Enye intyatyambo abavelisi boboya abayithatha njenge sitshabalalisi yi burweed. (*i-Xanthium spinosum*). limbewu ze Burweed zincamatela eboyeni begusha. limbewu ziqine kakhulu zibangela umonakalo koomatshini abalungisayo kwaye ngenxa yoko kufuneka ukuba zisuswe ngesandla. Abathengi abanambla kuboya begusha obungcoliswe ziimbewu ze burweed.

Amafama asebenza kufuphi kakhulu neziye iincutshe kunye nemibutho ngokunxulumene nolawulo kunye nentlalo-ntle yeegusha zabo. Aba baquka abalondolozindalo, oogqirha bezilwanyana kunye neencutshe zezondlo



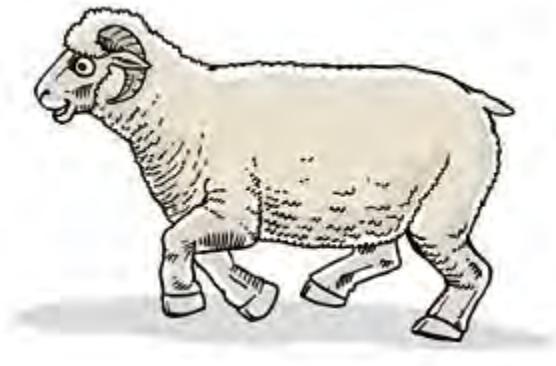
I-Bluetongue



"i-Jaagsiekte"



Izidleleleli zangaphakathi



IZIFO EZISULELAYO

Izifo ezisulelayo zibangelwa ziintsholongwane kunye ne bhaktheriya ethi inwenwe ukusuka kwesinye isilwanyana ukuya kwesinye. Izifo ezisulelayo ezifana nesifo seempuphu ezigusheni kunye ne brucellosis zingabangela ilahleko kumfama ngamnye. Isifo esinjenge cesina yentlango yokuqhaqheka komhlaba sisenokukhokelela ekuvalweni korhwebo **lokuthumela uboya kwamanye amazwe**. Amafama alwa izifo ezisulelayo ngeenkqubo zokugonya ezingqongqo ezichasene nogrogriso kwimimmandla yabo ethile.

IZIFO EZINGASULELIYO

Izifo ezingasuleliyo zingabangelwa sisondlo esikumgangatho ophantsi, **iimpazamiso zemvelo**, iityhefu, **iimpazamiso zenguquilo yokutya emzimbeni** okanye ulawulo lomgangatho ophantsi. Ezi ndidi zezifo azinako ukunwenweleka phakathi kwezilwanyana.



Isifo seempuphu ezigusheni



IZIDLELELELI ZANGAPHAKATHI

Eyona ngxaki yezempilo exhaphakileyo ezigusheni ngokukodwa kumatakane amancinane, zizidleleleli zangaphakathi (iintshulube kanye neentshulubana ezifunyanwa esibindini segusha). Zizalela kumxokomezelo wometyiso wegusha. Ukuba iyekwa inganyangwanga ingakhokelela kwisigulo kanye nokufa.

IZIDLELELELI ZANGAPHANDLE

Izidleleleli zangaphandle eziphambili ezingachaphazela iigusha ziintwala kanye neempukane eziiluhlaza. Lintwala zizinambuzane ezincinane ezimfimfithayo eziphila eboyeni nezitya isikhumba segusha.

Impukane eluhlaza sisidleleleli segusha esixhaphakileyo, ngokukodwa ngexesha leenyanga zobusika. Impukane eziiluhlaza



INTO EYINYANISO ENOMNTSALANE

Ngo 1908 u-Sir Arnold Theiler ongasekhoyo, owayesakuba ngugqirha wezilwanyana wase Switzerland, wabanoncedo ekuqalisweni kwe Onderstepoort Veterinary Institute enodumo kwhihlabathi ekufuphi ne Pitoli. I-Ondersteopoort iqeqesha oogqirha bezilwanyana, abaphandi bezifo zezilwanyana kwaye ivelisa izitofu zoshishino lwemfuyo. Inceda ilizwekazi lonke le Afrika.

Igama elithi "vet" iuhlobo olushunqulelweyo lo "uggirha wezilwanyana". (Kumgaqo-ntetho wesi Ngesi okukushunqulewa kwegama kubizwa ngokuba "sisifinyezo".)

ezingamathokazi zizala ukuya kutsho kumaqanda angamakhulu amabini ngexesha eboyeni, kudla ngokuba yindawo engaonge amazantsi egusha. Imibungu eqanduselayo (iimpethu) zitya kwisikhumba segusha kwaye zibangele amanxeba avulekileyo. Oku kungakhokelela ekubhubheni kwegusha esulelekileyo.

EZINYE IZILWANYANA EZIVELISA USINGA

Iligusha ayikukuphela kwezilwanyana ezifuyelwa usinga lwazo.

I-alpacas (i-species sase Mazantsi eMelika esiqhelaniswe nomsebenzi wasekhaya esinxulumene nenkamela), iibhokhwe, imivundla kune imibungu yesilika ikwavelisa usinga.

I-alpacas ivelisa usinga olufana noboya. Ithambile, yomelele kwaye ifudumele. Isetyenziselwa ukwenza izinto ezinithiweyo nezilukiweyo kuquka iingubo, iiglavu, izikhafu kune nezambatho.

I-mohair isuka kwiibhokhwe ze Angora. Iguga nzima, yomelele kwaye inokusetyenziswa kwizinto ezininzi. I-mohair inosetyenziso Iwezinto ezininzi kuquka impahla kune namalaphu eefanitshala.

Uboa obuthambileyo bebhokhwe obuveta eAsiya. Ithambile kune mohair kwaye inobuncwane kakhulu. Isetyenziszwa kakhulu kwisinxibo esinithiweyo nasempahleni.

Usinga Iwe Angora lusuka kwimivundla ye angora, kwaye ingezizo iibhokhwe ze angora njengokuba ungalindela. Ithambile, kodwa ingatwabuluki. Isetyenziselwa ukwenza impahla kune nokwenza ilaphu loboya obucinezelweyo.

Isilika isuka kumaqombolokosha emibungu yesilika Imibungu yesilika ayiyomibungu kodwa ngokwenyani yimibungu yevivingane lesilika (i-Bombyx mori). Imibungu yesilika ayisafumaneki endle kodwa iqhelaniswe nomsebenzi wasekhaya kwaye ifyelwa usinga lwayo.

Ilinkomo zaseTibet ezinoboya obude, iinkamela, izilwanyana ezifana nentini



Usinga Iwesilwanyana esifana nempuku esihlala emithini

ezakha izindlu emanzini kune nezilwanyana ezifana nempuku esihlala emithini zikwavelisa usinga olungasetyenziswa ngabantu. Uboa benkomo yaseTibet enoboya obude benza iimethi esihlala ixesha elide kune neengxowa. Usinga Iwe silwanyana esifana nentini esakha indlu emanzini lungenziwa ukuba ibelilaphu loboya obucinezelweyo ukwenza umnqwazi kwaye usinga Iwesilwanyana esifana nempuku esihlala emithini lungadityanisa noboya ukwenza impahla efudumeleyo enjengee kawusi.



INTO EYINYANISO YOSINGA

Iintyatyambo ezithile zikwavelisa usinga, rijenge mthaphu kune nelineni. Zibizwa ngokuba ziintsinga zendalo. Ezinye ziintsinga zenziwa ngabantu kwiilebhu. Zibizwa ngokuba ziintsinga ezidityanisiweyo, okanye ziintsinga ezingezizo ezendalo. Usinga olusuka kwiintyatyambo kune nezilwanyana ezinokuboliswa ziintsholongwane. Usinga oludityanisiweyo alunakuboliswa ziintsholongwane.



I-alpaca



Iligusha (uboja obuthambileyo bebhokhwe obuveta eAsiya)



Iibhokhwe ze Angora (i-mohair)



Imivundla yase Angora (i-angora)



Imibungu yesilika (isilika)



Uboa benkomo yaseTibet enoboya obude (imbuphu)



linkunzi zeegusha ze Merino

Ibali lobugusha . . .

- Ilizwe lase Spain lalisaziwa ngoboya balo obucolekileyo be Merino kuMaxesha aPhakathi. Ngaphambhi kwe 18 yenkulungwane yeminyaka ukuthunyelwa kwee Merino ukusuka e-Spain yayilwaphulomthetho olwaluhlwayeka ngokufa. Indlu Yobukhosy yase Spain kune nezinye izidwangube zagada ngekhwele imihlambi yazo.
- Ngexesha loo 1780 u-Kumkani u-Charles IV wase Spain ngesisa wanikezela ngee Merino nezimbalwa ezisuka kumhlambi wakhe njengesipho ku Kumkani u-William wase Netherlands (okwaziwa ngokuba yi Nkosana u-Orange-Nassau).
- Ngokudakumbisayo, imozulu efumileyo yaseHolani ayizange izifanele iigusha. Kodwa ukuzibuyisela kwi Kumkani yase Spain – ndiyabulela, kodwa kungekho ukubulela – yayingenguwo umkhethethe. Omnye umntu weza nombono wokuzithumela eKoloni, njengomfunisel (ilinga). Ngo 1789 iinkunzi zeegusha ezimbini kune neemazi zeegusha ezine zakhweliswa enqanaweni ukuya eKoloni, ngelo xesha yayilawulwa yi Netherlands.



I-Colonel Robert Gordon

- ligusha zagcinwa kwifama karhulumente, i-Groene Kloof (kufuphi ne Darling yanamhlanje eNtshona Koloni). Apha zaba nempumelelo... de imiyalelo yomsindo yafika ukuba zibuyiselwe e-Netherlands. Zazingafanelekanga ukuba zishiye i-Netherlands kwasekuqaleni!
- U-Colonel Robert Gordon, ezazigcinwe phantsi konakekelo lwakhe iigusha eKoloni, wabuyisela inani elifanayo leegusha ezathunyelwa kuye ekuqaleni, kodwa wagcina inzala (amatakane) yazo.

Ushishino loboya loMzantsi Afrika lwaqlisa ngale nzala (amatakane) yee Merino eyathunyelwa ukusuka e-Spain esemZantsi we Yuropu ngendlela edlula e-Netherlands eseNtla we Yuropu ukuya kwincochoyi esemZantsi we Afrika.

IMBALI YOMZANTSİ AFRIKA YEMFUYO YOBÖYA

Ngo 1795, I-Britani yahlasela iKoloni kwaye yathathela kuyo i-Cape Garrison. Ubunkokheli buka Colonel Robert Gordon bagxekwa ngokugqithisileyo kwaye watyholwa ngokuba ngumngatshi. Ngokungabi nathemba, wazibulala. Umhlolokazi wakhe owayequmbile, u-Susanna, wagqiba ukuba alishiye ilizwe kwaye athathe yonke into eyayiyomyeni wakhe. Wathengisa ii-Merino ezingama 26 kwiiinqanawa ezimbini zase Britani ezazigqitha eKoloni zinezibonelelo zase Australia. Eziseleyo ezimbalwa wahamba nazo ukuya eNgilani ekhwele i-Britannia.

I-Merino awazithengisayo yayizezokuqala ezakhe zabakho e-Australia kwaye zazi sisiseko soshishino loboya olwaphumelelayo lwase Australia.

Ngethamsanqa kuMzantsi Afrika, u-Colonel Gordon wathengisa iiMerino ezimbalwa kubahlobo bakhe oobhuti bakwa Van Reenen, u-Sebastiaan Valentyn kune no Jan Gysbert ngaphambi kokufa kwakhe. Oobhuti bakwa Van Reenen bazizekisa iinkunzi zeegusha ze Merino kwiimazi zeegusha zemveli ezazingamakhulu amathathu ezazikhethwe ngesandla. Inzala yamabastile wabo, kune nee Merino ezimbalwa ezazigcinwe ngokuthe qelete njengo mhlambi owahlukanisiwego, yayiziigusha zokuqala ukovelisa uboya ngokomlinganiselo omkhulu eMzantsi Afrika.

Isidwangube u-Charles Somerset, owayeyirhuluneli yase Koloni ukusuka ngo 1814 ukuya kutsho ngo 1826, wayenomdla kakhulu ekufuyeni iigusha. Xa ukuvalwa komlomo kokuthunyelwa kwee Merino kwathi kwasuswa wathenga ii-Merino ezazifuywe ngokumsulwa e-England.



Isidwangube u-Charles Somerset

Ngo 1830 imfuyo yoboya yaqaliswa kakuhle noko eNtshona kune nase Mazantsi eNtshona Koloni. Ukwandiswa okulandelayo kwakuse mpumalanga.

I-Voortrekkers, Abemmi kwilizwe elitsha bee 1820 kune nama Khoi badlala iindima ezibalulekileyo kupphuhliso lwasekuqaleni loshishino loboya. Abemmi kwilizwe elitsha bathenga kwamanye amazwe kwaye baphuhlisa ukuya phambili ii-Merino, ii-Voortrekkers ezsuka eMpuma Koloni zahamba ngeenqwelo ukuya ngaseNtla nemihlambi yabo kwaye phakathi kwishumi leminyaka i-Merino yanwenweleka kuzo zonke iindawo zelizwe. ligusha zemveli zama Khoi (oobhuti bakwa Van Reenen bazekisa iinkunzi zeegusha zabo kwiimazi zeegusha zama Khoi) benza kananjalo igalelo kushishino loboya.

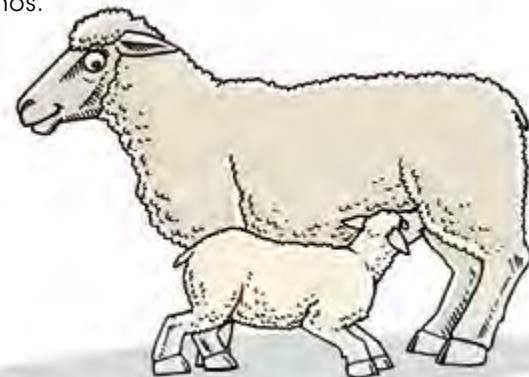




U-Michiel van Breda

ABAVELISI BOBOYA BALAMAXESHA

U-Michiel van Breda, umkhwenyana womnye woobhuti bakwa Van Reenen abakhankanywe ku p 25 waqaliswa **imfuyo** yoboya kwi Soetendalsvlei kufuphi ne Bredasdorp ngo 1817. Le fama iseyifama yosapho luka Van Breda. Umfama okhoyo kwi Zoetendalsvallei ngu Michael van Breda onefama kanye no Dohne Merinos. Dohne Merinos.



IIFAMA ZOSAPHO

E-Mzantsi Afrika uboya buveliswa kakhlulu kwiifama zosapho pho umfama engumnikazi womhlaba. Kwiimeko ezininzi ezifama zigqithiselwa ukusuka kubazali ukuya kubantwana babo. Ngalendlela ezinye iindawo zigqithiselwe ngendalela yezizukulwana ezininzi zosapho olufanayo.

Abavelisi boboya kwiifama zeentsapho abafumanu imivuzo yarhoqo okanye **umvuzo** ofana nomnye umntu osebenzela umqeshi (ofana notitshala wakho, ngomzekelo). Imivuzo yabo isuka kuphela ukusuka ekuthengisweni koboya okanye amatakane. Kufuneka ukuba balungiselele

IMANYANO YESIZWE YABAVELISI BOBOYA

Imanyano Yesizwe Yabavelisi Boboya (NWGA) yaqaliswa ngo 1929 ukumela amafama oboya kwilizwe kanye nokuphucula yonke imiba yoshishino. Ngendalela ye NWGA, enamasebe kulo lonke ilizwe, amafama oboya angaqlisa kwaye agcine amakhonkco kanye:

- namaziko athenga nalungisa uboya bawo
- neenkubo zikarhulumente kanye neenkubo ezichaphazela ushishino lwabo
- nee yunivesithi namaziko ezophando
- nabanye abavelisi boboya nemibutho kwihlabathi jikelele.

I-NWGA imele abemmi bemfuyo yoboya. Inobulungu bokuzithandela obuphantse ne 10 000 yamafama, kuquka amafama asakhulayo kumhlababa wasekuhlaleni.





AMAFAMA ASEKUHLALENI

Amafama asekuhlaleni kwiindawo zasekuhlaleni abangabo abanikazi bendawo apho balima khona, kodwa babelana ngesiqingatha somhlaba esifanayo. Uninzi lwamafama oboya begusha abangama 17 000 kwelalisaziwe ngokuba yi Transkei kunye ne Ciskei ngamafama asakhulayo. Imihlambi yayo ine avareji ephakathi kweegusha ezingamashumi amabini kunye namakhulu amabini. Urhulumente unikezela ngeeshedi zokucheba kubahlali abohlukeneyo kwaye uboya babo kurhwetywa ngabo kurhwebo lwehlabathi ngendlela yeetshaneli ezifanayo ezisetyenziswa ziifama zeentsapho.

ABAFUYI BOMLIBO OFUYI-WEYO

Umfuyi womlibo ofuyiwego uneendima ezimbini. Uyincutshe ngokunikezela ngeenkunzi zeegusha kumafama oboya (abaqhele ukubangamafama eemazi zeegusha kuphela kunye neenkabi zeegusha ukwenzela ukuveliswa koboya) ukuba zizekiswe nemihlambi yeemazi zeegusha. Umfuyi ukwanoxanduva lokuphucula **imvelo** yemfuyo.

Ukukhethwa kweenkunzi zeegusha yindlela



Amafama asekuhlaleni afumana uqequesho



BAA ... BYLONIA

Asiwazi umhla ochanekileyo owokugaliswa kwemfuyo yeegusha. Kanti, siyazi ukuba kubuyela emva kwiminyaka engamawaka emininzi, ixesha elide ngaphambi kwembali eshicilelwego. Imiqaphu yoboya yayilukwa kwisixeko-kumbuso we Babylonia weminyaka engama 4 000 ngaphambi koKrestu. Igama elithi "Babylonia" ngokwenyani lithetha "Umhlaba woBoya". I-Babylonia yayikwindawo ngoku ekuthiwa yi Iraq.

- www.localharvest.org

ephambili yokuphucula imvelo. Inkunzi yegusha enye inangaphezulu kwekhulu lenzala kwixesha lobomi bayo, xa kuthelekiswa kwisihlanu ukuya kwisixhenxe samatakane se avareji yemazi yegusha.

Abafuyi bomlibo ofuyiwego bakhulisa iinkunzi zeegusha ezininzi. Ulawulo lwabo lwefama lwahlukile kobo bomfama womhlambi.

IIMANYANO ZABAFUYI

abantu abaneemfuno ezifanayo basoloko besebenzisana kunye ukwenza imanyano. Ngendlela efanayo abafuyi bomlibo ofuyiwego beemfuyo zoboya obahlukeneyo baqlala ngemibutho yemfuyo ukunceda iimfuno amalungu abo. Imisebenzi ephambili yemfuyo kuku:

- vumelana ngemigangatho yemfuyo
- nceda amalungu ukuba asebenzise ukuqhelanisa kokufuya okufaneleke kakhulu
- papasha ijenali yokufuya
- nyusela imfuyo.

BUVELISWA NJANI UBOYA?

Ukuveliswa koboya kubandakanya imisebenzi eyahlukeneyo. Abavelisi basebenza unyaka wonke ukugcina iigusha zabo zisempilweni, kwaye baqinisekise ukuba banokutya okwaneleyo, amanzi kanye nendawo yokuhlala. ligusha zifuna ukukhathalelwu ukuzigcina zingenazo izitshabalalisi kanye nezifo ukwenzela ukuba zibenako ukuvelisa uboyabekhwalithi obuninzi.

Njengazo zonke iindidi zolimo, amaxesha onyaka achaphazela imveliso. Imisebenzi eyahlukeneyo kufuneka ukuba yenziwe ngamaxesha ahlukeneyo onyaka.

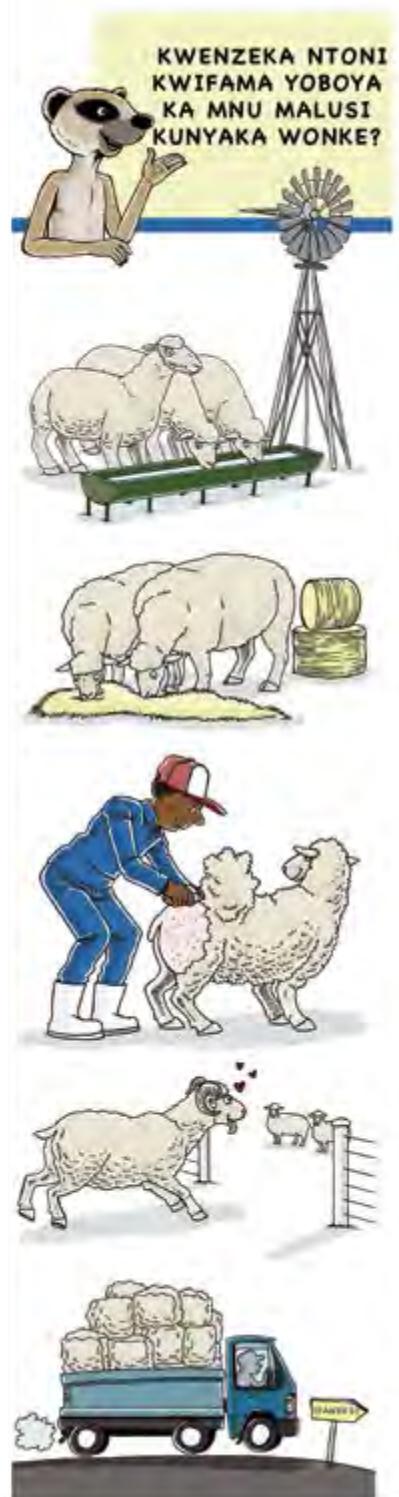
Abavelisi boboya balungiselela kwaye balaule iinkubo zabo zokufuya iigusha, kanye nemisebenzi efana nokucheba, ukuze zifanele kakuhle imozulu kanye nobuninzi bemvula apho indawo yabo ikhoyo.

Uninzi Iwabavelisi boboya basebenza kushishino lwemfuyo exubileyo. Oku kuthetha ukuba baqhele ukuvelisa ngaphezulu nje koboya. Abavelisi boboya baninzi bakwavelisa izilimo ezinjenge ngqolowa, ihabile kanye/okanye i-canola kwaye bangaqhuba ezinye iimfuyo ezinjengee nkomo.

Imisebenzi eyenziwayo ukuvelisa uboya kufuneka yenziwe ukuba ifane twatse kanye neminye imisebenzi efunekayo ezakwenziwa kwamanye amashishini okufuya, anjengo kukhulisa izilimo. Ukuvelisa iimveliso ezininzi ezahlukeneyo kuthetha ukuba abavelisi boboya baxakekile unyaka wonke.

Ngexesha lonyaka amafama oboya kufuneka ukuba:

- Akhangale izibonelelo zamanzi kanye nemikhombe
- Ahole ikhwalithi kanye nobuninzi bedlelo
- Atyise izondlo ezongezayo kanye/okanye ukutyukuba idlelo linqongophele
- Ahambise iigusha phakathi kwamadlelo amancinane
- Ahhalise iinkunzi zeegusha kanye neemazi zeegusha (kangangee veki ezi-5 ukuya kwezisi-8)
- Achebe
- Akhangale ukuba iimazi zeegusha zinento eninzi yokuba zitye
- Amanzise, aphelise iintwala kwaye agonye iigusha
- Akhangale iimazi zeegusha ngexesha lokunakekela amatakane
- Anikezele ngokutya okongezekileyo kanye nendawo yokulala kwiimazi zeegusha nakumatakane okanye iigusha ezisanduluku chetywa ukuba imozulu iyabanda
- Alawule amarhamcwaa
- Aphawule kwaye agonye amatakane
- Asekele kwaye angxolise iigusha ezindala
- Akhangale ukuhlasela kweempukane ngexesha lemozulu efudumeleyo
- Akhumle amatakane ukusuka kwiimazi zeegusha
- Ukubhala phantsi iigusha ezakuthengiswa
- Ukuthenga iinkunzi zeegusha ezintsha
- Athenge istokhwe seenkozo kwakhona kanye nezibonelelo zokutya
- Athengise uboya



UKUTSHINTSHATSHINTSHA IMISEBENZI

Igusha ifuna ukukhathelwa unyaka wonke. Kungabanzima kumafama oboya ukuba bafumane ixesa leholide kude nendawo yabo. Abavelisi bazama ukulungiselela ukuphumla phakathi kwemisetyenzana ephambili enjengo kucheba kanye nokunakekela amatakane.



Kwiindawo zobuninzi bemvula ephezulu idlelo elongezekileyo lingavelisa isikhotha okanye ifula yesisele ukwenzela ukutya



lindawo zobuninzi bemvula ephantsi ivelisa idlelo elincinane

ULAWULO LOKUTYA EMADLELWENI -----

Abavelisi boboya balawula iindawo zabo ngocoselelo ukuqinisekisa ukuba iigusha, amadlelo kune nomhlaba zihlala zisempilweni.

Ubungakanani beegusha ezitya kwidlelo elincinane kune nobungakanani bexesha ezilahlalayo apho kuxhomekeke ukuba bungakanani ukutya (idlelo) okufumanekayo.

IMILINGANISELO YOKUFUYA -----

Ubuninzi beegusha ezitya endaweni bubizwa ngokuba ngumlinganiselo wokufuya. Kwiindawo zobuninzi bemvula ephezulu imilinganiselo yokustokha iphezulu kuneendawo zobuninzi bemvula ephantsi. Oku kuthetha ukuba iigusha ezininzi zingagcinwa kwindawo efanayo yomhlaba.

Umzekelo, ihekthare enye yomhlaba kwindawo yobuninzi bemvula ephezulu ingavelisa idlelo elikhulu kune hekthare enye yomhlaba ekwi ndawo yobuninzi bemvula

ephantsi. Apho kukho khona imvula eninzi ngalondlela idlelo elikhulu, ngalondlela kungabakho iigusha ezininzi nge hekthare nganye. Kwiindawo zobuninzi bemvula ephantsi amadlelo amancinane kune nee ndawo ziqhele ukuba nkulu ukuba zibonelele ngobuninzi bedlelo nge hekthare nganye.

Abavelisi boboya baziqhelanisa nobuninzi beegusha abanazo kuxhomekeke kubuninzi bokutya obufumanekayo. Bathengisa iigusha xa kukho ukutya okuncinane, ngomzekelo

kumaxesha ebalela.

Xa ukutya kukuninzi, abavelisi boboya bathenga iigusha kwabanye abavelisi okanye bagcina amatakane amaninzi ukunyusa ubukhulu bomhlambi wabo.

Kumaxesha nyaka obuninzi abavelisi kwiindawo zobuninzi bemvula ephezulu bangenza isikhotha okanye ifula yesisele ukusuka kwidlelo elongezekileyo. Bangatyisa oku kwiigusha zabo ngexesha lasehlotyeni, kumaxesha onyaka omileyo okanye ngamaxesha embalela.

UKUTYA EMADLELWENI OKUBOLEKISANAYO

Abavelisi boboya basebenzisa ukutya emadlelweni okubolekisanayo kumadleo amancinane abo ukulawula amadlelo. Oku kuthetha ukuba idlelo kwidlelo elincinane kutyiwa kulo kangange xesha elithile kwaye emva koko iigusha zishenxiselwa kwelinje idlelo elincinane ukuvumela idlelo kwidlelo elincinane lokuqala ukuba likhule kwakhona.

Abavelisi kwiindawo zobuninzi bemvula ephezulu zithambekele ukubanamadlelo amancinane kancinane njengokuba idlelo likhula ngokukhawuleza kakhulu kwaye iigusha zifuna ukususwa phakathi kwamamadlelo amancinane rhoqo kuneendawo zobuninzi bemvula ephantsi.

Amadlelo amancinane kwiindawo ezinemvula encinane angaba makhulu kakhulu kwaye iigusha zingahlala kwidlelo elincinane kangange xesha elide.

Wonke amadlelo amancinane afuna

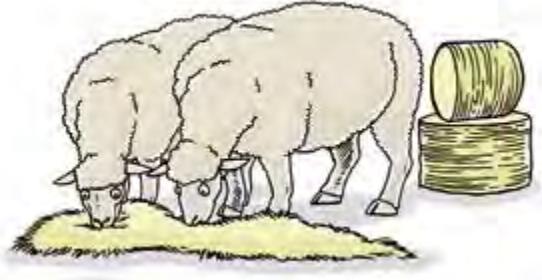
UKUSHENXISA IIGUSHA

Abavelisi boboya bahlanganisa iigusha zabo ukuze bazishenxise phakathi kwamadlelo amancinane okanye ukuzifaka kwizibaya ukuze zimanziswe, ziphawulwe, zingqezulwe okanye zichetye.

Ukuhlanganiswa kuqhele ukwensiwa ngeenyawo okanye ngokuhamba ngamahashe. Ngamanyi amaxesha izinja ezincedisa ukwalusa iigusha ziayasetyenziswa. Kuxhomekeke kubukhulu beenkampu zokutyisa emadlelweni nokuba umhlaba uneentaba okanye ngokuthelekiswayo uthe tyaba, ukuhlanganiswa kungathatha isinye okanye iiyure ezimbini ukuya kwisiqingatha ngosuku. E-Australia iindawo zinkulu kakhulu kangangokuba iinqwelo-moya kanye nehelikopta zinganceda ekuhlanganiseni).

Abavelisi kwiindawo zobuninzi bemvula ephezulu bakhetha, kwakunye neentyatyambo, zaqalisa nge species zamadlelo ezikhula kakuhle kwindawo yazo neziqulathe izondlo ezininzi kakhulu ezifunwa ziigusha.

Abavelisi abaninzi kwiindawo zobuninzi bemvula ephantsi kufuneka balawule amadlelo endalo okanye ii-species zentyatyambo emelana nembalela ukutya iigusha zabo.



IIGUSHA EZIGULAYO

iigusha zingagula kwaye zinokufa ukuba zitya iintyatyambo ezinetyhefu. Abavelisi boboya bahlola ngokungatshintshiyo iintyatyambo ezinetyhefu kumadleo amancinane abo.

amanzi ukuze iigusha zisele nokuba **kusemikhombeni** okanye emadamini.

Kwiindawo zobuninzi bemvula ephantsi abavelisi basoloko besebenzisa iindawo zonkcenkceshelo ukuhlanganisa (ukuqokelela) iigusha. Amadlelo amancinane kakhulu kunzima ukuwahlanganisa kwaye ngenxa yokuba iigusha ziqokelelana ngokungqonge iindawo zonkcenkceshelo rhoqo, abavelisi bangasebenzisa oku ngendalela enceda bona.



UKUFUYWA KWEEGUSHA -----

Ukufuywa yindlela ebalulekileyo abavelisi boboya abanganyusa ikhwalithi kanye noburninzi boboya obungaveliswa ziugusha.

Abavelisi boboya bakhetha imfuyo yabo efuyiwego ukusuka kwizilwanyana zabo ezifanelekileyo.

Ukukhetha iinkunzi zeegusha kubalulekile ngokukodwa ngenxa yokuba inkunzi yegusha izalisa (iyamithisa) kanganga mashumi amahlanu okanye ngaphezulu kwamatakane ngexesha lonyaka elinye. Thelekisa oku kwimazi yegusha evelisa kuphela isinye okanye isibini samatakane ngexesha lonyaka. Imazi yegusha iqhele ukugcinelwa ukufuya okungekho ngaphezulu kwesihlanu okanye isithandathu seminyaka. Abavelisi bakhetha iimazi zeegusha ezivelisa uboya bekhwalithi ephezulu kakhulu nobusempilweni, amatakane akhula ngokukhawuleza.

UKUKHETHWA KWE GUSHA -----

Abavelisi bangasebenisa abacebisi abaziincutshe ukunceda iinkqubo zabo zokufuya. Aba bacebisi bahlola iigusha zomvelisi kanye nekhwalithi yobuninzi boboya obuchetyiwego emva kokucheba.

Ngoncedo lwabacebisi babo abavelisi boboya bakhetha ezona mazi zeegusha zifanelekileyo ukuzidibana (ukuzizekisa) kanye neenkonzi zeegusha zabo ukuvelisa inzala evelisa uboya bekhwalithi ebhefele. ligusha ezinoboya bekhwalithi yomgangatho ophantsi okanye ezingavelisi nawaphina amatakane zisoloko zikhethwa (ziyasuswa) ukusuka kumhlambi kwaye zithengiselwe inyama.

Abavelisi boboya bangathenga iinkunzi zeegusha ukusuka kwii ndawo zeencutshe ezibizwa ngokuba yimilibo efuyiwego iinkunzi zeegusha zemilibo efuyiwego ifuyelwa ukuvelisa uboya bekhwalithi ephezulu kwaye zingathengisa ngamaxabiso aphezulu.

Imilibo efuyiwego eyahlukeneyo kwiimpawu ezahlukeneyo ezibonakalayo kwiinkunzi zeegusha abazifuyayo kwaye zibekwisibonelelo sokuthengiswa. Abavelisi bathenga ukusuka kwimilibo efuyiwego efuya iinkunzi zeegusha ukuze zifanele umhlambi wabo kanye nommandla. Abavelisi boboya bafuna iinkunzi zeegusha ezingazalisa amatakane amaninzi asempilweni azakuhula uboya bekhwalithi ephezulu.



Abavelisi boboya babonisa ngemfuyo yabo





Abavelisi bakhangela rhoqo iimazi zeegusha ngexesha lokunakekela amatakane



Ukuphawula indlebe kunceda abavelisi ukuba bazazi iigusha zabo

UKUNAKEKELA AMATAKANE

Abavelisi boboya baqhele ukulungiselela ukunakekela amatakane azakuzalwa ngexesha lasekwindla ngendlela eya ekuqaleni kwentlakohlaza xa kukho idlelo elinanzi.

Ngalendlela kukho ukutya okwaneleyo kweemazi zeegusha **ezincancisayo** kune amancinane amancinane xa eqalisa ukutya ingca.

Ukunakekela amatakane ngexesha lasekwindla kuthetha ukuba amatakane kufuneka ukuba omelele ngaphambi kokuba kufike imozulu erhabaxa yasehlotyen. Apho amatakane azalwa ngexesha lasebusika, abavelisi bayaqinisekisa ukuba kukho indawo yokuhlala eninzi kumadlelo amancinane ukukhusela amatakane kune neemazi zeegusha kwimozulu.

Ukunakekela amatakane eemazi zeegusha kuqhele ukunikwa amadlelo amancinane aqulathe okona kutya kufanelekileyo ukuxhasa iimfuno zawo zesondlo esiphezulu.

Ngexesha lokunakekela amatakane, abavelisi bakhangela imihlambi yabo rhoqo ukuqinisekisa ukuba iimazi zeegusha azinazo naziphina iingxaki. Ngamanye amaxesha iimazi zeegusha zingaba nobunzima kwaye abavelisi bangafuna ukuzinika uncedo.



UBUSAZI UKUBA

Abanye abavelisi boboya basebenzisa iithegi zeendalebe zombane. Ezi ziduru kakhulu kodwa zinokugcina iinkukacha ezininzi malunga neegusha. Zonke iinkukacha kwithegi zingaskenelwa kwi khompyutha.

UKUPHAWULWA KWAMATAKANE

Ukuphawulwa kwamatakane kwenziwa xa amatakane emalunga nesibhozo seeveki ubudala. Ukuphawulwa kwamatakane kubandakanya ukuphawulwa kweendlebe, ukugonywa kune ukunqunda (ukususwa) imisila ematakaneni. linkunzi zamatakane **ziyathenwa**, ngaphandle kokuba kufuneka ukuba zigcinelwe ukufuywa.

Abanye abavelisi banika iigusha zabo ithegi yesazisi ezindlebeni zazo. Ezi thegi zithetha ukuba iimveliso zeegusha zingalandelelw ukubuyela emva kwindawo ezsuka kuzo.

Abanye abavelisi basebenzisa iithegi zemibalabala eyahlukeneyo ukubonisa unyaka igusha eyazalwa ngawo. Ngalendlela

kulula ukuxela iminyaka yayo. Abavelisi bangasebenzisa kananjalo isixhobo sokuphawula iindlebe ukusika isikhewu okanye uphawu kwindlebe nganye yegusha.

Indawo yoboya nganye ingabane thegi olubhalisiweyo kune nophawu, ukwenza ukwaziwa kubelula.

Igusha ephawulwe ngokucacileyo ingabuyiselwa kubanikazi bayo ukuba ziphumela emacingweni, ziyalahlekwa okanye zibhadulela kwifama engummelwane kwaye ixubeka neegusha zommelwane.

Ukuphawula kulula njengokugqobhoza iindlebe zakho.



UKUTHENGISWA KWEE GUSHA

Abavelisi boboya abasoloko begcina wonke amatakane abawavelisayo. Bayakhetha ukuba ngawaphi amatakane amawagcinelwe umhlambi wokufuywa kanye nemveliso yoboya

kwaye ashiyekileyo ayathengiswa ngokubanzi. Oku kugcina inani elinqwenelekayo lilonke leegusha kwindawo ngonyaka ngamnye.

UKULAWULA IMPIO YEE GUSHA

Abavelisi boboya baqhuba uludwe lwemisebenzi ukugcina iigusha zabo zisempilweni. Oku kuyasebenza ngakumbi kakhulu kunokuzama uku "lungisa" iigusha xa sele zigula - njengokuba iqhalo lisitsho, ukuthintela kubhetele kunokunyanga.

Ukuqinisekisa ukuba iigusha zinokutya kwekhwalithi okuninzi kanye namanzi acocekileyo yinxenyen ebalulekileyo yolawulo lwemfuyo.

Iigusha zifuna umthunzi osuka emithini nasematyholweni ngexesha lasehlotyen'i ukuzinceda ukuba ziphole kanye nokuzikhusela ngexesha lemozulu emanzi kanye nenezaqhwathi.

Abavelisi bakwafuna ukulawula izifo kanye

nezitshabalalisi kwimihlambi yabo. Benza oku ngokugonya, **ukumanzisa**, ukulawula iintwala kanye neempukane, imfuyo kanye nokubolekisana ngamadlelo amancinane, kanye nokukhetha imfuyo yokufuywa eyomeleleyo kanye nesempilweni.

Ngamanye amaxesha abavelisi boboya bafuna ugqirha wezilwanyana ukunceda ukunyanga iigusha ezigulayo kanye nezixhwalekileyo.

Abavelisi boboya benza imizamo emininzi kananjalo ukuqinisekisa ukuba iigusha zabo azonzakali okanye zibulaweh ngamarhamncwa. Amarhamncwa aphambili abulala iigusha eMzantsi Afrika ngoo dyakalashe kanye neengqawa.

UKUGONYWA

ligusha ziyagonywa ngokuchasene nezifo ezithile ezixhaphakileyo xa zisengamatakane.

E-Mzantsi Afrika iintlobontlobo ezibanzi kakhulu zamayeza okugonya ziayafumaneka ngokuchasene nezifo zeegusha njengo dila, isisu segazi setakane, ubutsumtsum bentso, uminxano-mihlathi, umlenze omnyama, ukukrala kwemiphunga, ukukhutshwa kwesisu okusulelayo (i-brucellosis) kune namathumba. Amayeza okugonya eza ngeendlela ezahlukeneyo, kwaye amanye adityaniswe kune neevithamini.



UKUMANZISA

Iintshulube zamathumbu, okanye izidleleleli, ngokuxhaphakileyo zichaphazela iigusha. Abavelisi bangamanzia iigusha zabo ngeekhemikhali zeentshulube, ezifana nepilisi engamanzi yeentshulube, ukulawula iintshulube. Ubolekiswano Iwamadlelo amancinane (amadlelo amancinane apho

iigusha zihlaliswa khona kangangexesha elifutshane) kunganceda ukuthintela unini lweentshulube emathunjini ukuba lunyuke. Ungakhathazeki – inyama esulelekileyo ayinako ukuthengiswa.

UKUHLASELA KWEET MPUKANE

Ukuhlaselwa kwee mpukane sisimo esixhaphakileyo esichaphazela iigusha kwihiabathi jikelele, kuquka uMzantsi Afrika. Iimpukane eziluhlaza zizala amaqanda azo kuboya obufumileyo okanye obungcolileyo, kudla ngokuba yindawo engqonge amazantsi egusha. Iimpethu ziqandusela kulamaqanda kwaye zimbe phakathi kwinyama yegusha. Isiphumo ziintlungu kune nokugula. Ukuba ishiywa inganyangwanga, isilwanyana singabhubha.

Ukungqezulwa kwarhoqo kwakunye **nokutsaza** ngeekhemikhali ezinqanda iimpukane eziluhlaza ukuba zizalele amaqanda azo kuboya obumdaka ngamanyathelo okulumkela amahle.

Kwisithuba seminyaka i-Merino yoMzantsi Afrika iye yafuyelwa imigobo ecocke kancinane, ngamanye amazwi, ukwenzela umzimba ogudileyo. Isiphumo kukukhula okuncinane koboya ngokungqonge iimpundu. Kule indawo kufume kancinane kwaye kunoboya, ukwenzeka kwempukane eluhlaza kuyancitshisa. Xa kukho ubungqina bokuhlasela kweempukane kumhlambi, **iyenza lokubulala**

izitshabalalisi liyasetyenizwa ngoko nangoko **kwindawo yangasemva** (iimpundu) ukubulala impukane eluhlaza. Esi sisenso esisemgangathweni.

Isahlulo esikhulu sobuninzi boboya obuchetyiweyo boMzantsi Afrika sisuka kwiindawo ezirhabaxa, zobuninzi bemvula ephantzi ezifana ne karoo. Ngethamsanqa impukane eluhlaza ayiqhelekanga apha njenga kwiindawo zobuninzi bemvula ephezulu ezinjengo mmandla wonxweme kune nethafa elinengca eliphezulu (ngokungqonge i-Dullstroom kune ne Belfast).

Ukuhlaselwa ziintwala kune neempukane



**ITHANGA
ELIQHWANYZAYO!**



Imazi yempukane eluhlaza ingazala kangangama-200 amaqanda ngaxesha linye.

UKUCHEBA

Ukucheba yinkqubo yokuvuna uboya obusuka kwigusha ephilayo. Ukucheba akubangeli umonzakalo okanye ukufa, kwaye igusha ingachetywa rhoqo.

Umntu angaqeqeshwa yi NWGA ukuzeachebe. Xa uthe waqeinqeshwa ungaqeshwa yinkampani okanye ziikontraktha ezizodwa ezichebayo. Ukucheba ngalondlela kuba yinkqubela-phambili yobomi bakho. Ukucheba kukokwamaxeshaa athile onyaka kwaye ngexesha lonyaka abachebi batyelela kulo lonke ilizwe phakathi kweefama, becheba iigusha ukuze baphile. Iqela ngalinye likhatshwa ngumhleli woboya kunyenomphathi woboya.

Malunga nesibini esithathwini kumaqela okucheba sisebenzisa ukucheba ngesandla. Umntu ocheba ngesandla uzukucheba ngokukodwa malunga neegusha

ezingamashumi amahlanu ngosuku, kodwakukho abachebi abakwaziyo ukwenza ngaphezulu.

Abacheba ngomatshini basebenzisa iiklipa zombane ezifanayo kwezo zisetyenziswa ngabalungisi-zinwele, kodwa zinkulu kwaye ziqinile. Isixhobo sesandla ngasinye siqhutywa yi motho yombane kwindawo "yokuma" apho umchebi ngamnye asebenza khona. Umntu onobuchule ocheba ngomatshini angacheba, ngaxesha linye, malunga nobuninzi beegusha eziphindwe kabini kunomntu ocheba ngesandla.

Amaqela achebayo aqhele ukuchitha iveki okanye ngaphezulu efameni, kuxhomekeke kwinani leegusha. Abavelisi boboya kufuneka balungiselele kakuhle kwangaphambili ukuze balungelelanise amaqela.



ABACHEBI BODIDI OLUPHEZULU

Ukhuphiswano lokucheba iigusha ludume kakhlulu eMzantsi Afrika, e-Australia nase New Zealand. Irakhodi lomhlaba lokucheba ngomatshini iimazi zeegusha ze Merino zimazi zeegusha ezingama-466 kwishifu yeeyure ezisi-8.



abantu abacheba ngomatshini emsebenzini



Abachebi abaziintshatsheli zehlabathi basoloko bevela eMzantsi Afrika

UKUCHEBA IIGUSHA

Abachebi bazisa igusha ukusuka **kubuhlanti bazo bokuvalelwa** ukuya kutsho kwindawo yokuma esemgangathweni. Banocoselelo kakhulu ngendlela ababamba ngayo igusha kuba bafuna ukuyigcina izolile. Abachebi bakwanenkathalo eyodwa ukubalekela amanxeba esikhumba egusheni.

Emva kokuba uboya buchetyiwe kwaye

buqokelelwe, uboya begusha buphathwa njenge siqwenga esinye. Bucholwacholwa ngumntu ophathayo (okwabizwa ngokuba ngumphosi woboya) buphoswe kwitafile yokucombulula.



UBUGCISA BOKUCHEBA

Inkubo yokucheba ayitshintshanga kangako ekuhambeni kwexesha, Abavelisi, abachebi kunye nabaphandi bayaqhubeka ukuphicotha iimbono ezintsha kunye nobugcisa.

Iimbono ezintsha ziquka ukucheba okuthe nkqo kwakunye nokucheba kwe bhayoloji. Kanti, kusesisigaba sokulinga kuphela kwaye akukasetyenziswa.

Ukucheba okuthe nkqo kuzakwenza lula ubomi bomchebi. Ngokucacileyo kulula kwy'e kusempilweni ukusebenza usuku lonke lokusebenza ume nkqo endaweni yokugobel a phantsi. Kuyacingwa kananjalo ukuba kwixesha elizayo umatshini ungasetyenziswa ukubeka endaweni ngocoselelo kwaye ubambe igusha.

Enye indlela kukucheba kwe bhayoloji. Oku kubandakanya ukubeka umnatha ngokungqonge igusha kwaye emva koko ifofwe nge protini. Ikhemikhali etofiwego kumele ukuba iphule usinga loboya kwaye igusha emva koko kufuneka ivuthulule uboya begusha bayo ngesiqwenga esinye ngaphakathi emnatheni.

UKULUNGISELELA ISHEDI

Ngaphambi kokuba iqela lokucheba lifike umfama uzakucoca ngocoselelo ishedhi yokucheba ukuthintela usuleleko lobuninzi boboya obuchetyiweyo. Ezinye izinto ezincinci zosinga olwahlukenyeyo, zingasuka kwizinja, kwiigusha ezimabalabala, kwiziqwenga zemitya okanye kwiplastiki. Kusoloko kubonwa kuphela xa ilaphu lithe lenziwa ukusuka eboyeni, kubangele iilahleko ezinkulu kumvelisi. Yonakalisa kananjalo udumo lwelizwe evela kulo.

Igusha kufuneka zome nko ukuze zichetywe. Ukuba imvula iyalindeleka igusha izakugcinwa eshedini ubusuku ngaphambi kokuchetywa.

Ngaphakathi kwishedi elungiselelw kakuhle umchebi ngamnye unobuhlanti bakhe obuncinane bokuvalela. Izandla ezahlukenyeyo eshedini zishenxisa iigusha ukusuka kubuhlanti obukhulu ukuya kutsho kobo buncinane. Ngalendlela umchebi akunyanzelekanga ukuba aleqekemva kwegusha kubuhlanti obukhulu, kwaye umfama angahlola ikhwalithi yomsebenzi owenzwe ngumchebi ngamnye.



Umchebi ngesandla emsebenzini

UKULUNGISELELA UBOYA BEGUSHA

Emva kokuba uboya begusha buphoselwe kwitafile yokucombulula umhleli woboya uyabugugutha (uyabukhangela) ukususa uboya bekhwalithi ephantsi obungqonge imiphetho. Oku kuquka uboya obungqonge intloko kanye nobuso, ukusikwa kwesibini kanye neziqwenga ezingcolileyo ezingqonge imilenze. Emva koko umhleli woboya ususa uboya entameni. Uboa obusentameni buyatshintshatshintsha kakhulu ngenxa yee pliti kumphambili wegusha. Uboa obusemqolo buqulathe **iziqwenga** ezinizi zemathiriyeli yentyatyambo kanye nothuli kunoboya obusemacaleni omzimba wegusha.

Uzmimba ophambili woboya begusha emva koko uyasongwa kwaye umiselwe umgangatho owodwa ngokubhekiselele kucoleko losinga kanye nobude bosinga.

Uboa buconjululwa bubeziindidi ezintlanu:

- uboya begusha
- **ii-necks**
- umqolo
- izisu
- ziqwenga

Uboa obuhleliwego bubekwa ngokwee **pakethi** **zoboya** be nayiloni kwaye bucinezelwe ukuba bube ziibhali eziphawulwe ngekhowudi eyodwa yodidi loboya kanye neenkukacha zomvelisi woboya.

Bonke uboya boMzantsi Afrika buhlelwa ngokunxulumene nemigangatho yokuhlela ye NWGA. I-NWGA ikwaggiba ngenqubo yekhowudi kuzo zonke iibhali.



Uboa obuhleliwego benziwa ibhali kwaye bufakwe uphawu lokulungiselela ukuthengiswa



Ukuguguthwa (ukukhangela) koboya begusha

Amacandelo aphambili okuchetywa koboya begusha

UBOYA BEGUSHA

Ubuninzi boboya
obusuka emzimbeni

IWIGI

Uboa obusuka
kumphambili
wobuso.

INTAMO

Uboa obusuka
n gezantsi kwsilevu
uboya kummandla
wesifuba

II-LOCKS

iziqwenga
ezimfutshane zoboya
ezenziwe kukucheba
kabini kwindawo
efanayo

UKUNGQEZULA

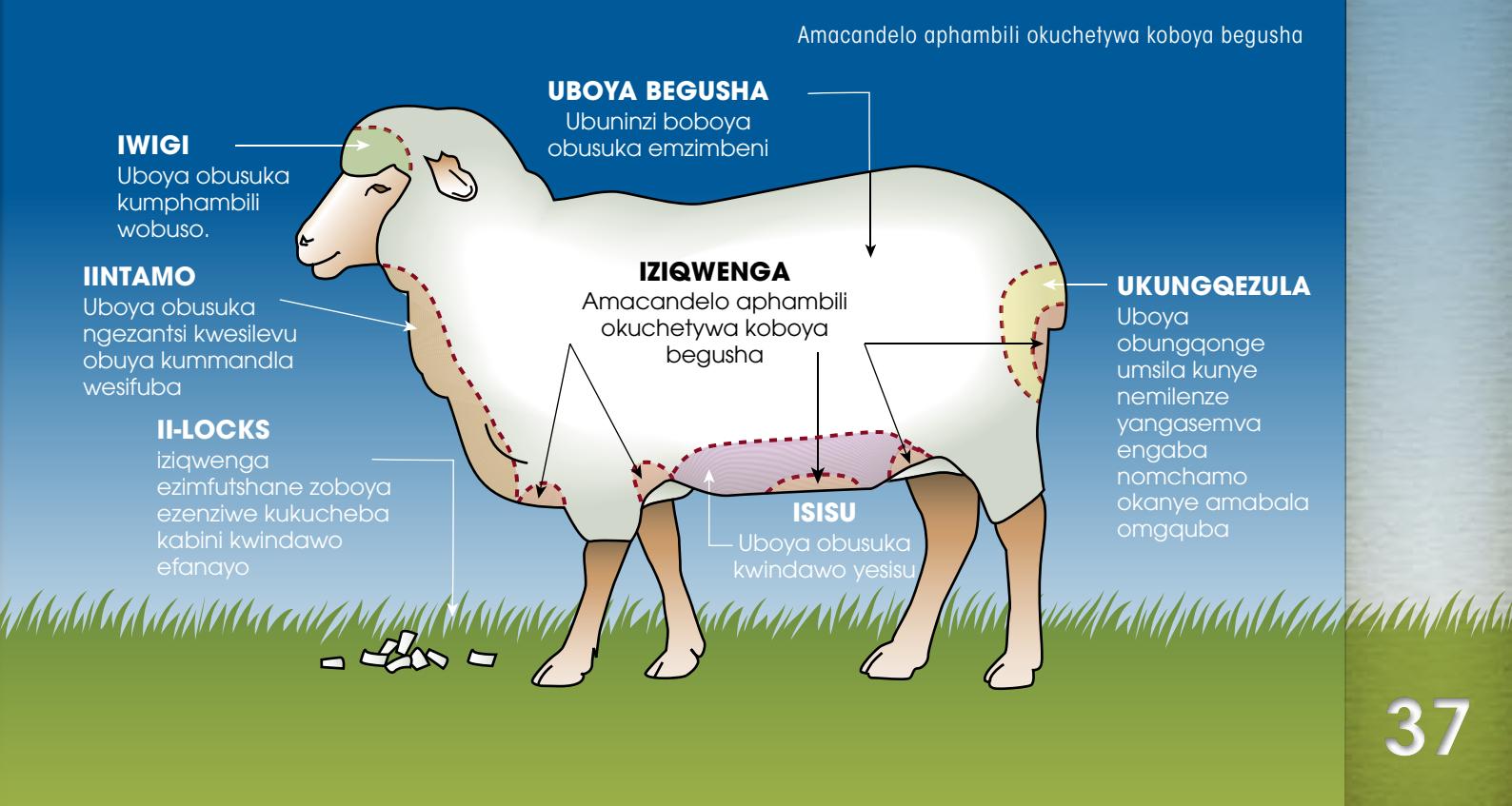
Uboa
obungqonge
umsila kanye
nemilenze
yangasemva
engaba
nomchamo
okanye amabala
omgquba

IZIQWENGA

Amacandelo aphambili
okuchetywa koboya
begusha

ISISU

Uboa obusuka
kwindawo yesisu





UKUNGQEZULA

Ukungqezula ludidi oluthile lokucheba kwaye alusoloko lusenziwa ngaxesha linye lonyaka njengokucheba okuqhelekileyo.

Ngexesha lokungqezula buboya obungqonge amazantsi egusha kuphela obususwayo. UKususa obuboya kunceda ukuthintela ukuhlasel a kweempukane kuba buboya obumdaka obutsala iimpukane ezizala amaqanda.

UKUNGABONI KWE GUSHA ...

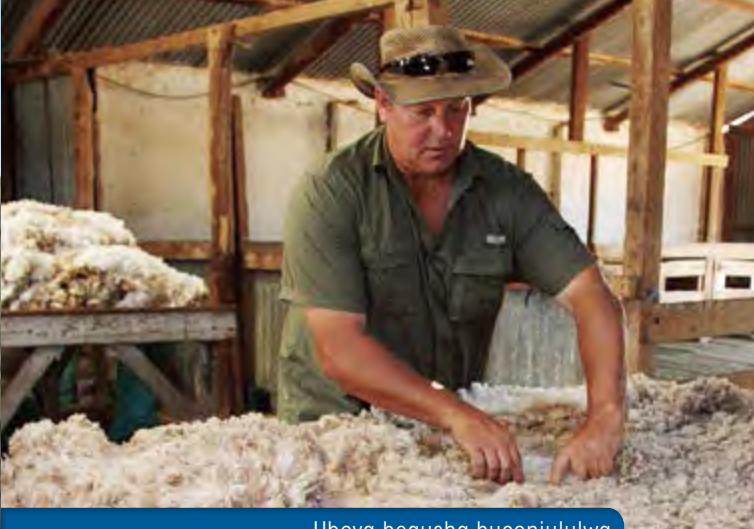
Ngamanye amaxesha igusha ayinako ukubona ngenxa yoboya obukhula phezulu kwamehlo ayo. Oku kubizwa ngokuba kukubayimfama koboya, kwaye yimvelaphi yesaci (intetho) "ukutsala uboya ngaphezulu kwamehlo omnye umntu". Xa utsala uboya ngaphezulu kwamehlo omnye umntu awutembeki kuba uyabakhohlisa



UKWENZA IBHALI

Abavelisi boMzantsi Afrika basebenzisa icicinezeli ezisebenza ngoxenzelelo lolwelo ukucinezela uboya ukuba bube ziipakethi ze nayiloni. Ezi zicinezeli ziqualthe isikhongozelo esisebhokisini esibubukhulu obufanayo njengee pakethi ze nayiloni. Ipakethi engenanto ifakwa ngaphakathi kwisicinezeli, sigcwaliswe ngoboya obucinezelelw phantsi sisidyumpuzisi. Kuthatha malunga namashumi amathandathu oboya begusha obuguguthiweyo ukugcwalisa ibhali loboya. Ibhalli linobunzima obumalunga ne 180 kg.





Uboya begusha buconjululuwa



litraki ezinkulu zithutha uboya



Izitoro zoboya zingagcina amawaka amabhali

UKUTHUTHA UBOYA

Ibhayi ngumbindi woshishino loboya eMzantsi Afrika. Uninzi, ukuba ayingabo bonke, abadlali bendima ababalulekileyo kushishino bahlala apha.

Emva kokucheba, ukuhlela kune nokwenza ibhali, abavelisi bahambisa uboya obuchetyiwego babo kwinkampani yokurhweba ngoboya yomkhetho. Apha bugcinwa okwexeshana kwizitora ezinkulu.

Uninzi loboya obuchetyiwego boMzantsi Afrika buthengiselwa abathengi baphesheya kweelwandle. Izcinezeli zobunzimamthamo obuphezulu zietyenziselwa ukucinezela amabhali oboya ukuba abesisithathu sobukhulu bokuqala bazo. Kungeloxesha kuphela apha uboya bufakwa kwisikhongozelo ukuba buthuthwe ngenqanawa.

Uninzi loboya obuchetyiwego boMzantsi Afrika buthengiselwa kwaye buthenyelwa abathengi baphesheya kweelwandle



INTLALO-NTLE YEZILWANYANA -----

Abavelisi boboya boMzantsi Afrika basoloko bexhalabe kakhulu malunga nentlalo-ntle bezilwanyana zabo kunye nommandla. Ulondolozo olubhekiselele kubutyebi lilungelo eliphambili eliphezulu kwaye indlela ye "clean green" yinqobo esesikweni yendalo yeshishini. Amayeza emfuyo angaphakathi (ngokomlomo okanye isitofu) nawangaphandle (asetyenziswa esikhumbeni) asetyenziswa ngoqoqosho kuphela xa kungekho umkhethet.

Isiphumo sesisempilweni, umhlambi wesizwe oziqhelanise kakuhle othi ubenempumelelo kummandla wethu wendalo.



IMITHETHO YOKUSEBENZA KAKUHLE -----

Imanyuwalu Yobhekiselelo Lokusebenza Kakuhle Yemfuyo Yoboya Begusha eMzantsi Afrika (BPRM) ikhuthaza ukusebenza kokufuya ukuba:

- yongeza intlalo-ntle yezilwanyana
- ihlonipha kwaye ikhathalelela ummandla
- ibandakanya uxanduva lwasekuhlaleni.

Igusha kufuneka iphathe ngokwasemzimbeni ngezizathu ezahlukeneyo. Oku kuquka inkathalelo yezempilo, ukushunqulwa kweempondo, ukunqundwa (ukususwa) imisila, ukucheba, ukuhambahambisa iigusha, ukukhathalela amatakne aziinkedama okanye iimazi zeegusha ezikhulelwego.

Ukuba oku akwenziwa ngokuchanekileyo izilwanyana zingabase zintlungwini nakwinkwaleko. Kubalulekile ukuba yonke lemigaqo-nkqubo yenziwa ngobuchule obufunekayo kunye nolwazi.

I-BPRM ichaza ngokucacileyo ngendlela yokusebenzana kakuhle ngemisebenzi emininzi yamafama oboya. Yenza izincomo kananjalo ngazo zonke iindawo ezifunekayo efama ukuqinisekisa ukuba izilwanyana zikhathalelwego kakuhle.





EMINYE IMISEBENZI YABAVELISI BOBOYA

Abavelisi boboya benza okuninzi kunokugada iigusha kuphela. Xa siqalisa, kufuneka baqinisekise ngamacingo, izakhiwo kunte nomatshini ukuba zigcinwe zikwismo esihle esisebenzayo. Ngaphandle koku kufuneka bakhangele rhoqo kwaye bagcine izibonelelo zamanzi emikhombeni nasemadamini.

Imfuyo yoboya, njengalo naliphina ishishini, ikwaquka umsebenzi wase ofisini. Kufuneka ukuba bagcine iingxelo zezimali (imali echithiweyo kunte nengenisiwego), iingxelo zemfuyo kunte neengxelo zolungiselelo lwefama.

Unini lwabavelisi boboya baqhuba iifama ezixubileyo Oku kuthetha ukuba bakhulisa izilimo kwaye bagcine imfuyo enjengee gusha kunte neenkomo. Kwiifama ezixubileyo kukho imisebenzi efuna ukwenziwa kwezinye iindawo zemveliso, njengokuvuna izilimo okanye umsebenzi weenkomo.

Imfuyo lushishino olunzima kwaye amafama kufuneka ukuba alawule imisetyenzana emininzi yemihla ngemihla ukuze babenokuphumeza iinjongo zabo zexesha elide.

Njengabo bonke abanye abantu abasebenza nzima, kubalulekile kubavelisi boboya ukufumana nokulungiselela ixesha leeholide. Ukuthatha ikhefu kunika abavelisi ithuba lokuphumla, lokuyekelela, ukuchitha



ixesha elilelakho kunte nothandana nabo kwaye ubuyele efama unamandla avuselelekileyo kunte nenzondelelo.

IZINJA EZINCEDISA UKWALUSA IIGUSHA -----

Izinja ezincedisa ukwalusa iigusha zidlala indima ebalulekileyo kwiifama zokuvvelisa uboya. Zigcinwa ngokuphambili njenge zinja zokusebenza kwaye ingezizo izilo-qabane. Amanye amafama athi inja encedisa ukwalusa iigusha inexabiso labantu abane xa isolusa iigusha.

Umalusi ngumntu ogada iigusha, nokuba unenja encedisa ukwalusa iigusha okanye akanayo ukuba imncede. Oku ingaba ngumfama kwakunye/okanye umsebenzi wase fama.

Izinja ezincedisa ukwalusa iigusha zinethuku lemvelo lokwalusa lendalo ukugcina umhlambi weegusha ukunye. Ngoqequesho olufanelekileyo intshontsho elinethuku lemvelo elihle liba yi asethi exabiseke kakhulu efama.

Izinja ezincedisa ukwalusa iigusha zikrelekrele ngokugqithisileyo, zinamandla kwaye zomelele. Zingabaleka ngokukhawuleza nokuya kude, nakwiindawo ezivelisa uboya ezishushu zoMzantsi Afrika. Ngosuku olunye lokusebenza zingaqqiba kangangobukhulu obuzii khilomitha ezingamashumi amabini.

Amafama oboya amaninzi oMzantsi Afrika aqhuba ngokuggibeleyo kakuhle ngaphandle kwezinja ezincedisa ukwalusa iigusha, kodwa kwiifama apho zisetenyenzo khona zixatyiswe njengabasebenzi abathembekileyo, amaqqabane, abalingani kunye nabahlobo. I-Border Collies kunye ne Australian Kelpies zezona mfuyo zixhaphakileyo kwiifama zoboya boMzantsi Afrika.

Izinja ezincedisa ukwalusa iigusha nje ziyathanda ukusebenza neegusha. Ukuyliswa kwazo okuhulu kukumenya kumva webhaki, ukuqhutylewa kumhlambi weegusha, nokuthobelha imiyalelo ngokukhawuleza nangokuchanekileyo. Okungakumbi, ziyakonwabela ukusebenza nangoluphina usuku lweveki – ngenxa yokuwonwabela, isitya sokutya kunyenofikelelo oluyi 24/7 kumanzi acocekileyo kunye nendawo yokuhlala.

Izinja ezincedisa ukwalusa iigusha azifuyelwa (okanye zithengwe) inkangeleko yazo, kodwa ngenxa yobuchule bazo bokusebenza neegusha. Zonke izinja zivela kwiingcuka kwaye zazinga marhamncwa ekuqaleni. Kwinkqubo yokukhetha, ithuku lemvelo lokubulala lenja encedisa ukwalusa iigusha lakhutshwa ngokuvvelisa kwakhona kwaye ithuku lemvelo lokwalusa lamiliselwa. Ukufulya kunye nokuqequesha kongeza ithuku lemvelo lokuqhuda ngokwendalo nelokwalusa.

Izinja ezincedisa ukwalusa iigusha zisebenza kwizibaya, kwiinkampu nakwiishedi zokucheba. Zinemisebenzi eyahlukeneyo:

- ziqokelela iigusha



U-Jill, inja yonyaka ka 2013

U-Don, Intshatsheli ye Sizwe ka 2013

I-Border Collies zazifuywa emdeni (kungenxa yoko igama elithi Border Collie) ophakathi kwe Ngilani kunye ne Scotland kwii 1800. I-Kelpies yokuqala yaveliswa e-Australia. Umlibo wayo yayingu Collie ebizwa ngokuba ngu Kelp.

UKUXHAPHA KWEZINJA EZINCEDISA UKWALUSA IIGUSHA!



Ukhuphiswano lwezinja ezincedisa ukwalusa iigusha kunye nabaphathi bazo lubanjwa kuMzantsi Afrika wonke ukusuka ngo Matshi ukuya ku Septemba. Zilungiselelwya yi Manyano yeZinja ezincedisa ukwalusa iigusha zoMzantsi Afrika (SASDA). Injongo ephambili kukunyusela izinja ezincedisa ukwalusa iigusha njengomsebenzi olondolozayo. Oku kwenziwa ngendlela yemiboniso, izifundo kunye nokhuphiswano. Izifundo ziyilelwae ukuvavanya ukubanako kokusebenza kwezinja.

- zihambisa iigusha ngokujikelezayo ukusuka kwinkampu ukuya kwenye inkampu
- ziqhube iigusha, ngomzekelo, ukuya kwisibaya okanye kwishedi yokucheba
- zinceda ukuzihambisa ukuba zingene kumasango okanye kwiitraki..

Izinja ezincedisa ukwalusa iigusha zibala iigusha ngokugcina umhlambi ukunye nokulawula ubuninzi beegusha obuhamba bugqitha kumntu obalayo.

Ezinye izinja ezincedisa ukwalusa iigusha zibaleka ngokunqamleza imiva yeegusha xa zisesibayeni kwaye zizincede ukuzityhalela kumdyarho wokuba zimanziswe kwaye zigonywe. Ezinye zihamba ecaleni komhlambi ukwenza njalo.

Izinja ezincedisa ukwalusa iigusha azihlali nomhlambi kuba azizalelwanga ukuba zigade imfuyo.

Izinja ezincedisa ukwalusa iigusha

UKUTHIYA IGAMA INJA ENCEDISA UKWALUSA IGUSHA YAKHO -----

Igama kufuneka ukuba libelifutshane kwaye libelula ukulibiza, ukulikhwaza nokulimemeza. Umzekelo: Don, Flint, Jill, Trig, Tip, Tiggy, Quin, Sheep, Spot.

Cingela ukuba ubungumnikazi wezinja ezikweliphepha. Cinga ngegama elifutshane nelitsolileyo.

IIMPEMPE ZIKAMALUSI -----

Iimpempe zikamalusi ziylwe kwaye zisetenziselwa kuphela izinja ezisebenzayo

Kwiinkampu ezinkulu kusoloko kuyimfuneko ukuthethathethana nenja, okanye nezinja ezininzi, kumgama. Kungabanzima kananjalo ukwenza isandi sakho ukuba sivakale ngaphezulu kokunxakama komhlambi wamatokane kune neemazi zeegusha, kumoya ovuthuzayo okanye kwimozulu yesaqhwathi. Kungesosizathu iimpempe (isandi esiya kude kunelizwi) izizixhobo ezibalulekileyo zothethathethwano. Iyindlela yoku "thetha" nezinja. Izinja eziqeleshwe kakuhle zazi zombini iimpempe kune nemiyalelo yesandi.

Iimpempe zikamalusi zingenziwa ukusuka kwizinyithi ezahlukeneyo okanye iiplastiki. Uninzi lwazo zenziwe ngomatshini, kodwa ezinye zenziwe ngesandla kwaye zikrolwe kakuhle.

zidibana ngqo ngamehlo kune neegusha xa ziqlikelela zona. Zizigada ngocoselelo ukuze zibenokuqonda indlela iigusha ezizakuhamba ngayo. Inja eqeleshwe kakuhle igada iigusha kodwa ikwamamela isandi okanye imiyalelo yempempe esuka kumalusi wazo. Ikwathatha imiqondiso esuka kulwimi lomzimba womalusi.

Umsebenzi wokuqeleshela iigusha uqalisa xa intshontsho liphakathi kwesithandathu kune neshumi elinambini leeveki ubudala. Injongo kukuthobel, intembeko kune nobuchule obahlukeneyo bokuhambisa nokwalusa iigusha. Umalusi usebenzisa izandi zemilozi ezahlukeneyo kwimiyalelo eyahlukeneyo. Usebenzisa ulwimi lomzimba (apho inji ithi iqonde ngokwethuku lemvelo) ukufundisa inji impempe kune nemiyalelo yesandi. Ngemiyalelo yempempe umalusi usebenzisa umnwe wakhe phakathi kwemilebe yakhe, okanye umlozi owopta kamalusi.



AMAGAMA OBOYA!

Igama elithi umalusi lisuka kwigama lamandulo lesiNgesi u "scēaphirde". Akukho nzima ukubona "igusha" kune "nomhlambi" kwigama, ingaba kunjalo?



Impempe kaMalusi

Ukuyilwa kunceda umalusi ukuba avuthele iinowuthi ezahlukeneyo ibenyne nje ngempempe enye. Izinja ziyanabelwa kwizandi ezahlukeneyo zempempe. Oku kuyafana nokubetha umlozi ngamazinyo okanye ngemilebe yakho.



UKHUSELEKO LWASEFAMA

Abavelisi banenkathalo yokuthintela iingozi kwiindawo.

Igusha ngokubanzi azinabo ubungozi. Ukupaththa okuchanekileyo ngamafama, iintsapho zabo kune nabasebenzi kubalulekile ngokukodwa kwizibaya nakwii shedi zokuchebe apha abantu, izinja kune neegusha zibakunye kwisithuba esincinane ngokuthelekisekayo.

Linkunzi zeegusha azithembakali kwaye zinohlaselo, ngokukodwa xa zivalelw esibayeni. Igusha kananjalo zingoyika kwaye zibaleke - abantu abazingqongileyo kufuneka bakuqaphele oku.

Lindawo zoboya zinee bhaki, iitrekta, izithuthuthu, iitraki kune nezixhobo zokucheba zeshedi. Abanikazi kune nabasebenzi kufuneka baqinisekise ukuba iintsana ezikhhasayo, abantwana abancinane abasabhadazayo kune nabantwana abancinane bayasuswa ngokukhuselekileyo endleleni xa iimoto zihambahamba.

Abavelisi balungisa umatshini wasefama ukuwugcina ukuba ubekwisimo esikhuselekileyo kune nakwismo esihle



esisebenzayo. Abasebenzi kufuneka bazi indlela yokuwusebenzisa (kwaye bawugcine) ngokukhuselekileyo nangoxanduva. Izithuthuthu zasefama akufunekanga ukuba ziqhutywe ngaphandle kwezigcina-ntloko ezikhuselekileyo kune nezihlangu ezifanelekileyo.

Lishedi zokucheba zikhanyiswe kakuhle kwaye zonke izixhobo zilungiswe kakuhle ukuzigcina zikhuselekile kune nakwismo esihle esisebenzayo.

IIKHEMIKHALI

Iikhemikhali zasefama kufanele ukuba zigcinwe kwiindawo ezitshixiyeo zezitoro zekhemikhali. Ezinye iikhemikhali zooggirha bezilwanyana, njengamayeza okugonya, kufuneka ukuba agcinwe epholile kwaye esoloko agcinwe kwisibandisi esitshixiyeo.

Abavelisi banocoselelo ekusebenziseni iikhemikhali kuphela xa beyalelw. Zonke iinaliti ezisetyenziselwe ukugonya zilahlwa ngokufanelekileyo emva kokusetyenziswa.

UKUTYHILEKA ELANGENI

Amafama oboya asoloko engaphandle. Anciphisa ubungozi bokutyleka elangeni kune nokudinwa bubushsushu ngokunxiba iminqwazi, iihempe ezinemikhono emide kune nezikhuseli-langa. Bakwasela amanzi amaninzi

ukubalekela ukoma.

Ngexesha lasehlotyeni, abavelisi boboya basoloko bengaphandle ngaphambi kwexesha lasekuseni okanye emva kwexesha langokuhlwa xa kupholile.

ABANTWANA KWIINDAWO ZOBOYA

Ifama yoboya inezithuba ezininzi, kwaye abantwana bangaba nolonwabo olukhulu. Bangagcina izilwanyana ezinkulu, njenga mahashe, kwaye babenezithuthuthu njalo. Kusoloko kukho into eninzi yokwenza efama kwaye bangenza imisetyenzana eyahlukeneyo ngaphantsi kokugadwa ngumntu omdala.



UKUNCEDISA NGEMISEBENZI

Abantwana bangathatha inxaxheba ekuhlanganiseni okanye ekuhambiseni iigusha ukusuka kwinkampu enye ukuya kwenye. Ngexesha lokunakekela amatakane, bangakhangela iimazi zeegusha ukujonga ukuba akhona nawaphina asengxakini.

Ngamanye amaxesha kukho amatakne aziinkedama ("hanslammers") afuna ukuncanciswa ngebhotile kangangamaxeshaa amaninzi ngosuku xa esemancinane. Ubisi lwavo lwensiwe nge formula, eyenzelwe amatakane ngokukodwa.

Ngexesha lesigaba sexesha lokucheba ishedi ifuna ukucocwa kwaye uboya buconjululwe. Apha knnjalo, njengokutyisa amatakane, abantwana banganikezelaa ngesandla - kwaye bakonwabele oko.



Abantwana bachaza uboya

Banganceda kananjalo ukuhambahambisa iigusha kwizibaya nasebuhlanti.

Eminye imisetyenzana abangayifumana inomdla iquka **ukuphawula** amatakane, ukumanzia nokunakekela izinja ezincedisa ukwalusa iigusha.

UKUYA ESIKOLWENI

lindawo zoboya ezininzi zikude kakhulu ezidolphini okanye eziekweni. Oku kuthetha ukuba abantwana basoloko benyanzelekile ukuba baye esikolweni kwi hostele (kumzi

wabafundi nabaqeshwa). Emva koko babesekhaya kuphela ngeempelaveki (ukuba ifama kune nesikolo azikho qelele) nasemva koko ngexesha leeholide.

ABAVELISI BABUTHENGISA NJANI UBOYA BABO?

Kwezintsuku isambuku soboya obuchetyiweyo kurhwetywa ngabo ngendlela yeenkampani ezinkulu zokurhweba ngoboya. Eyona persenti inkulu yoboya obuchetyiweyo ithengiswa ngendlela **yenqubo yefandes**. Kanti, abanye abachebi bakhetha ukuthengisa bucala.

Iifandes zibekwe embindini ose Bhayi kwaye zenzeka kanye ngeveki ngexesha lexesha Ionyaka boboya, oluqhuba ukusuka ku Agasti ukuya ku Juni.

Kwisithuba seminyaka uboya boMzantsi Afrika bakha udumo oluhle obuhlelwe kakuhle ngokugqithisileyo nobulungiselelwwe urhwebo.

UKUVAVANYWA KOSINGA

Ikhwalithi yoboya ixhomekeke ngokuphambili kucoleko losinga, ukuveliswa kococeko, amaqondo esimo semifino kunye nokungcoliswa luthuli.

Ngaphambi kwendali nganye isampulu engakhethiyo yoboya iyathathwa kwibhalu ngaline kwaye ilinganiswe ukugqiba ngesiqumla-sangqa sosinga oluphakathi, isiqulatho sesimo semifino kunye nokungcoliswa luthuli. Ezi nkukacha zibonakala kwi khathalogu yesambuku ngasinye esibekelwe ukuthengiswa.

NGUBANI OTHENGA UBOYA BOMZANTS AFRIKA?

Malunga ne 80% yoboya obuchetyiweyo bethu buthunyelwa kwamanye amazwe njengo boyo obumpunyumpunu (obungavaswanga). linkampani ezithenga uboya kwiindali ngamalungu abhalisiweyo oBoya boMzantsi Afrika kunye neManyanao Yabathengi be Mohair (SAWAMBA).

Ezi nkampani zizinzile kakhulu kwaye zinodumo, kwaye zithenga kwaye zixhasa ngezimali eziyi-100% yoboya obuthengwa endalini.



Uboa begusha buboniswe abathengi



AMAGAMA OBOYA

Ngexesha lamaxesha amathanga iKoloni yayiyeyona nabalulekileyo evelisa uboya eMzantsi Afrika. Ushishino Iwegusha Iwanwenwa ngokukhawuleza kwilizwe lonke, kodwa "Uboa base Koloni" yabasisibizo sorhwebo Iwehlabathi lohlobo oluthile sabo bonke uboya obuveliswe kwilizwekazi elingeantsi.

Ngenxa yokuthamba kwabo, Uboa base Koloni bufanele ilaphu lamaxesha okanye impahlia enithiweyo ukuze zivakale zithambile kwisikhumba. I-palette egcweleyo ngokushiyan kwemibala yefashoni efunwa lushishino inokwenzeka ngenxa yombala oqqambileyo, omhlophe woBoya beGusha.

Zithenga uboya ukwenzela iimfuno zabo zokulungisa okanye egameni lezinye iinkampani zoboya zaphesheya kweelwandle.

Ezona ndawo zibalulekileyo zokuthumela kwamanye amazwe zezi: I-China (ukungephi oyena mthengi umkhulu kakhulu), i-Czech Republic, i-India, iJamani, i-United Kingdom, i-Egypt, i-France kunye ne Mauritius.

Iisampulu zoboya zivavanyelwa ikhwalithi

Jonga ngokusondeleyo kusinga loboya

Umoxkelelwano omde wee amino asidi ze Helix

Usinga loboya olunye luqlatthe iindidi ezingama-20 ezahlukeneyo zee amino asidi ezidityaniswe entoko ukuya emisieni ukwenza isakheko somxokelelwano eside se helix samsuntswana eprotini esimalunga ne 400-600 yee amino asidi ngomoxkelelwano ngamnye. I-Keratin kokona kwenzeka kuchaphakileyo kwe protini okufumaneka eboyeni.

I-Protolibris
Umoxkelelwano omde woboya wamsuntswana eprotini uphethene ngokujikilezanzano ukwenza liimbarbo ezbijeneyo ze protolibris ebbijeneyo.

I-Microlibril

Amaqela ee-protolibris asongeleka ngokujikilezanzano ukwenza i-microlibril efana nentonga.

I-Macrolibril

Ii-Microlibrils ziphothe ne ngokujikilezanzano ngokwe phatheni ye helix ukwenza i-macrolibril.

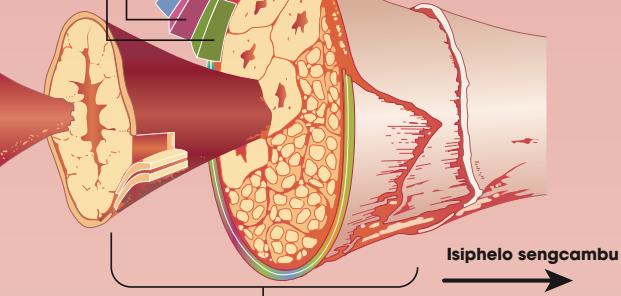
I-Epicuticle

I-Exocuticle

I-Endocuticle

I-Cuticle

I-cuticle egqunyewe lixolo yenziwa ngamaqwe amathathu ubuncinane - kuquka uwewqe iwangaphandle. okanye i-epicuticle elandelwa yi exocuticle kune ne endocuticle.



Cortexkorteks

Ikorteks okanye umphakathi wosinga uqulatthe imiqulu emide esicwewe yeentsinga ezincinane. Inani lemiqulu lihomekeke kwi micron okanye kwisiqumla-sangqa sosinga loboya. Uboya obucoleki leyo bunomqulu ombalwa kunoboya oburhabaxa.

UKWAKHIWA KOBOLA KUNYE NEKHWALITHI

Abavelisi boboya kune nabensi banezbizo ezininzi ezahlukeneyo zokuchaza uboya kuba bohlukana ngokombala, ikhwalithi kune nobude. Oku kwahlukana kuchaphazela ixabiso loboya.

Iisampulu zosinga ukusuka kwiibhali zoboya zingavavanywa ukunika abavelisi boboya kune nemilinganiselo yabathengi echanekileyo.

enjenge siqumla-sangqa sosinga.

Ezi nkukukacha zimalunga nekhwalithi yoboya zinganceda abavelisi ukuba balawule imihlambi yabo kwiminyaka yexesha elizayo. Kukwaluncedo kubathengi boboya abangafuna udidi oluthile lokulungiswa.

Ukuhlelwa ngokweendidi kwee micron zoboya

I-Micron	Ukuhlelwa ngokodidi
<15.6	Ukucoleka gqitha
15.6 – 18.5	Ukucoleka ngokubaleseleyo
18.6 – 19.5	Ukucoleka
19.6 – 22.5	Ukubaphakathi
>22.5	Ukomelela

II-MICRONS

Ii-Microns yimivo esetyenziselwa ukulinganisa isiqumla-sangqa (umgca othe tse owenzeka kwicala elinye ukuya kwelinje) sosinga loboya. I-micron enye yi micrometre enye – isinye sesigidi semeta. Xa kungona kubaphantsi ukubalwa kwe micron yoboya, kungona bucoleka uboya.

I-avareji ye micron yoboya boMzantsi Afrika ihlile kuba kwisithuba seminyaka ukufuywa kwee Merino ziye zafuyelwa ukuya kumvelisi wocoleko kune noboya obucolekileyo. Isiqumla-sangqa sigqiba ngokucoleka komsono ongajikeleziswa ukusuka eboyeni.

Uninzi loboya olusetyenziselwa ukwenza iimpahla lumphakathi kwe 18 kune ne 21 yee microns.

Ngokubhekiselele kwimilinganiselo ye micron, uboya bunendllela ezahlukeneyo zokuhlelwa ngokweendidi ukucoleka gqitha, **ukucoleka ngokubaleseleyo**, ukucoleka, ukubaphakathi kune nokomelela.

WOW UBOYA!



linwele zomntu zinesiqumla-sangqa esimalunga ne 65 yee microns.

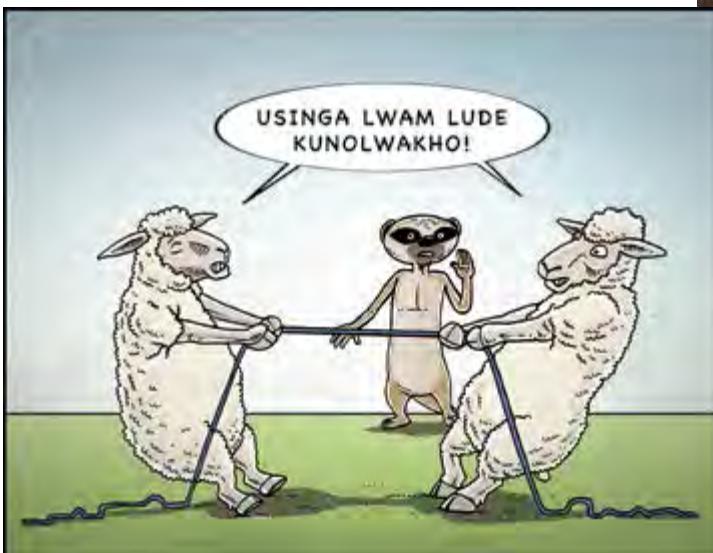
Thelekisa oku kune nesiqumla-sangqa se avareji esinocoleko noko loboya ocoleke ngokubaleseleyo, oluyi 15.6 – 18.5 yee microns.

UBUDE BOSINGA

Ubude bosinga bubhekiselele kubude beentsinga zoboya. Bulinganiswa ngokwee milimitha. Bugqitywa bubude bexesha boboya obukhuliswe buboya kwakunye nendlela enemveliso ngayo igusha ekuveliseni uboya.

Uboa betakane bunobude bosinga obufutshane kunoboya obusuka kwigusha endala.

Ubude bosinga obude buthandelwa iimpahla ezilukiwego ezilungisiwego kusetyenziswa inkqubo yokusebenza ngomsonto woboya obujijiwego. Inkqubo yokulungisa ngomsonto woboya obujijiwego ichaziwe ku p 50.



Ubude bosinga bubude beentsinga zoboya
lintsinga ezomeleleyo zibhetele ekulungisweni koboya



AMANDLA OSINGA

Amandla osinga abhekiselele kubuninzi bamandla afunekayo ukuqhawula usinga. Amandla achaphazela indlela apha uboya buthi bulungiswe, kwanangendlela obungasetyenziselwa yona.

UMBALA

Uboa bendalo obuvasiwego buyohlukana ngokombala ukusuka komhlophe ukuya kokhrimu. Omhlophe kune nokhrimu ungadaywa nangowuphina umbala.

Uboa obumnyama awunako ukuthatha umbala. Ngalondlela abusetyenziswa kulungiso olukhulu loboya.

E-Mzantsi Afrika igusha ye karakul ivelisa uboya obumnyama, obungwevu okanye obumdaka. Lusinga olungumkhetha kakhulu, kwaye lusetyenziswa kakhulu kwii methi.

Imizekelo yezinto ezingangcolisa uboya

Uboya obumibalabala



lintsinga zeenwele ezivela kwezinye ezingezizo iimfuyo zeegusha ezivelisa uboya okanye izilwanyana



Imathiriyeli yentyatyambo enjenga meva, izinti kunye namaggabi



Ubundaka kunye namabala asuka kwisichumisi kunye nomchamo



Izinto ezingafunekiyo ezcinezeleka ngokuzenzelekyo ezinjenge mpahla, iingoba kunye nezikhonkwane nakunya namahaki amabhali



WOW UBOYA!



Ikilogramu yebhali eyi 170 yoboya obumhlopho ingangcoliseka ubuncinane sisinye seshumi legramu loboya obunemibalabala.

UKUNGCOLISEKA

Ixabiso loboya lingachaphazelwa kananjalo lungcoliseko loboya begusha. Abavelisi boboya basebenza nzima ukunciphisa ubuinzi bokungcoliseka zizinto ezingaqhelekanga ezinjengama khakakhaka kunye nemidumba (izinto ezincinci zentyatyambo yetolofiya encamathele eboyeni), okanye amabala obumdaka asuka kwisichumisi okanye emchameni.

Inkathalelo eyodwa iyensiwa ngexesha lokucheba ukuqinisekisa ukuba akukho izinto ezingafunekiyo ezingena ngokuzenzekelayo kumabhali njengokuba uboya bucinezelwa.

UKULUNGISWA

Uboya obususwe egusheni emva kokucheba bubizwa ngokuba buboya obumpunyumpunyu.

Ukulungiswa kucooca uboya obumpunyumpunyu kwaye kubulungiselele ukuze bubenokwenziwa ukuba bubeziintloba ezibanzi zeemveliso.

Kukho iindlela ezaahlukenyero zokulungisa uboya. Oku kuxhomekeke kwinto imveliso yokuggibela ezakubayiyo.

Zombini uboya kunye neenwele ziintsinga zendalo, kodwa ukwakheka koboya kuyenza ukuba isebeziseke nangakumbi kuneet nwele.

Lintsinga zoboya zingenziwa ngobuchule ukuba zilale ngokunxusenyo kakhulu okanye kancinane ukuya kwenye.

Ezintsinga zinxuseneyo emvakoko zingatsalelwa ngaphandle ukuya kubusdudla obufunekayo. Ngaxesha linye ziyajijwa ngokurhangqelana ukwenza umsonto oqinileyo. Lemisonto ingalukwa okanye inithwe ukuba ibengamashiti emathirielyi engasetyenziselwa ukwenza izinto ezinizi: iimpahla, iikhethini, ilineni, iikhaphethi, impahla esetyenziswa kwifenenitshala njl njl

Iintsinga zoboya zingabhijelaniswa kananjalo kwaye zicinezelwe ukwenza imathirielyi efana nelaphu ebizwa ngokuba yi filt. I-Filt isetyenziswa ukwenza iminqwazi, imisebenzi yobugcisa eyahlukeneyo (efana nee brotshi kune neenstimbz zomqala) iimathirielyi zokudambisa isani ziaysetyenziswa, ngomzekelo, ngaphantsi kwee bhonethi zeemoto okanye kwii piyano.



Imisonto ejijiweyo – inikwa ukukanya okongezekileyo ukususa iintsinga ezimfutshane kwaye yenziwe ukuba igude.



Iquka iintsinga – ezimfutshane kwaye isisambuku kakulu ukuba usibambe

A **Ukudibanisa**

Ukudibanisa kuxuba uboya obahlukeneyo kunye. Izilungisi zingadibanisa uboya obahlukeneyo ukuqinisekisa ukuba zinosinga olwaneleyo oluneempawu ezelungileyo ukufanelia iimveliso zokugqibela ezizenzayo. Uboya bungadityaniswa kuzo zombini ngaphambi okanye ngasemva kokukhulwa..

B **Ukukhuhla kune nokwenziwa ukuba ibe sisilahle ngokutshisa**

Ukukhuhla kune nokwenziwa ukuba ibe sisilahle ngokutshisa zizigaba zokuqala zokulungiswa koboya. Phantse konke ukulungiswa koboya kuqala ngesinye, okanye ngazo zombini zalamanyathelo.

Ukukhuhla kuvasa **uboya obuncangathi** ukususa uthuli, ubumdaka kune namafutha (amafutha, abizwa ngokuba amafutha uboya begusha, isetyenziswa ukwenza ezinye iimveliso, ngomzekelo, iikhrimu zokunqanda ukufuma).

Ukwenziwa ukuba ibe sisilahle ngokutshisa kususa isimo semifino. **Inkqubo yoboya** iquka ukwenziwa ukuba ibe sisilahle kuba uboya obusetyenziswa kulenkqubo ineqondo eliphakamileyo leembewu kwaye ingumdumba ukuba isuswe.



Ukukhuhla kucoca ubumdaka kune namafutha ukusuka kuboya begusha

C **Ukuchaza uboya**

Ukuchaza kusebenzisa iirola ezinezimbo-kroma zezinyithi ezininzi ukuqalisa ngokukhulula uboya obukhuhliweyo (obucociwego). Iirola ezinezimbo kromazisebenza kancinane njenge bhrashi zocingo. Igudisa uboya ukuba bubeyinwebu ende, elinganayo ebizwa ngokuba liceba. Ukuchaza kunganceda kananjalo ukususa naziphina iimbewu kune nemidumba eseleyo kuboya.



Ukuchaza kukhulula uboya ukuba bube liceba elide

D **Ukutsala**

Ukutsala kutweza okanye kutsalela ngaphandle umphezulu woboya ukwenzela ukuba bubebude kwaye bublelicwecwe. Emva kokutsala, umphezulu woboya ubizwa ngokuba **kukunaba**. Ngoku kuphela ukuba ilungele ukuba ngumsonto woboya..



Ukutsala kwenza umphezulu ubelicwecwe ukuba kubengumsondo woboya

UKULUNGISELELA UBOYA UKUBA BUBE NGUMSONTO

Kukho iinkqubo ezimbini eziphambili zokulungisa uboya ukuba bubeyimisonto: inkqubo ejijiweyo kune nenkqubo yoboya.

Inkqubo ejijiweyo isebeenzisa iintsinga zoboya obude ukusuka kuboya begusha. Ukulungisa okujijiweyo kuquka izigaba ezininzi kwaye buvelise umsonto wekhwalithi ephezulu. Olu udidi lomsonto lukhangeleka lugudile kwaye lucocekile.

Umsonto ojijiweyo usetyenziswa ekwenzeni amalaphu akhaphukhaphu kune neemathiriyeli.

Izambatho ezakhwe ngokucolekileyo, ezigudileyo zenziwe ngomsonto ojijiweyo. Oku kuquka iisuti zeshishini zamadoda, izilamba ezesengangathweni zabafazi, ilokhwe, iimpahla zemidlalo kune nezinxibo zangaphantsi.

Malunga ne 80% yoboya boMzantsi Afrika bulungiswa ngendlela yenqubo ejijiweyo.

Inkqubo ejijiweyo isebeenzisa iintsinga zoboya ezimfutshane ejijiweyo, ezinjengee **locks** nokungqezula. Ukulungisa uboya kuquka izigaba ezimbalwa kwaye kuvelisa umsonto osisambuku. Oku kunikezela ngelaphu elinomgangatho owakheke kakhulu xa kuthelekiswa nomsonto ojijiweyo.

Umsonto woboya usetyenziswa ukwenza amalaphu anobunzima kune neemathiriyeli. Idyasi, iikawusi kune neengubo zisoloko zisenziwa ukusuka kumsonto woboya.

Malunga ne 20% yoboya boMzantsi Afrika bulungiswa ngenqubo yoboya.

E I-gilling kune nokukama

I-gilling kune nokukama zisetyenziswa kwinkqubo yokulungisa ejijiweyo ukuqhubeuka ngokugudisa kune nokukhulula uboya.

I-gilling ibandakanya ukutsalwa kweceba loboya ngendlela yekama erhabaxa (enamazinyo avulekileyo) enamazinyo anceda usinga loboya ukuba lulandeletlane kwicala elifanayo (ukunxusana).



Iceba loboya obukanyiweyo libizwa ngokuba ngumphezulu

Ukukama kusebenzisa ikama enamazinyo acolekileyoukugcinaukugudiswakoboya. Ukukama kukwasusaiintsingazoboya ezimfutshane (i-noils).

Iceba elikanyiweyo libizwa ngokuba ngu mphezulu. **Umphezulu** ugudile kuba wensiwe ngeentsinga zoboya ezinde ngoku ezilandeletlane ngokucocekileyo kwicala elifanayo.



Ukugrila kulungelelana iintsinga ngaphambi kokukama

F Ukusonta

Ukusonta kuyaqhubeaka ukunciphisa ukubasidudla kokunaba. Ikwayiphotha ukuba ibophe iintsinga kune kumsonto woboya oqhubekayo..



Ukusonta kuphotha iintsinga ukuba zingumsono woboya oqhubekayo.

G Ukujika umbala

Ukujika umbala yinkqubo yokufaka umbala kusinga kuzo zombini iindawo zokulungisa ejijiweyo kune nenoboya.

Uboa bungajikwa umbala njengoboya obukuhuliweyo, imiphezulu, umsonto, kune nelaphu okanye nokuba iye yenziwa isambatho.



Ukunitha okujikelezayo kwenza izambatho ezinjengee kawusi



Ukuluka kwenza iipaneli ezicambaleleyo zelaphu



Ukunitha okujikelezayo kwenza izambatho ezinjengee kawusi

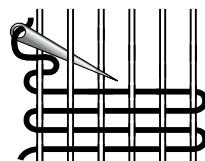
UKWENZA UMSONTO UBELILAPHU

Emva kokuba uboya bulungisiwe ukuba bubengu msonto bungensiwa ilaphu. Ilaphu lingensiwa ngokuluka umsonto okanye ukunitha imisonto. Imveliso zokugqibela zizakubanee mpawu ezahlukeneyo, kuxhomekeke ekubenii zilukiwe okanye zinthiwi.

UKULUKA

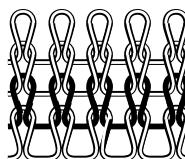
Ukuluka kwenza ipaneli ecambaleleyo ukuba kubelilaphu ngokwenza imisonto ibezihalni ngaphezulu nangaphantsi komnye. Eminye imisonto inyuka isehla kwisiqwenga selaphu, kwaye eminye imisonto ihamba ngokunqamlezayo ukwenza iphatheni yokuluka.

Imisonto ehamba ngobude belaphu ibizwa ngokuba yimisonto yo "mchako". Imisonto ehamba ngokunqamlezayo kwilaphu ibizwa ngokuba yimisonto "enqumlezayo".

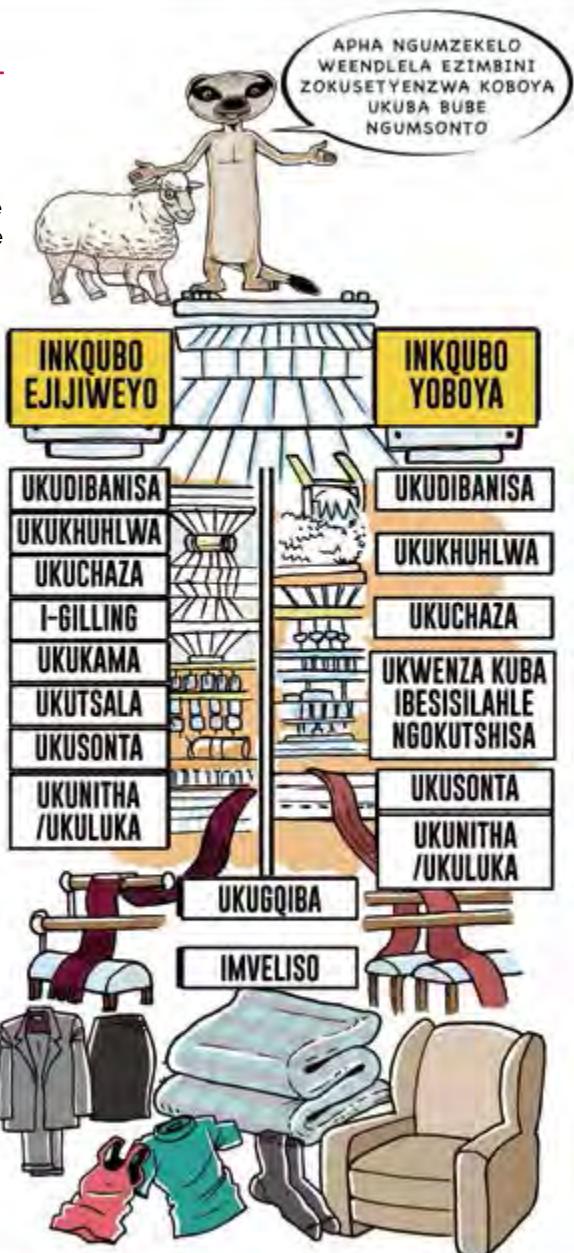


UKUNITHA

Ukunitha kwenza ilaphu ngokusebenzia uludwe Iwezirhinyeli ukubopha isinye okanye ngaphezulu kwemisonto kunye.



Ukunitha kungenza iipaneli ezicambaleleyo, okanye ityubhu ezijikelezayo zelaphu. Ityubhu ezijikelezayo ezinithiweyo azinayo imithungo ngoko ke zingenzelwa ukuvelisa izinto ezinjengee kawusi Ukunitha kusenokwenza iziqwenga ezakheke ngokucambaleleyo, ezithi emva koko zidityaniswe ngaphandle kokusikwa ukwenza iimveliso ze mpahla enithiweyo.



INTO EYINYANISO ENOMNTSALANE

Kude kube semva kwe18 yenkulungwane yeminyaka, abantu babelungisa uboya ezindlini zabo. Umveliso ngamnye angacoca, achaze uboya, akame, ajikelezise uboya babo. Ushishino lwashenxiselwa kwimizi-mveliso ngexesha Lovukelo Lwamashishini kwaye oomatshini bathathela indawo iinkqubo eziqhelekileyo zokusebenza ngezandla.



BUSETYENZISWA NJANI UBOYA?

Iindawo ezizodwa zoboya zenza kufaneleke ukusetyenziswa ngeendlela ezahlukeneyo.

Uoya busetyenziswa ukwenza impahla kuquka izinxibo zemidlalo, iisuti zeshishini, izambatho zefashoni, iimpahla ezinithiweyo kunye nezinxibo zangaphantsi. Bungasetyenziswa ukwenza iimpahla ezifudumeleyo kananjalo neempahla ezigcina umntu epholile ekutshiseni.

OBULUKIWEYO KUNYE NOBUNITHIWEYO

Uoya boMzantsi Afrika obuninzi bulungiswa ukuba bubengu msonto, othi ulukwe okanye unithwe ukwenza ilaphu lekhwalithi ephezulu kunye nezambatho.

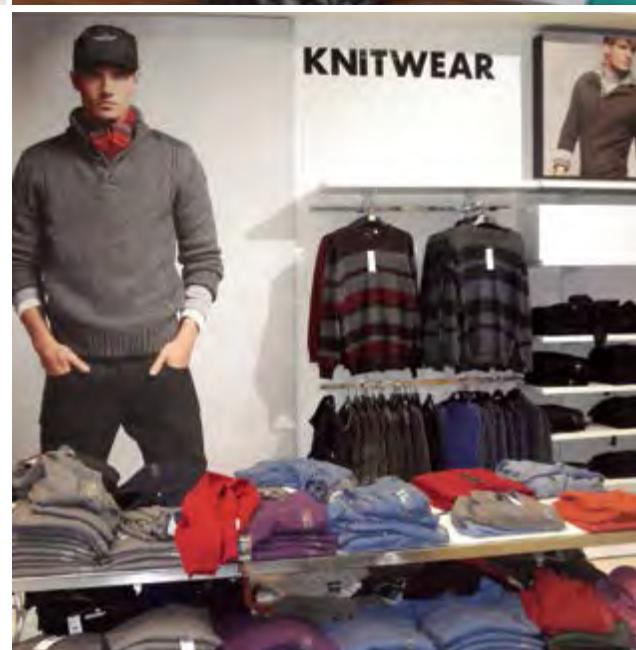
Uoya bunokutwabuluka bendalo. Ngoko ke bungatweza kwaye emva koko bubuyele kwisakheko sabo sokuqala.

Uoya bungenziwa bubezii ndidi ezahlukeneyo zomsonto kunye nelaphu kuxhomekeke kwisiphelo sokugqibela sabo. Ezinye imveliso zoboya kunye neempahla zikhaphukhaphu, ezinye zinzima.

OBUNGALUKWANGA

Obunye uboya benziwe ukuba bube ziimveliso ngaphandle kokweza umsonto kuqala. Ezi zibizwa ngokuba ziimveliso ezingalukwanga. Uoya obungalukwanga bungasetyenziswa njenge sigcwalisi kwii dyuvethi kunye nemiqamelo, kwimiphetho yezilamba okanye kwizinto zokusula, izihluzi, iifanitshala zekhaya kunye naseku gqumeni.

Ifeliti, ngomzekelo, yimveliso engalukwanga. Iintsinga zoboya ziyabhijelaniswa kwaye zicinezelwe.



Uoya be Merino busetyenziswa ukuvelisa iimveliso zempahla yekhwalithi ephezulu





Abaphumeleleyo ku Khuphiswano Iwase Kapa Iwe Zikhafu Zoboya: U-Laume, u-Madri kune ni Odet van Wyk

IFEKTRI YOKUKAMA

Abakami boBoya be Cape of Good Hope (CGH) abakwindawo eseTinarha kufuphi ne Bhayi kukuphela kwefektri yokukama okuphezulu kweceba loboya eMzantsi Afrika. Yaqaliswa ngo 1948 kwaye iyinxeny ye Qela le Segard Masurel.

Le fektri iyakhuhla, ichaze uboya, ikame uboya ukuba bube yimphezulu yoboya njengokuba kuchaziwe ekuqaleni.

Utyelelo Iwezinkqubo lungalungiselelo ngolungiselelo Iwexesha kwaye ingaba ngamava anomda.

Tyelela iwebhusayithi yabo u- "<http://www.segardmasurel.com>" ukufunda ngokuphangaleleyo malunga neqela okanye ukuqhagamshelana nabo.

IFEKTRI YOKULUKA

I-Hinterveld iseTinarha kufuphi ne Bhayi Empuma Koloni. Iyifektri yokwaluka eyenza amalaphu (iimpahla ezilukiwego) ukusuka kuboya be Merino kune ne mohair (esuka kwibhokwe ye angora).

I-Hinterveld yeyeqela leenkampani ze Stucken. Elikela line 150 yobudala beminyaka kwaye liqhutwy sisizukulwana sesi-6 – ngokumangalisayo kuthlekiso oluncinane loqoqosho olufana noMzantsi Afrika.

Ilaphu labo lisetyenziswa ukwenza iingubo kune nezikhafu. Uninzi Iweemveliso zithunyelwa kwamanye amazwe kubathengi ehlabathini jikelele. Inkuthazo yeengubo zabo kune neempahla eziphoswa emagxeni, phakathi kwezinye, iingubo zezityalo ezinjenge ngqolowa zabe Suthu, iingubo ezitshileyo ezi orenji zesi Xhosa kune neengubo ezimibalabala zesi Ndebele.

U-Laduma Ngxokolo, ekune ne logo yakhe ethi MaXhosa waziwa kwihi labathi jikelele njengo myili wee mpahla ezinithi wego). Brawuza iimpahla zakhe zentsingiselo ku "<http://www.africanknitwear.com>".

I-Hinterveld ukuba iyile iintlobontlobo zeengubo ze mohair eziphindha ngeloxesha ubuhle bendalo beMpuma Koloni.



Le yindlela eqhuba ngayo i-Hinterveld malunga neshishini loboya:

- uboya buthengwa kwii fandes
- uboya buvaswa kwaye bukanywe kwifektri yokulungisa, i-Gubb & Inggs
- uboya bujikeleziswa bubeyimisonto kwifektri yokujikelezisa, Abajikelezisi be Mohair boMzantsi Afrika (MSSA)
- uboya bujikwa umbala kwaye bulukwe ukuba bublelaphu eHinterveld.

lifektri ezintathu ze Hinterveld zime ecaleni kweny.

UKULALA OBENTLOMBE NGAPHANTSİ KOBÖYA BEGUSHÄ

Kubusika buka 1981 u-Andrew kune no Wendy van Lingen babanosana kwifama yoboya yabo ese Karoo eSunnydell kwii Ntaba ze Sneeuberg ("u-sneeuberg uthetha intaba yekhephu"). Ebusika ingabanda kakubi – nangona inegama lelanga lefama! U-Wendy wavasa kwaye wakama uboya begusha kwaye wabuthunga phakathi kweziqwenga ezimbini. Phakathi kwiiyure usana olusandulukuzalwa Iwakhuseleka ngokupheleleyo ngaphantsi kwedyuvethi efudumeleyo, ekhaphukaphu nengenayo i-aleji. Njengokuba usazi ukuba kunjani, ingaba awazi? (Kwaye njengokuba ufunda kwiphepha lesi-5 uboya bufudumele ebusika, kwaye bukhaphukaphu kwaye bupholile ehlotyeni.)

Xa abahlobo babebona indlela eyasebenza kakuhle ngayo idyuvethi encinane bafaka ii-odolo. Ishishini lasekhaya lakhula kwaye kungekudala u-Wendy wabandakanya abafazi babasebenzi. Okulandelayo wathenga amavili ajikelezayo, izinto zokuchaza uboya kune nesilukiso esincinane, kwaye waqequesha abafazi. Okokuqala abafazi benza iijezi ezijkeleziswe ngezandla. Ngeloxesha zonke iidyuvethi eMzantsi Afrika zazensiwe ukusuka kusinga olungelulo olwendalo okanye izigcwalisi ezintywilsela phantsi. Umsebenzi wanda ngokukhawuleza. I-Sunnydell yahambisa izilukiso kune nazo zonke kwi Temple Farm apho ishishini ledyuvethi laqhubela phambili khona.

I-Sneeuberg ngoku ikwindawo ese Middelburg. Imihlambi ihambahamba ngokukhululekileyo kwi Temple Farm apho indlela ye "clean green" yinqobo esesikweni yendalo yeshishini. Amachiza (amayenza) emfuyo angaphakathi nangaphandle asetyenziswa ngoqoqosho kuphela xa kungekho umkhethethe.

I-Sneeuberg (<http://www.sneeuberg.co.za>) yenza iidyuvethi zoboya kune nemiqamelo, kwakunye nokugquma.



likaphethi
lingubo



Ukunyanga ngamayenza



lifanitshala



lidyuvethi kune nemiqamelo



UPHANDO KUNYE NOPHUHLISO

Abaphandi bakhangela ngokuqhubeleko iindlela ezintsha zokuphucula iimveliso zoboya kunye nokuvuselela iimfuneko zabathengi zoboya.

Ndiyabulela kuphando ilaphu loboya ngoku lingaphathwa lula noko ukuba Iwensiwe luhlambeke ngomatshini kwaye lome ngokukhawuleza. Ilaphu loboya liye labanokuxhathisa nangakumbi ekushwabaneni. Lifuna uku ayinwa okuncinane okanye ukunga ayinwa. Abantu abaphapha rhoqo ngokunqamleza amazwekazi bepakisha izinto zoboya. Emva kweeyure kwisutikheyisi bungakhutshwa kwaye bunxitywe, bufanelekile kuyo nayiphina indibano okanye ukuphuma.

Abaphandi bavelisa ngokungatshintshiyo iimpahla ezilukiwego ezintsha ezenza ezona mpawu zoboya, nokuba ngamalaphu oboya obuyi 100% okanye njenge midibaniso nezinye iintsinga.

E-Mzantsi Afrika uphando Iwensiwa ngamaziko ahlukeneyo, kuquka iiyunesithi kunye ne Bhunga Lophando Lwezolimo (ARC).

Uphando kwiimpahla ezilukiwego kunye nobugcisa bokulungisa zenziwa Libhunga Lwenzululwazi kunye Nophando Loshishino (CSIR) kwiimpahla ezilukiwego zabo nakwii lebhu zemathiriyeli eBhayi.

Ezi lebhu zikwaphicotha ukusonjululwa kwengxaki kunye nolawulo lwekhwalithi Iweentsinga, imisonto kunye namalaphu. Esinye seixhobo sisikene somzimba kunye ne mannequin yerobhotti ukulinganisa ukubila.



Abathengisi bavavanya iimveliso zoboya be Merino ukuphucula ikhwalithi yezambatho

Indwalutho yeshishini kunye nosasazondaba u-Jo-Ann Strauss, ubuka imilibo yeenkunzi zegusha



UKUDIBANISA NEZINYE IINTSINGA

Uboa bungadityaniswa nezinye iintsinga ukugcina amancedo oboya kunye nokunkira imveliso yokuggibela iimpawu ezahlukeneyo.

Abanye abavelisi badibana uboya nezinye iintsinga zendalo njengoboya obuthambileyo bebhokhwe obuveta eAsia ukwenza iidyasi kunye neempahla ezinithiwego. Uboa busenokudityaniswa kunye neentsinga ezidityanisiwego ezinjenge lycra ukwenzela amandla amakhulu okanye ukuhlala ixesha elide. limathiriyeli ezidityanisiwego zophuhliso olutsha ezsuka kwintlaka edityaniswe kunye noboya kunye nezinye iintsinga zendalo. Ezi zisetyenziswa kwinqwelo-moya nakumalungu eemoto.



ABAYILI BEFASHONI ...

Abayili befashoni babalulekile ekudibaniseni phakathi komvelisi woboya kunye nomthengi. Basebenzisa iimathiriyeli ezenziwe ngabayili beempahla ezilukiwego ukwenza izinto ezsuka kwiimpahla ezidumileyo ukuya kwezodidi ezingenasphele kubathengi.

NGUBANI OSEBENZA KUSHISHINO LOBOYA? -----

Ushishino loboya loMzantsi Afrika lunikezela ngamawaka emisebenzi kuwo wonke

umxokelelwano wokuxhobisa: Ukusuka kubasebenzi basefama ukuya kubalungisi kunye nabathengisi.

Abavelisi boboya soloko beqesha kwaye besebenza nabanye abantu njengaba phathi bemfuyo, izazi ngemihlaba (abantu abaziincutshe kulawulo lomhlaba), ababhali-zimali, oomakhenikhi, abathunywa bemfuyo, abathengi boboya kunye noogqirha bezilwanyana.

Inkqubela phambili yobomi kushishino loboya



Umvelisi woboya



Abarhwebi boboya



Umphathi wemfuyo



Umchebi



Umyili weempahla ezilukiwego



Umcebisi wobuchule woboya



Ababonisi-mpahla babonisa ngomsebenzi wabayili befashoni



KUTHENI UBOYA BUBALULEKILE?

Uboa bubalulekile kubathengi kuba lusinga Iwendalo oluneentlobontlobo ezibanzi Iweempawu eziluncedo.

Ukucoleka kosinga loboya be Merino benza ukuba buthambe kwaye bunikezele ngokugquma. Uboa be Merino bucolekile kunezinye iindidi zoboya kwaye buvakala bunobunono xa bunxitywe esikhumbeni.

Amaqweqwe amancinane kusinga ngalunye anceda iimveliso zoboya ukuba zigxothe (zibhebhetho) amanzi kwaye zixhathise amabala. Ukutwabuluka koboya kubuncheda ukuba bubambe isakheko sabo kakuhle kwaye buxhathise ukushwabana.

Uboa "buyaphefumla" kananjalo. Oku kuthetha ukuba bungafunxa umbilo kwaye bubukhuphele emoyeni. Oluphawu luncheda iimveliso zoboya ukuba bubambe amavumba (amavumba amabi).

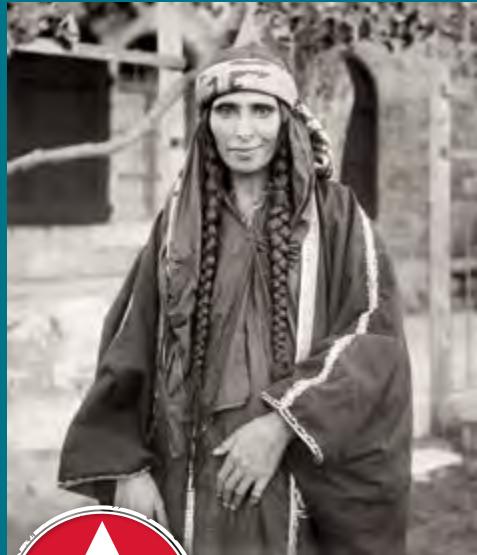
Uboa bunento obuyenzayo kutshintsho Iwe themprisha yomzimba ukuba bubambe ukufudumala xa kubandayo kodwa, xa kushushu, bungakhupha ukutshisa kunye nokufuma.

Uboa bufunxa ukufuma okuvela emoyeni obubenza ukungephi ukuba buchasane nokungemi. Ngalondlela kungangathandeki ukuba "buncamathele" xa bunxityiwe.

Uboa bufanelekile ukuba busetyenziswe ehlotyeni kuba bubonelela ngokhuseleko Iwendalo Iwe UV (30+) kunye nokugquma.



Uboa lusinga oluxhathisayo emlilweni, obuluncedo empahleni kwakunye nemveliso efana nokugquma indlu.



Ngubani okugcina ufdumele



Uboa buyaxhathisa emanzini



Uboa buyawulibazisa umlilo



INTO EYINYANISO ENOMNTSALANE



Intlanga ezhambahambayo nezhambahamba ngokungaggibelelanga ze Bedouin zenthango yase Sinai zazizigquma ngoboya kangangee nkulungwane zeminyaka. lithemprisha kwi Sinai zingohlukana ukusuka ngaphantsi kuka ziro ukuya ngaphezulu ko 40° kumaxesha ahlukaneyo onyaka. (Zama kwaye ufune intlango ye Sinai emephini. Icebo: iphakathi kwe Afrika kunye ne Asia.)

IMIZEKELO YEENTSINGA ZENDALO KUNYE NEZIDITYANISIWEYO

Ayizizo zonke iintsinga ezizintsinga zendalo njengo boyo. Ezinye iintsinga zenziwe ngabantu kwaye zibizwa ngokuba zezidityanisiweyo. Kumaxesha akutsha nje iintsinga ezidityanisiweyo bezisetyenziselwa izinto ezithile uboya obabuqhele ukusetyenziselwa bona,

njengee mpahla kunye neengubo.

lntsinga ezidityanisiweyo zenziwe kwii lebhu. Kukho iindidi ezimbini zee ntsinga ezidityanisiweyo - iintsinga ezingezizo ezendalo kunye neentsinga ezidityanisiweyo zokwenyani.

IINTSINGA ZENDALO

lntsinga zendalo zisuka ngqo kwizilwanyana kunye neentyatyambo. lntsinga zendalo eziphambili ezsuka kwizilwanyana ezisetyenziswa ngabantu ziquka:

- uboya obusuka egusheni
- l-mohair esuka kwiibhokhwe ze angora
- uboya begusha be alpaca obusuka kwii alpacas
- isilika esuka kwimisundululu yesilika
- uboya bomvundla obusuka kwimivundla ye angora

lntyatyambo ezinikezela ngosinga ziquka:

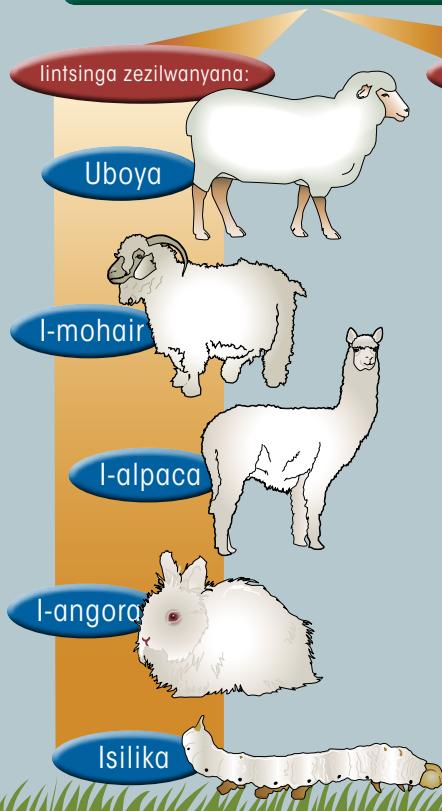
- umqaphu
- iflekisi
- l-hemp

lntsinga zendalo **zinokuboliswa**

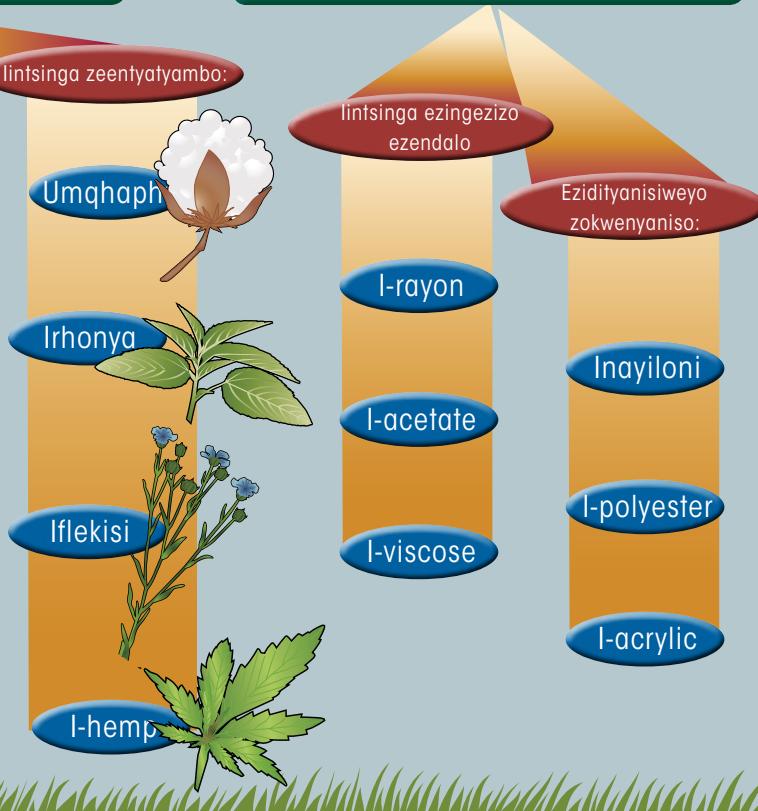
ziintsholongwane kwaye zisuka **kubutyebi** **obuphinda busefyzenswe**. Ukuba into ayinako ukuboliswa ziintsholongwane, ayinako ukwahlukana kwaye ihlale ikwindlela efanayo kangange sigaba xesha elide. Xa izinto zingahlulahlulwa, zingcolisa ummandla.

Njengokuba iimveliso ezinokuboliswa ziintsholongwane zingahlulahlulwa zongeza izondlo emhlabeni.

lntsinga zendalo



lntsinga ezidityanisiweyo



IINTSINGA EZINGEZIZO EZENDALO

lintsinga ezingeziwo ezendalo, njenge rayon kanye ne acetate, zenziwe ukusuka kwikharbhoni equulathe iikhompawundi (izinto ezincinane) ezibizwa ngokuba yi cellulose efunyanwa kwintlama yomthi. Nangona intlama yomthi "iyinto yendalo", i-rayon kanye ne acetate azizizo ezendalo ngenxa yokulungisa okubandakanyekayo ekuzenzeni.

IINTSINGA EZIDITYANISIWEYO

lintsinga zenyanozenziwe ukusuka kwiikhemikhali zepetroli (izinto ezibhekiselele kwi oli) Usinga lwenyaniso olwaveliswayo lwaluyi nayiloni.

Ezidityanisiweo zenziwe ngokunyibilika imathiriyeli kanye nokuyitsalela kumsonto omde ngokuyityhala ngeendlela zemingxuma emincinane epleytini (i-spinneret).

Ezidityanisiweo zidumile kuba ngokubanzi zixabisa kancinane ukuzenza. Zingahlala

ixesha elide kwaye zibekhaphukhaphu, kodwa zineempawu zokugquma zomgangatho ophantsi kanye nokuxhathisa okuphantsi emililweni.

lintsinga ezidityanisiweyo ezininzi ziyanbilika xa zidibana namalangatye. Kwiimveliso ezithile, njengee pijama zabantwana, oku kungaba yingozi kakhulu.

NDINGA-ZITHENGA PHI IIMVELISO ZOBOYA?

limpahla zoboya ziyafumaneka kuzo zonke iindawo zempahla. livenkile ezininzi zemidlalo kanye nezobomi bangaphandle zithenga iimpahla zemedlalo ye Merino. Ukuba abanazo iimveliso zoboya, buza ukuba kutheni? livenkile zeekhethini ezintle kanye nelineni kufuneka ukuba zibenee ntlobontlobo lwezinto zoboya ezifana nee dyuvethi, imiqamelo kanye neengubo.

INTO EYINYANISO ENOMNTSALANE

Usinga lokuqala olungelulo olwendalo – isilika engeyiyo eyendalo – yaveliswa ngo 1855. Yayibizwa ngokuba yi rayon. Oludityanisiweyo lokwenyaniso lokuqala – inayiloni – lwenziwa ngo 1939. Inayiloni yayisetyenziselwa intambo yokuloba, izititshi zotyando, amazinyo ebrashi yamazinyo kwaye emva kwexesa, ngokudume kakhulu, iikawusi zenayiloni.



Uboa obujikwe umbala ngesandla kanye neemveliso ze Cowgirlblues

Idyuvethi zoboya ngu Sneeuberg



limpahla ezithengiswe eMzantsi Afrika ezsuka kuboya be Merino



INDLELA YOKUFUMANA UBOYA BEKHWALITHI

U-Mzantsi Afrika yayingomnye wamalungu asungula i-International Wool Secretariat (IWS). Lombutho wanyusela uboya kulo lonke ihlabathi kwaye yaqalisia i-Woolmark eyaziwa kakhulu.

Ngo 1997 i-IWS yadibana nombutho woboya wase Australia kwaye yaba yi Nkampani ye Woolmark. Iligunya lehlabathi ngoboya be Merino. Ikwayeyo hlobo Iwe Woolmark kanye nosetyenziso lweelaysensi kwangokunjalo.

UKUNAKEKELA UBOYA

Imveliso zoboya kulula ukuzinakekela kodwa umntu kufuneka esoloko ekhangela ileyibhuli ukujonga ngokuchanekileyo indlela yokwenza oku. Ukuba ulandela imiyalelo yokunakekela iimveliso zakho zoboya zizakuhlala zikwisimo esihle kangange minyaka emininzi. Emva kokunxiba iimpahla zoboya soloko uzibethisa ngomoya, okanye uziwase ngokunxulumene nemiyalelo ye leyibhuli. Bhrasha okanye ulungise nabuphina ubumdaka kanye namabala ngoko nangoko.

Soloko ukhupha izinto ezipokothweni ngaphambi kokubeka impahla kude, okanye iipokotho zizakudumba kwaye zitwezeke kwaye zibe wakuwaku, zibekude ukusuka kwisakheko sayo sasekuqaleni. Ngamanye amaxesha kubhetele ukomisa iziqwenga ezithile zempahla ngokuzibeka ngokucambeleleyo, kunokuzineka, ezinokubangela ukutwezeka kananjalo.

Ezinye iimveliso zoboya zifuna ukuvaswa ngesandla kwaye ezinye zifaneleke kakuhle ukudrayklinwa. Ezinye zivaswa ngomatshini. Ngesiqhelo, uboya bufaneleke kakuhle ukuvaswa kumanzi adikidiki okanye kwabandayo (angaze abeshushu!) ukubuthintela ekushwabaneni.

IMIYALELO YENKATHALELO KWII LEYIBHULI ZEMPAHLA

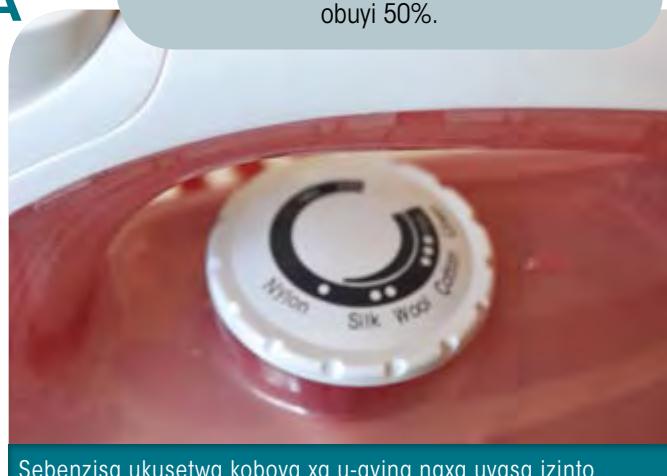
Ezinye iileyibhuli zempahla zinemiqondiso ekuxelela ngendlela yokunakekela isambatho sakho. Apha zezimbalwa. Khangela ukuba ungfumana ezinye.

lilogo ze woolmark zixelela abathengi ukuba loluphi uhlobo lweemveliso abazithengayo

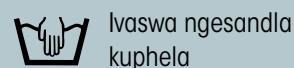
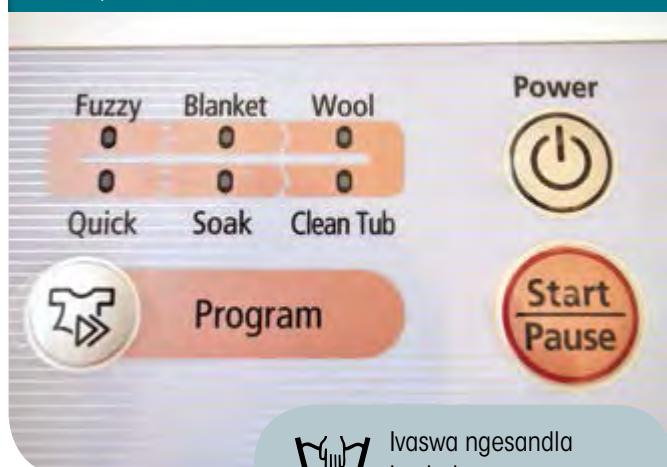


I-WOOLMARK Oku kuthetha ukuba into yoboya yenziwe ngoboya obuyi 100%..

Ukudityaniswa kwe WOOLMARK Oku kuthetha ukuba into iqulathe ubuncinane uboya obuyi 50%.



Sebenzisa ukusetwa koboya xa u-ayina naxa uvasa izinto ezinoboya



Ivaswa ngesandla kuphela



Kufuneka idrayiklinwe ngamachule



Ivaswa ngokokusetwa koboya



I-ayinwa ngokokusetwa kobushushu obuphakathi (okanye uboya)



Ungasebenzisi ibhlitshi



Yomisa ngokokusetwa kobushushu obuphantsi



limbadada zefeliti yoboya

NDINGENZA NTONI NGOBOYA?

Ukunitha kulula kakhulu xa ungabubamba. Ukuba awunako ukunitha, funa umntu omdala ukuba akufundise. Qalisa ngokufunda ukudibanaisa izititshi kwinaliti yokunitha kwaye emva koko uziqhelanise nezititshi ezimbini ezisisiseko: ukuphelisa kanye nokuphica. Nokuba zeziziseko ungenza ii-beanies, izikhafu, iijesi, iingutyanu, izinto zokudlala ezithambileyo, iikhushini . . uluhlu alupheli. Ukuba kukho mntu kusapho lwakho ongakunceda, zama iskolo sakho okanye ilayibrari yasekuhlaleni. I-inthanethi kananjalo inee sayithi ezalhukeneyo zokukufundisa ukusuka ekuqaleni.

Apha zizinto ezimbini zokuba uzenze – umnqwazi wesilo-qabane kanye negusha enithiwego entle encinane ye Merino. Zgcinele yona, iklasi yakho okanye yenze njenge sipho somnye umntu – ingabisiso esabantwana kuphela, kodwa abantu abadala bazakuzivuyela nje lula. Xa uthe waziqhelanisa kwaye imveliso ikhangeleka kakuhle, kutheni ungayithengisi okanye urhwebe ngayo?



UMQWAZI WESILO-QABANE

Oku kokuzaku kufuneka:

- uboya obumibalabala
- ikhadibhodi
- izikere
- ipensile
- iikomityi okanye iibhotile zokulandeleta izangqa
- iglu
- izinto ezincinane kunye neziqwenga ezifana nezicoci zemibhobho, izivunguli, iziciko zeebhotile, amaso, amaqhosha kunye neemathiriyeli zezinto ezilahliweyo zokugqibezela kunye/ okanye ukuhombisa.

Qokelela yonke into ozakuyifuna ukuba ibekunye ngaphambi kokuqlisa.

Ukuba uziva ungaqinisekanga cela umntu omdala ukuba afunde imiyalelo kwaye akukhokele kuzo. Ibenye ngexesha.

Oku kokuzakwenza:

1. Thatha ikomityi okanye ibhotile (ikhampasi ehamba ngambini) ukulandeleta umphetho wesangqa kwisiqwenga sekhadibhodi eqinileyo.
2. Landeleta isangqa esincinane kweyokuqala. Oku kwenza isangqa, esikhangeleka njenge doughnut. Sika isibini sezi. Beka enye phezulu kwenye. Ngoku unesangqa esinye esisdudla se "doughnut".
3. Sika malunga ne 1 yemitha yoboya. Songela ngokuqinileyo ngokungqonge isangqa esisdudla se "doughnut". Ncamathela kwisakheto esingqukuva. Ungabujija uboya bakho ukuba bubeyi bhola encinane kwaye wenze iirhali edlula emngxumeni njengokuba usebenza.
4. Phinda inyathelo lesi-3 de ungabinako ukufaka uboya odlula kwiminxuma.
5. Sebenzisa izikere ukusika ngocoselelo uboya phakathi kwezangqa zekhadibhodi. Kungafuneka umntu omdala ukuba akuncede.
6. Bophelela ubude boboya ngokuqine kakhulu ngaphakathi faka isijiki sombala kwizangqa ezimbini zekhadibhodi. Yenza amaqhina kwiziphelo ezimbini zoboya. Susa ngocoselelo izangqa.
7. Khupha ngaphandle umnqwazi kwaye usike naziphina iziqwenga ezinamathele kakhulu.
8. Ngoku sebenzisa zonke izinto ezincinane kunye neziqwenga ezifana nezicoci zemibhobho, izivunguli, iziciko zeebhotile, amalaphu ezinto ezilahliweyo, amaqhosha okanye amaso ukunika i-pompom yakho iingalo okanye imilenze (okanye zombini), amehlo, iindlebe, uncumo - nokuba ngumnwazi.
9. Ukuba wenza isibini okanye ngaphezulu kwe pompom ungazibophelela kunye ukwenza iididi ezahlukeneyo zezilo-qabane.



IGUSHA YE MERINO

©DANA BIDDLE

Oku kokuzaku kufuneka:

- I-50 yeegramu zoboya obusiqhukuvana (obushinyenyo) be Merino, okanye umsono to woboya odityanisiweyo ofanayo. Ngombala wendalo.
- izinto ezilahliwego zomsonto ogudileyo ukwenzela ubuso
- ukuhlolahla okuyi 30 yeegramu
- I-5 mm yeenaliti zokunitha
- uboya okanye inaliti ye tapestry
- izikere

Oku kokuzakwenza:

Kumzimba wegusha

1. Dibanisa izititshi ezingama 30.
2. Nitha imigca engama 40 ngokwesititshi segatha (oku kuthetha ukuba unithe umgca ngamnye).
3. Ngaphambi kokusika umsonto, shiya umsila omalunga ne 30cm.
4. Thatha inaliti ye tapestry kwaye wenze iirhali kwindlela yeztitshi eziseleyo kwinaliti yokunitha.
5. Susa inaliti yokunitha, tsala umsonto ukuba uqine ukuqokelela isiphelo.
6. Stitsha imithungo apho imiphetho idibana khona, kuyo yonke indlela ukuya kutsho kwelinje icala.
7. Hlohla umzimba kancinane.
8. Faka umsonto kwisititshi esidibayano esingqonge umphetho wesiphelo esivulekileyo, tsala ngokuqinileyo kwaye uphelele apho.

Kwintloko yegusha

1. Dibanisa izititshi ezili-14.
2. Nitha imigca emi-4.
3. *Imigca emi 2 elandelayo:* Dibanisa izititshi ezi 3 kwaye unithe ukuya esiphelweni somgca.
4. Nitha imigca eli-12.
5. Ukudibanisa.
6. 1 Dibanisa izititshi ezili-14.
7. *Umgca woku-1:* Ukunitha
8. *Umgca wesi-2:* Ukuphelisa kwesi-3, nitha ukuya kutsho kwizititshi ezi-3 zokugqibela, ukuphelisa kwesi-3
9. *Umgca wesi-3:* Ukunitha
10. *Umgca wesi-4:* ukuphelisa kwesi-3, nitha ukuya kutsho kwizititshi ezi-3 zokugqibela, ukuphelisa kwesi-3



11. *Umgca wesi- 5:* Ukudibanisa kwesi-3, nitha ukuya kutsho kwisiphelo somgca
12. *Umgca wesi- 6:* Ukudibanisa kwesi-3, nitha ukuya kutsho kwisiphelo somgca
13. 7 Sebenza imigca eli-12 kwistitshi seekawusi (oku kuthetha ukunitha umgca omnye, nitha umgca omnye).
14. Ukudibanisa.
15. Stitsha iziqingatha ezi-2 zentloko kune. Shiya isithuba sokuhlolha. Hlohla umzimba kancinane. Lumkela ukunga
16. hlohli iindlebe.
17. Vala umthungo.
18. Beka intloko kumphambili womzimba, ngaphezulu komngxuma oseleyo ukusuka ekudityanisweni komphetho. Stitsha ukuyibamba ukuba ihlale.

Umsila

1. Dibanisa izititshi ezili 14.
2. Nitha imigca emi-6.
3. Ukudibanisa.
4. Beka umsila kumva womzimba. Stitsha ukuyibamba ukuba ihlale.

Imilenze (Kufuneka wenze zibe-4.)

1. Dibanisa izititshi ezi-6.
2. Nitha imigca emi-6.
3. Ngaphambi kokudibanisa, shiya umsila omalunga ne 20cm. Sika sika umsonto
4. Faka umsonto ngokungqonge imiphetho yesikwere kwaye udibanise.
5. Beka imilenze kumzantsi womzimba kwaye ustitshe ukuyibamba ukuba ihlale.

*(Ngegusha yethu sisebenzise uboya obucolekileyo obusontwe ngesandla be Merino ukusuka ekusontweni ngombala, ngombala wendalo. Ifumaneka ku Dana Biddle, igcisa losinga, umphuhli si we phatheni kune nomboneleli owaziwa jikelele kwhlabathi lobugcisa kune namalaphu. Yiya kwi webhusayithi uku odola uboya okanye umangaliswe nje zizinto azenzayo:
www.colourspun.com)*

INZULULWAZI YOBOYA

Kuzakufuneka

- Izikhongozelo ezi-2 ezifana twatse. Kufuneka zibenako ukuthwala malunga ne 250 – 300 ml
- ikawusi yoboya enkulu ngokwaneleyo ukuba ibambe isinye sezikhongozelo
- ijagi encinane yokulinganisa
- iiglasi ezi-2 ezifanayo
- amanzi
- ufileleleko kwisibandisi

Imiyalelo elula yamanyathelo:

1. Faka ileybhuli esithi "uboya" kwisikhongozelo esinye kwaye kwesinye esithi "ulawulo".
2. Gcwalisa izikhongozelo ngobuninzi bamanzi obulinganayo.
3. Beka izikhongozelo kwisibandisi. Zishiye ubusuku bonke.
4. Khupha izikhongozelo mgaphandle kwesibandisi. Beka sibesinye kwikawusi yoboya kwaye ubophe umphezulu wekawusi ngesiqwenga somntya okanye irekeni. Shiya zombini izikhongozelo kwindawo ekhuselekileyo. (Qinisekisa ukuba asishiyi amabala amanzi etafileni okanye eshelufini!)
5. Linga malunga neyure e-1. Ngocoselelo ngoku khupha ngaphandle isikhongozelo ngaphandle kwikawusi yoboya.
6. Jonga kuzo zombini izikhongozelo. Uqaphela ntoni?
7. Galela amanzi kwisikhongozelo ngasinye phakathi kwiiglasi ezi-2. Jonga amaqondo amanzi kwiglasi nganye.
8. Galela amanzi kwiglasi yokuqala kwijagi yokulinganisa. Bhala phantsi kwisiqwenga sephepha ngokuchanekileyo ngendlela olinganisa ngayo amanzi. Lahla amanzi. Ngoku galela amanzi kwiglasi yesibini kwijagi yokulinganisa. Kwakhona bhala ngokuchanekileyo ubuninzi bamanzi.



KUSEBENZA NJANI OKU?

Uboya sisigqumi esihle. Isikhongozelo ebekwembe kwikawusi yoboya sihlale sibanda kuba uboya bebugqume umkhenkce. Ngamanaye amazwi ayinyibilikanga. (Ithemprisha engqongileyo ngaphandle nokuba wenza oku kulinga izakuchaphazelisa isantya sokunyibilika komkhenkce.) Isikhongozelo ngaphandle kwekawusi asinaso isigqumi ngoko ke umkhenkce omninzi unyibilikile.

IMIMANGALISO YOBOYA KUNYE NEZINTO EZIYINYANISO ZOBOYA BEGUSHA -----

Ukusukela kumaxesha amandulo uboya badlala indima ebalulekileyo kwii nkubeko ezininzi. Babusetyenziselwa ngokubanzi iimpahla, ibhedi kanye nemathiri yendlu.

Uboya kanye nembali yamandulo

Uboya baqalisa ngaphambi kwembali ebhalwe phantsi. Abantu bakudala babezinibisa ngezikhumba zoboya zeegusha zasendle ababezi zingela kwaye bazibulalele inyama yazo. Idyasi yegusha, bayibhaqa, ukuba yayihlala ixesha elide (isisinxibo esomeleleyo) kwaye inokusetyenziswa kwizinto ezininzi (yayinokutshintshelwa imisebenzi emininzi). Yayingafani nolunye usinga abalaziyo. Yayibakhuela kuzo zombini ubushushu kanye nengqelete, kanye nakumoya nemvula.

Yayibagcina ipholile ngexesha losuku, kodwa ikwafudumele ngexesha lobusuku obubandayo.. Okungaphezulu, yayinokufunxa ukufuma ngaphandle kokuba ubumanzi kwisikhumba.

Abantu bakudala babesele qhelaniswe nomsebenzi wasekhaya igusha (bayenza yabambuna kwaye bayigcinela imveliso) ngo 10 000 BC. Kodwa nangaphambili ilaphu loboya lalijijwa kwaye lilukwa ziintlanga kumZantsi we Yurophu.



Uboya begusha begolide

Kwintsomi yama Grike Uboya begusha begolide buyaziwa. Uboya begusha busuka kwinkunzi yegusha eyayinegama elide nelinomdla, u-Chrysomallos, kwaye wayeneempiko (umfo onethamsanqa!).

Ngokumalunga nentsomi u-Jason, inkokheli yee Argonauts (ibhantshi yamagokra amaGrike), yahamba ukuyakukhangela uboya begusha benkunzi yegusha bobugqi ukuze izuzele kuyo isitshaba se illocus sikitata wakhe, u-Kumkani u-Aeson. Kodwa okokuqala kwakufuneka ukuba asuse esihlalweni umalume wakhe, u-Pelias. Ukuze enze oku u-Jason kanye nee Argonauts kwakufuneka ukuba bathathe uhambo oluyingozi lokubanga uboya begysha begolide buka Chrysommalo, obabugadwe ligongqongqo. Emva kwemiceli-mngeni emininzi u-Jason kanye nee Argonauts babuya noboya begusha kwaye utata wakhe wabuyiselwa esihlalweni.



lintsomi ngamabali amadala ezithethe, soloko emalunga nezinto ezigqithe ezendalo okanye izehlo. Abantu beva ngalamabali kwaye bawaphindaphinda kubantwana babo, kwizizukulwana nakubanye abantu. Injongo yeentsomi kukusinceda ukuba siqonde ngeemvakalelo zethu kanye nokuziphatha, indalo, imbali kanye nobomi ngokubanzi. Nayiphina inkubeko lineentsomi zalo kwaye kanye zonke iintsomi zibizwa nge mitholoji.



Uboya bomkhosi

Uboya babusetyenziselwa iiyunifomu zamajoni ukusuka kumaxesha amandulo. Ama Grike amandulo ayephetha izigcina-ntloko zavo ngefeli yoboya kwaye imikhosi yamaRoma (amalungu ecandelo kumajoni amandulo amaRoma) ayesebenzisa ifeliti ukwenza iipleyti zezifuba zabo. Ifeliti lilaphu elithambileyo elenziwe ngokurola kanye nokucinezela uboya (okanye naluphina olunye usinga olufanelekileyo) ngelixa usebenzisa ukufuma kanye nobushushu, okubangela ukuba usinga luphithane kanye.

Iiyunifomu zomkhosi walamaxesha ziluka izinto ezinjengee hempe zangaphantsi kanye neevesti ezenziwe ngosinga olukhaphukhaphu kanye noludityaniswe noboya.

U-Shrek

Uqanjwe emva komlinganisi ohlekisayo u-Shrek, inkabi yegusha ye Merino yase New Zealand, wabanodumo kwihlabathi emva kokubalekela ukubanjwa (ngokuyakuzimela emiqolombeni) kwaye wacheba kangange minyaka emithandathu.

Emva kokubanjwa kwakhe nge 15 ka Apreli 2004 wachetywa ngemizuzu engama-20 kuphela. Ukuchetywa kwasasazwa kumabonakude wesizwe wase New Zealand. Uboa bakhe babuqulathe uboya obaneleyo ukwenza iivesti zamadoda angamashumi amabini. Emva koko wathathwa wasiwa kwipalamente yase New Zealand ukuya kuhlangana nomphathiswa.

U-Shrek waba yi ayikhoni edume kakhulu e-New Zealand. Wafa xa wayeneshumi elinesithandathu ubudala beminyaka. Ngokoko ke, u-Shrek! incwadi, umdlalo bhanyabhanya kune nomculo azinxulumenanga nenkabi yegusha u-Shrek.



Olona singa lude kakhulu

Inkabi yegusha yase Australia yafunyanwa e-New South Wales (indawo yase Australia) emva kokulahleka kangangeminyaka emihlanu. Emva kokuba yathi yachetywa usinga loboya lwaluyi 460 mm ubude

ii-baseballs

Uboa usetyenziswa ekwenzeni ii-baseballs eziqhelekleyleo zase Melika. Umphakathi wesivingco okanye werabha usongelwe ngokuqinileyo malunga ne 200 yeemitha zomsonto woboya – okokuqala uqweqwelo 4-ukuxhaswa ngoboya, ilandelwe ngamaqweqwe amabini esi-3-sokuxhaswa ngoboya. Uboa bunika ibhola ifongqofongqo. Emva koko oku igqunywa ngesingxobo esisitiishiyeo sesikhumba. Uzakufumana izishunqwana ze vidiyo kwi inthanethi ukujonga indlela eyenziwa ngayo i-baseball.

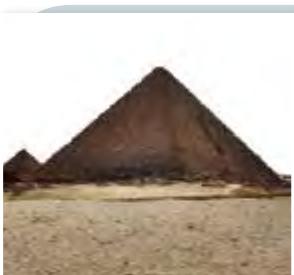


Okunye malunga namabhali oboya

Amabhali oboya abubo bonke ubukhulu bomgangatho: 750 mm ubude kune ne 750 mm ubunzulu. Isicinezeli siqinisekisa ubukhulu obuchanekileyo. Xa ithe yagcwalswa kwaye yacinezelwa iibhali ziavalwa phezulu.

Ushishino loMzantsi Afrika lunemigangatho ukuqinisekisa ukuba wonke amabhali alungiswe ngendlela efanayo. Kwenza lula ukupaththa kune nothutho. Amabhali akanako ukubangaphezulu kwe 1 250 mm kwaye kufuneka abenobunzima obuphakathi kwe 110 – 180 kg. Kuxhomekeke kubukhulu begusha, kuthatha malunga nama-50 oboya begusha obuguguthiyeo ukugcwalisa ibhali loboya.

Uninzi loboya bethu buthunyelwa kwamanye amazwe ngeenqanawa. Ukunciphisa ubuninzi besithuba somthwalo kuyafuneka, amabhali oboya aycinezelwa kwaye abotshwe ngemitya esinyithi. Lamabhali athunyelwayo emva koko ayapakishwa kwizikhongezelo zeenqanawa ukuba athuthwe. Ukucinezela amabhali omgangatho kutetha ukuba isikhongezelo esinye singalungela ukuya kutsho kumabhali oboya angama-96 okanye malunga neetonzi ezili-15 zoboya.



E-Yiphutha

Uboya babujikwa umbala ngemibala eyahlukeneyo – kuquka obomvu, oluhlaza okwesibhakabhaka, omthubi kune noluhlaza okwengca – ngexesha Lobukhosie Obuphakathi (2040 BC ukuya kutsho ku 1640 BC). Usetyenziso Iwabo Iwanwenwela kwixesha lembali ye Graeco-Roman. Babuxatyisiwe ekwenzeni iimpahla eyayingakhuselekanga kuphela, kodwa ikwantle.

UBOYA KUNYE NOLWIMI

Ngaphambi kwephewha (elabhaqwa ngama China kudala ngaphambi kokuba sazi) ababhali kanye nabafundi benza inyamfunyamfu ngentyatyambo ye papyrus ukwenza umgangatho ocamboleyleo nowawuvakala kancinane njenge phepha. (Ingaba uyawubona umdibani selwano phakathi kwamagama upapyrus kanye ne phepha?)

Kodwa xa igatyana elalibizwa ngo William Caxton wakha isishicileli sokubhala

lokuqala eNgilani nge 15 yenkulungwane yeminyaka yayenziwe ngobukhulu kanye nesakheko sesikhumba segusha. Isikhumba segusha kakhulu okanye kancinane siluxande ngesakheko xa somisiwe kwaye sitsalekile, "Xa iphepha lathi laziswa okokugqibela lalisensiwa ukuba lilungele izishicileli zokubhala, kwaye sisizathu sokuba zombini isicatshulwa osifundayo kanye nencwadi esiqulathe yona zixhomekeke egushe," uyachaza u-Mark Forsyth encwadini yakhe malunga nolwimi Iwesi Ngesi.

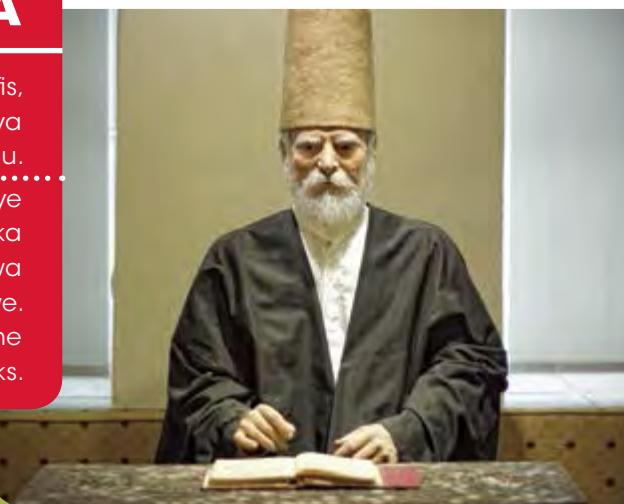


U-William Caxton ubonisa ngemizekelo yokushicilela kwakhe



AMAGAMA OBOYA

- li-mystcs zama Muslim zibizwa ngokuba zii sufis, mhlawumbi kungenxa yezambatho zoboya abazinxibayo. U-Suf uthetha uboya ngesi Arabhu.
- Ukuba ukwi tenterhooks unemvuseleleko kwaye ungxaele into ese zakwenzeka. Igama lisuka kwintshabalalo yomthi, i-tenter, isetyenziselwa ukutweza izikhumba zegusha ukuze kushicelwe. Isikhumba segusha sasigcinwa sivalekile kwaye sithe mthaba kwi tenter ngee tenterhooks.



EZINYE IINTETHA ZESINGESI EZINXULUMENE NOBOYA

- Ukwenza amehlo egusha komnye umntu, okanye ukuphosa amehlo egusha komnye umntu = Ukubase luthandweni.
- Ukubayingcuka kwisikhumba segusha = Ukuzenza omnye umntu/enye into ongeyiyo. (Isuka eBhayibhileni , Matewu 7:15)
- Ukwahlula iigusha kwiibhokhwe = Ukugweba. (Kwakhona eBhayibhileni , Matewu 25:32.)
- Ingcuka emnyama yosapho (okanye iqela) = llungu losapho/iqela elithathwa njenge hlazo kolosapho/kweloqela
- Njenegegusha elahlekileyo okanye njenge gusha ethe yaduka = Ukubangaphandle kwenkokheli (Ibhayibile, 1 Peter 2:25)
- Ukubamnono njenge takane = Ukubanobubele Nenkathalo; ukungabikho rhabaxa okanye ubundlobongela.
- Omnye umntu litakane = Omnye umntu uziphatha ngokuphakathi, uzolile

- okanyeakanatyala.
Ukukhokelwa njenge gusha eyakuxhelwa = Ukuya engozini ngaphandle kwako nakuphina ukuxhathisa. (Icatshulwe eBhayibhileni: Isaya 53:7)
- Ukutsala uboya ngahezulu kwamehlo omnye umtu= Ukungcatsha omnye umntu.
- Ukuba uyigusha ungumntu ophembeleka lula nokhokelwa ngabanye abantu.
- Abantu kwibandla labashumayeli basoloko bebhkiselela kubo njenge zimvu zakhe, iigusha zakhe.



U-Baa baa uya kwi dijithali ...

Ngo 1951 Imvano-siphelo yegumbi labantwana eyaziwayo yesiNgesi u-“Baa, baa, gushe mynaya” yayingenye yeengoma ezimbi zokuqala ezakhe zacgcinwa ngokwe dijithali kwaye zadlalwa kwi khompyutha. (Enye ingoma yayingu “In the mood”.)

Le mvano-siphelo yabantwana yashicilewa okokuqala kwi Tommy Thumb's Pretty Song Book ngo 1744. Le yeyona ngqokelela indala kakhulu ephilayo kwiimvano-ziphelo zegumbi labantwana yowlimi lwestiNgesi. livesi (amagama) zaziphantse zifane ngqo njengezo zaziculwa ngabantwana ababhadazayo kune nabaphambi kwesikolo kulo lonke ihlabathi namhlanje.

Ezinye iincutshe zembali zithi ingoma ekuqaleni yahalelwu ukukhalaza malunga nerhafu enzima kuboya Kumaxesa Aphakathi ase Ngilani. Omnye umthombo

wolwazi uthi ibhekiselele kurhwebo lobukhoboka.

Baa, baa, gush' emnyama,
Unabo uboya?
Ewe, nkosi, ewe, nkosi,
Lingxowa zintathu;
Enye yeyeNkosi,
Enye yeyenosazana,
Enye yeyenkwenkwenkwanza encinane
Ngubani ohlala ezantsi kwendledlana.



Abavelisi boboya balawula iindawo zabo ukunciphisa naluphina ungquzulwano kummandla

INGABA UKUVELISWA KOBOYA KUYAWUCHAZELA UMMANDLA? -----

lintsapho ezivelisa uboya eMzantsi Afrika zazisoloko zikwii ndawo zazo kangange zizukulwana ezininzi. Ukukhathalela **ummandla** kubalulekile kuzo njengokuba kunjalo kubathengi abathenga uboya bazo.

ligusha ayizizo **ezemveli** kuMzantsi Afrika kwaye azityi iintyatyambo ezifanayo njengezilwanyana zethu emveli (ezifana nebhadi okanye iindlovu ngomzekelo). Ngoko ke abavelisi boboya babenethuba lokutshintsha iindawo ezithile kwimbonakalo-mhlaba yendalo ukuvelia uboya obaneleyo kubathengi zombini apha kune naphesheya.

Abavelisi boboya bacingela izinto ezininzi xa belawula uboya babo. Oku kuquka imfuyo, umhlaba, iintyatyambo ezikhoyo zemveli kune nezilwanyana kwakunye nemozulu etshintshayo.

Ukukhusela nokulondoloza ummandla ukwenzela izizukulwana zexesha elizayo, abavelisi boboya balawula imhlaba yabo, amadlelo, imfuyo kune namathafa emveli ngocoselelo. Basebenza nabaphandi kune nabacebisi ukufumana iindlela ezbhetele zokulawula umhlaba kwaye babonelele abathengi kananjalo ngeemveliso abazifunayo.



Abalungisi boboya bawkwacingela ummandla ngexesha lokulungisa uboya. Balawula ngocselelo ukulawula nokunciphisa naziphina iimveliso zenkunkuma kwaye basoloko besebenzisa iikhemikhali ngokhuseleko.

ULAWULO LOMHLABA

Umhlaba kufuneka ukuba ubesempilweni ukukhulisa amadlelo avelisayo okutyisa iigusha. Abavelisi boboya balawula imihlaba yabo ngocoselelo kakhulu kuba yenze yobutyebi bendalo obubaluleke kakhulu.

Ezinye zeendlela ezisetyenziswe ngamafama okuqala eMzantsi Afrika zibeneempembelelo ezimbi kumhlaba wethu. lindlela zaziswa ngabemmi kwilizwe elitsa bokuqala ukusuka eYurophu kwaye zange zifanele ummandla woMzantsi Afrika. Isiphumo, kwiindawo ezinkulu zelizwe, ngumhlaba okumgangatho ophantsi, okumgangatho ophantsi ngezondlo, kanye nokuphela kwamatyholo endalo, ityholo, ingca kanye(okanye imithi. Oku kungabangela

ukhukuliseko olubi.

Ukhukuliseko kukududulwa komhlaba, amatye okanye isanti ngamanzi okanye umoya. Ngesiphumo, xa kunethayo, amanzi ayabaleka nje kwaye awaphumeli kwaye ondle umhlaba. Isenokukhokelela kwisiskhukula kanye nokufa kwazo zombini abantu kanye namanzi.

Abavelisi boboya babesebenza kanye nabaphandi kangange mishumi eminyaka ukufumana iindlela ezibhetele zokulawula umhlaba woMzantsi Afrika. Imihlaba yethu isoloko ine asidi, i-saline (unetyuwa) kwaye ukhukuliseka lula. Abavelisi bayazi oku kakuhle kakhulu kwaye balawula ezizimo ngocoselelo.

UKUBANE ASIDI KOMHLABA

Imihlaba ene asidi ingabane tyhefu kumadlelo amaninzi kanye nezilimo.

Ngokucothayo ekuhambeni kwexesha umhlaba ngokwendalo uba ne asidi. Kodwa imisetyenzana ethile ingabangela umhlaba ukuba ubene asidi ngokukhawuleza kakhulu.

Imihlaba yase Mzantsi Afrika isoloko inezondlo kwaye abavelisi kufuneka bongeze izichumisi ukunikezela ngezondlo ezaneleyo kumadlelo kanye nezilimo ukuba zikhule.

Ukongeza isichumisi se nayitrojin ukuya emhlabeni kunganyusa ubu asidi. Abavelisi boboya bakwangeza inayitrojin xa bekhulisa izilimo ezinemidumba kanye namadlelo, kwaye xa besusa amadlelo ngendlela yokutyisa

emadlelwani okanye imveliso yesikhotha, okanye iinkozo ngexesha lokuvuna.

Enye ye nayitrojin esuka kulemisetyenzana itshintsha ibezii nitrates kanye ne asidi emhlabeni. Ukuba iingcambu zifunxa ii-nitrates, umlinganiselo we **acidification** uyacotha. Ukuba iintyatyambo azisebenzisi i-nitrate ingavuza ngendlela yomhlaba, iwushiya une asidi kakhulu.

Abavelisi boboya balawula ubu asidi boboya ngokusebenzisa imilinganiselo efanelekileyo yesichumisi, ngokukhetha amadlelo **onyaka ngonyaka** azinzisiwego ukufunxa ii-nitrates kanye nokongeza ikalika emhlabeni ukulwisana nobu asidi



INTO EYINYANISO ENOMNTSALANE

Ubu asidi bomhlaba bulinganiswa ngesikali esingu pH. Umhlaba one asidi Une pH ka 3.5, umhlaba ophakathi ngu 7.0, kwaye umhlaba one alkaline ngu 8.5..

Uyilo lolawulo lomhlaba luka Mnu Malusi

- hlola ubu asidi bomhlaba ngezivavanyi zomhlaba zarhoqo
- velisa inkqubo yosetyenziso lwekalika lwee nkampu ezinokuwa kwamaqondo e-pH (ngamanye amazwi, ukunyuka kobo asidi bomhlaba)
- sebenzisa isichumisi ukungqamelanisa isilimo kanye neemfuno zedlelo
- sebenzisa amadlelo onyaka ngonyaka ukunceda ukulawula inaytrojin yomhlaba egqithileyo eveliswa yimidumba efana ne lucerne kanye ne clover
- Ukunciphisa ukususwa kwemveliso ukugcina isigqumo somhlaba ngokugcina isikhondo sesilimo kanye nokutyisa isikhetha kanye ne fula yesisele ukubuyela kwiinkampu xa kunokwenzeka



UBUTUWA

Ubantuwa bomhlaba owomileyo kukuhamba kwetyuwa ukusuka kubunzulu emhlabeni ukuya kumphezulu womhlaba.

Ityuwa kumanzi angaphantsi nakumphezulu womhlaba kungangeni kwiindlela zamanzi ezifana nemilambo kune nemisinga. Oku kungachaphazela imilo yeendlela zamanzi kune nezilo ezikuwo.

IINDIDI ZOBUTUWA

Ubantuwa bungenzeka ngokwendalo kodwa kusenokunyuswa yimisetyenzana yabantu. Kwimimmandla eyomileyo, umhlaba wendalo kune nobantuwa bamanzi buxhaphakile. I-species zeentyatyambo ezininzi kwezindawo ziziqhelanise namaqondo etyuwa yendalo ekuhambeni kwexesha kwaye zikhula kakuhle.

Ubantuwa bungabangelwa yimisetyenzana yabantu. Oku kungenzeka xa **izilimo** **zonyaka** kune namadlelo zithathela indawo iintyatyambo onyaka ngonyaka.

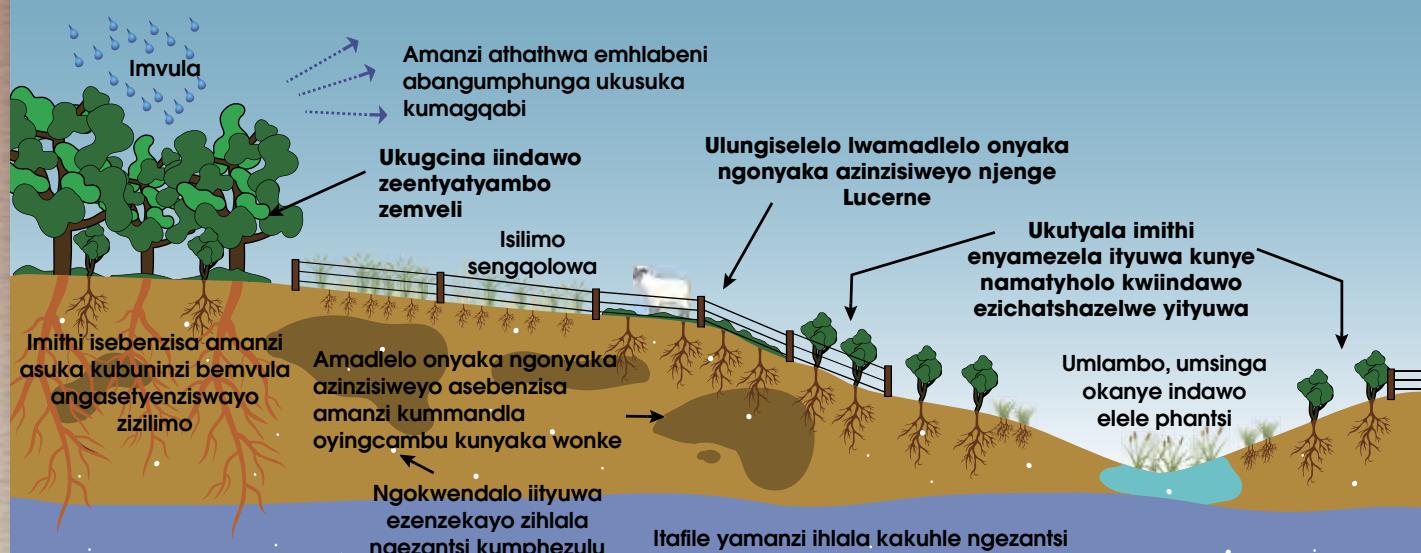
Iintyatyambo zonyaka zisebenzisa amanzi



amaninzi kangako njenge zonyaka ngonyaka. Oku kubangela itafile yamanzi (amanzi angaphantsi komhlaba) ukuba anyuke. Njengokuba itafile yamanzi inyuka, izisa ityuwa kumphezulu womhlaba.

I-species zeentyatyambo ezininzi ezikhula kwiindawo zinokukhula kobutyuwa azinko ukumelana namaqondo etyuwa anyuka ngokukhawuleza.

Indlela abavelisi boboya abalawula ngayo ubantuwa bomhlaba owomileyo



UBUTYUWA BULAWULWA NJANI?

Abavelisi boboya balawula ubutyuwa ngokugcina iindawo zamathafa emveli. Bakwatyala imithi kanye namatyholo ngokungqonge iinkampu ezicociwego. Ezindawo zemithi kanye neentyatyambo zemveli zisebenzisa ubuninzi benvula obungafunwa ziintyatyambo onyaka. Oku kugcina itafile yamanzi kakuhle ingaphantsi kumgangatho womhlaba.

Abavelisi boboya abaninzi bakwakhulisa amadlelo onyaka ngonyaka azinzisiwego njenge Lucerne. Lamadlelo asebenzisa

amanzi unyaka wonke, akufani nezilimo zonyaka ezisebenzisa kuphela amanzi ngexesha lonyaka lokukhula kwazo.

Abaphandi bajonge ispecies zamadlelo onyaka ngonyaka ezifanelekileyo njengokutya kweegusha. Oku kuzakunika abavelisi boboya iintyatyambo ezininzi ukukhetha kuzo. Izakuqinisekisa kananjalo ukuba kukho iintyatyambo ezifanelekileyo ukukhula kwiintlobontlobo zeendawo ezahlukeneyo.



INTO EYINYANISO ENOMNTSALANE

Ukutshintsha kwemozulu xa kudibene nokusetyenziswa okunyukileyo kwamadlelo onyaka ngonyaka, njenge lucerne, kunciphisa umngcipheko wobutyuwa bomhlaba owomileyo ukuba bunwenwe kwiindawo ezithile.

UKHUKULISEKO LOMHLABA

Xa imvula enkulu okanye engaguquguqukiyo kanye/ okanye ihambisa umhlaba ingabangela ukhukuliseko

lingcambu zezityalo zinceda ukubamba umhlaba kanye.

Xa iintyatyambo zisusiwe kananjalo, amathuba okhukuliseko ayenyuka. Iintyatyambo zikwabonelela ngokhuseleko olusuka emoyeni. Kwimimmandla yendalo, iintyatyambo zonyaka ngonyaka zigquma kwaye zikhusele umhlaba ukusuka emoyeni kanye namanzi konyaka wonke.

Imvula ingaakuqela lula ukuhla kwimizila yeegusha kwaye ikhukulise umhlaba. Ukutyisa emadelweli kangange xesha elide kakhulu kuveza umhlaba. Ngalondlela abavelisi abavumeli iigusha ukuba zitye nakweyiphina indawo. Bahambisa iigusha ukusuka kwinkampu enye ukuya kwenye ukuqinisekisa ukuba amadlelo aneleyo asele ukugquma umphezulu womhlaba. Oku kuthintela okanye ukutyisa emadelweli kanye nokhukuliseko.

Abavelisi boboya bakwatyala iintyatyambo zonyaka ngonyaka hayi njengokutya kodwa kananjalo ukukhusela umhlaba unyaka wonke.

Ulungiselelo lobutyuwa bomhlaba owomileyo luka Mnu Malusi

- ukugcina iindawo zamathafa emveli
- amatyholo eentatyambo onyaka ngonyaka kanye nemithi ngokungqonge iinkampu okanye njenge hlathi elityaliwego
- ukukhulisa amadlelo onyaka ngonyaka azinzisiwego

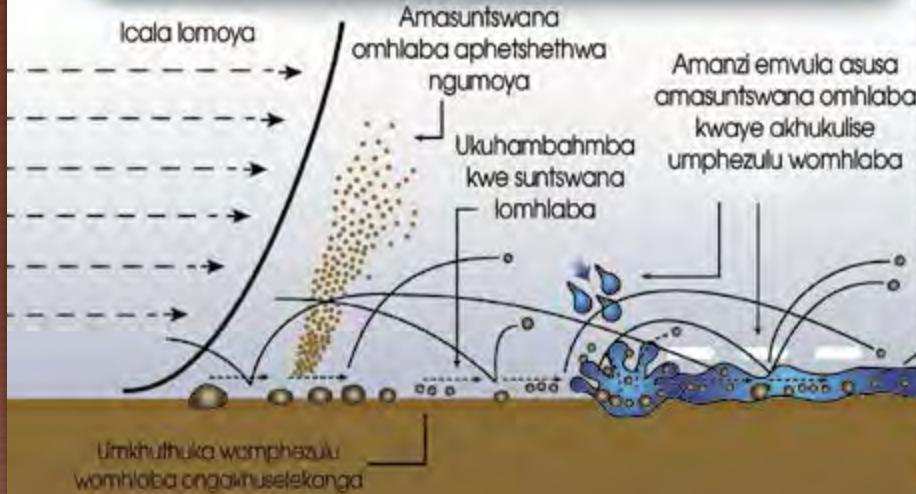


Ukulawula imihlambi kwiinkampu ezahlukeneyo

umhlaba ekutyiswe kuwo ngokugqithileyo ungabangela ukhukuliseko lomhlaba



Umphezulu womhlaba ongakhuselekanga



Umphezulu womhlaba okhuselikileyo

lcalal lomoya

Intyatyambo kanye namadielo zikhusela
umphezulu womhlaba

Indlela olwenzeka ngayo ukhukuliseko
lomhlaba kanye neendlela Intyatyambo
ezikhusela ngawo umhlaba

lingcombu zincedlo ukubombwa omasuntswand
omhlaba ukuba abekunye

Indlela olwenzeka ngayo ukhukuliseko lomhlaba kanye nendlela iintyatyambo ezikhusela ngawo umhlaba



Uyilo lolawulo lohukuliseko lomhlaba luka Mnu Malusi

- tyala amadlelo onyaka ngonyaka ukukhusela umhlaba unyaka wonke
 - lawula ukutyisa emadlelweni ukuqinisekisa ukuba kukho amadlelo aneleyo aseleyo kumphezulu womhlaba ukuwukhusela emoyeni nakukhukuliseko lwamanzi
 - tyala amatyholo kanye nemithi ngokungqonge iinkampu ukuuzikhusela kukhukuliseko lomoya.

INTO EYINYANISO ENOMNTSALANE



Abavelisi boboya abaninzi batyla imigca yemithi kunye namatyholo abizwa ngokuba "zizaphuli-moya" ukukhusela iinkampu zabo ukusuka kukhukuliseko lomoya. Isaphuli-moya esisidala singanciphisa isantya somoya nge 70%.

ULAWULO LWENKUNKUMA

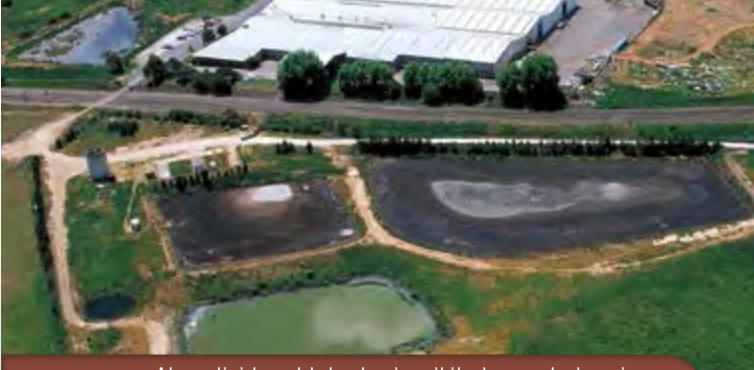
Abavelisi boboya bajolise kungqubano lommandla olunciphileyo. Ukukuhla uboya kususa ubumdaka kune namafutha ukusuka kuboya obumdaka kushiye uboya obucocekileyo kune namanzi ayinkunkuma. Ukulungisa okungokunye emva kokukuhla kukwavelisa inkunkuma elawulwa ngocoselelo ukukuthintela kubangele iingxaki zommandla.

Amanzi ayinkunkuma aqulathe zonke
izingcolisi ezicocwe ukuphuma eboyeni.

- ukuqukuqela okuya phantsi okumandla
 - amanzi okupula

- inkunkuma eyomileyo.
Ukuqukuqela okuya phantsi okumandla ngumxube wobuncangathi boboya, ubumdaka kune nombilo wegusha. Umbilo wegusha unamaqondo aphakamileyo **e-potassium**. Oku kungabangela iingxaki zokutyetyiswa kwesondlo kummandla wendalo, njengo kukhula okugqithileyo kwe **algae** kwimihlaba eyomileyo.

Upukula amanzi okuphambili ngamanzi amdaka kuqulathe ubumdaka. Inkunkuma eyomileyo bubumdaka, isichumisi segusha sincamathele ebogeni nakwismo semifino



Abavelisi bomhlaba barisayikila kwaye balungise amanzi ayinkunkuma ukunciphisa ukungqubana kummandla

(intyatyambo) isuswe kuboya begusha.

Phaya kungabakho iintsalela ze sitshabalalisi eboyeni ukusuka kwiikhemikhali ezisetyenziswa ukulawula izidleleleli ezifana neentwala.

Ukuthintela ukukhuhlwa koboya ekonakaliseni ummandla, iintsalela ziyalungiswa. Amanzi okupula ayacocwa ngokuhluza nangokulungiswa ngekhemikhali Malunga ne 90% yavo ingarisayikilwa, into enciphisa ubuninzi bamanzi afunekayo ekulungisweni koboya.

Ukuqukuqela okuya phantsi kulungisa ngeekhemikhali kwaye kubengumphunga. Amanzi amdaka kanye neenkunkuma ezimdaka zingensiwa ikhomposi kwaye zirisayikilwe njengesichumisi.



Amanzi ayinkunkuma ayagcinwa kwaye asetyenziswe kwakhona ngexesha lokulungiswa



I-Lanolin isetyenziswa kwiimveliso zesikhumba ezininzi

INKUNKUMA EMANGALISAYO!

Ezinye iimveliso eziluncedo zenziwa ukusuka kwintsalela ese le ekukhuhlweni uboya. I-Lanolin ngamafutha oboya kwaye isetyenziswa kwii moisturiser ezininzi. Isichumisi esingamanzi singenziwa ukusuka kwinkunkuma etyebileyo ye potassium. Ikhomposti yeegadi yentiwe ukusuka kwinkunkuma eyomileyo kanye namanzi amdaka.



Ukulungiswa kokutsha kwevivingane kukhuselekile kummandla



ISINQANDIVIVINGANE

Uboya lusinga lwendalo lweptrotini. Wena kanye nam asicingi ngayo njenge ntsusa yokutya, kodwa ezinye i-species zamavivingane kanye namabhungane ayayithanda noko.

Likhaphethi zoboya zilungiswa ngaphambi kokuthengiswa ukuthintela

oku ukuba kwenzeke. likhaphethi zoboya zikhululekile ukuba zisetyenziswe kodwa ezinye iinkqubo zokulungisa zingabangela inkunkuma enobungozi. linkqubo ezintsha ziye zaphuhliswa ezibangela ngokwenyani ukungakhutshwa kwenkunkuma.





INTO EYINYANISO ENOMNTSALANE



Ngaphambi kokuba izijiki-mabala ezidityanisiweyo zalamaxesha ukuba ziphuhsle, iimathiriye yeentyatyambo (umz. iingcambu, amqunube, izikhondo kanye namaqqabi) kanye neeminerali (umz.) ngokufanayo zazisetyenziswa ukujika umbala kuboya. Ezinye izijiki-mabala ezindala ezibhekiselele kwintyatyambo ngoku ziyaphandwa ngokubanako kwazo ukuba isetyenziswe kwakhona kulungiso loboya lwalamaxesa.

UKUJIKA UMBALA -----

Uboa buqhele ukujikwa umbala ngokuvvelisa amabala afunwa ngabathengi. Uninzi lwezijiki-mbla ziqualathe izintithi ezinzima ezifana ne chromium. I-Chromium yenza imibala ngokukhawuleza. Oku kuthetha ukuba kwenza umbala uhlale eboyeni, kwaye iwuthintele ukuba uhlambeke nasekunyamalaleni. Ngelishwa amaqondo aphakamileyo e-chromium kummandla angabanobungozi.

Izilungisi zoboya kanye nabenzi besijiki mabala basebenze kanye ukuvelisa ubuchule bamanzi amdaka e-chrome ephantsi (inkunkuma) ukujika umbala eboyeni. Obu buchule buphuculiwego ngoku busetyenziswa jikelele.



UKUXHATHISA EKUSHWABANENI-----

Iintsinga zoboya zingashwabana zibeyifeliti (zibemanzi kwaye ziphitthane) xa zivasiwe naxa zilungisiwe. Ukuthintela oku, uboya bulungiswa ngekhemikhali ngexesha lokulungiswa.

Kwixesha elidlulileyo i-chlorine yayisetyenziswa kulenkubo. I-chlorine, kanti, ibangele amanzi amdaka (inkunkuma) aqulathe iikhemikhali ezinobungozi ezibizwa

nee organohalogens.

Ngethamsanqa iindlela zokulungisa okukhululekileyo kwe chlorine okutsha ziye zaphuhliswa ezingavelisi ii-organohalogens. Ezindlela zintsha zinciphisa iimpembelelo kummandla.

INGABA UTSHINTSHO LWEMOZULU LUYICAPHAZELA NJANI IMVELISO YOBOYA?

Utshintsho lwemozulu luxhalabisa abantu abaninzi, ngezizathu ezaahlukeneyo. Sibona ukuthintsha kokusingqongileyo. Umzekelo lutshintsho lweephatheni zobuninzi bemvula.

Yonke imveliso yolimo, kuquka imveliso yoboya, ithembele kwimozulu. Ngalondlela ukutshintsha kwemozulu kuchaphazela abavelisi boboya. Kunzima ukwazi ngokuchanekileyo ukuba zizakubayintoni iziphumo zexesha elide.

linzululwazi zisebenzisa iikhompyutha ukwenza uqikelelo olubhekiselele kwinto abayaziyo malunga nemozulu kunye nemveliso yoboya. Uninzi lwazo luyavumelana ukuba utshintsho lwemozulu mhlawumbi luchaphazela ukukhula kwamadlelo. Ikharnbon dayoksaydi kummandla ingenza iintyatyambo ukuba zikhule ngokukhawuleza - kodwa ziqualathe izondlo ezincinane. Imvula encinane ingathetha oku kulandelayo:

- ukukhula kweentyatyambo kungehla
- iindidi zamafama eentyatyambo



ezisetyenziswa ukutyisa iigusha zabo zingatshintsha

- ezinye iimbewu ziyaxhaphaka
- amanzi amancinane eegusha
- iigusha ezimbalwa zingatyiswa kwiindawo ezithile

IKHWALITHI YOBOYA

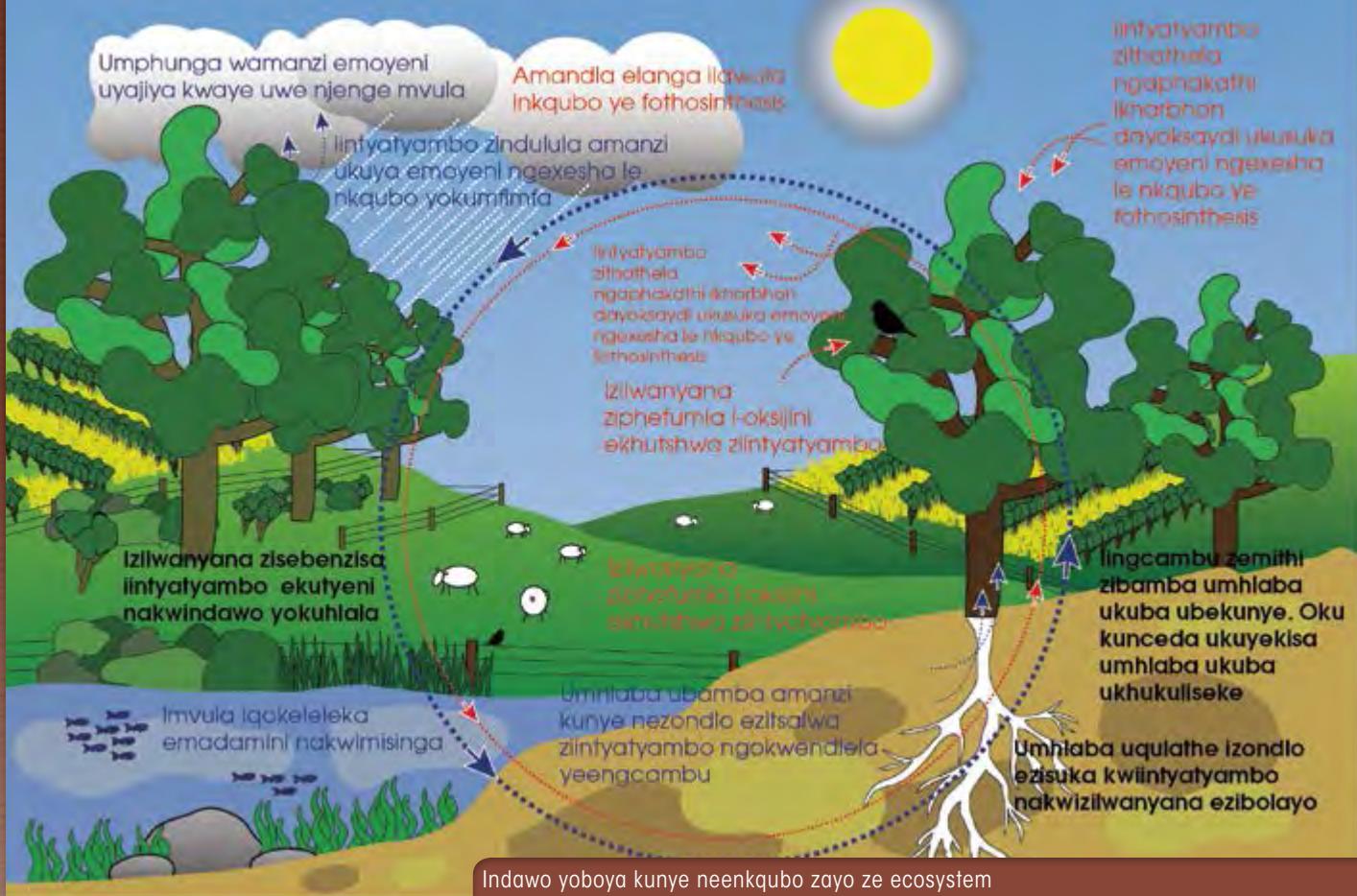
Ukutshintsha kwemozulu kukwachaphazela ikhwalithi yoboya izigaba zamaxesha ezininzi zembalela zingathetha uboya obumdaka - kunokubakho uthuli olunini.

Ubuninzi bamadlelo bungachaphazela isiqumla-sangqa sosinga loboya.

lindaba ezintle zezokuba ukutshintsha

kwemozulu kungabangela ukunyuka kwimfuneko yoboya. Njengokuba ithemprisha inyuka ingathetha ukuba abantu bakhetha uboya ukuba baphole. Singasebenzisa kananjalo iimveliso zoboya ezininzi ukugquma amakhaya abo ngokuchasene nemozulu efudumeleyo.





IMOZULU IBACHAPHAZELA NJANI ABAVELISI BOBOYA?

Imozulu ibalulekile kubavelisi kuba yonke imiseteyenzana yasefama zilungiselelwa kwixesha lonyaka lonke.

Abavelisi kufuneka bacebe imiseteyenzana efana nokukhathalela amatakane kune nokucheba nje kwixesha elifanelekileyo lonyaka ukuvelisa obona boyo bufanelekileyo.

Imozulu kune namaxesha onyaka ziyoohlukana ukusuka kwisinye sonyaka ukuya komnye kwaye olutshintsho lungachaphazela

ngokuxhalabisayo imiseteyenzana yemveliso. Ubuninzi bemvula kune nembaela ngokukodwa zinokungqubana okukhulu kwizimo zokuvveliswa koboya.

Iziganeko zephanyazo ezigqithisileyo zemozulu, ezifana nokugxuphuleka okubandayo kwengqelete okungalindelekanga, kunganciphisa ikhwalithi yoboya kwaye ibange ukufa kwezilwanyana.

UBUNINZI BEMVULA

Ubuninzi bemvula bunikezela ngamanzi kumadlelo kune namathyholo okuya ukuba akhule kwaye abenempumelelo. Ubuninzi bokuya obufumanekayo kwiigusha bugaqitywa kakhulu bubungakanani bemvula ethi inethi.

Ubuninzi bemvula nxa inetha ibalulekile ngokulinganayo. Imvula yangaphandle kwexesha lonyaka ingabangela iingxaki. Ukuba iyana ngokungalindelekanga abavelisi soloko benokuya okuncinane okufumanekayo kwiigusha zabo kunokuba belindele.

Igusha ziqhelaniswe ukuba ziphile kwizimo ezirhabaxa ezinjenge mvula, iqabaka kune nekhephu. Kwphepha lesi-5 ufundile ukuba uboya sisilawuli esifanelekileyo sobushushu kwaye sikwanoxhathiso emanzini. Igusha ngoko ke zithwala ukhuseleko lwazo lwendalo.

Kodwa iigusha ezichetywe ngokutsha (kune namatakane amancinane) zifuna ukhuseleko olusuka kwikhephu, imimoya ebandayo, iqabaka kune nemvula.

Igusha emanzi akufunekanga ukuba

IZILUMKISO ZEMOZULU



Amafama oboya asebenzisa iifoni zeselula zabo, i-inthanethi okanye aggalisela kuqikelelo lwemozulu lukamabonakude. Abaqikeleli bemozulu abathembekileyo bathumela izilumkiso malunga neenkqwithela ezisondelayo kwi Manyano Yesizwe Yabavelisi Boboya (NWGA) Oku kuthunyelwa ngoko nangoko kumafama oboya ngendlela ye sms ukuze kuthathwe amanyathelo ayimfuneko, ngokukodwa ngexesha lonyaka lokucheba.

ichetywe. Amafama ayakhuthazwa ukuba ashenhise iigusha ngokwaneleyo ngomsebenzi wosuku ukuya eshedini okanye kwindawo ekhuslekileyo esibayeni, usuku olungaphambili.

Ukuba imvula iyaghubeke amafama kune nabachebi kufuneka nje balinde. Uboa obumanzi bungangafakwa kwibhalu Bungangunda.



ULUHLU LWEENKCAZELO

amatakane – igusha encinane (inkunzi kanye nemazi) engphantsi konyaka omnye ubudla neselixhomekeke koomama bazo kutyeni.

dumbileyo – isimo kwigusha apho igesi eninzi kakhlulu yakheka kwi rumen (isisu sokuqala segusha).

eyonyaka ngonyaka - ethi ikhule ngaphezulu konyaka omnye.

eyorhwebo – ukuvelisa uboya ukuba buthengiselwe abathengi.

i-acidification – inkqubo apho imihlaba iba yi asidi (pH low).

i-algae – udidi lwentyatyambo yamanzi.

i-hoggets – iimazi kanye neenkuzi zeegusha ezingekabindala. Zindala kunemikhumlwa kodwa ayizogusha ezindala ezikhule ngokugqibeleleyo.

i-potassium – isondlo esinikezela ngokuhle kwiintyatyambo nakwizilwanyana ukwenzela ukukhula okusempilweni.

iceba – inwebu ende elinganayo yoboya eveliswa yinkqubo yokuchaza.

idlozi – imathirielyi yenzalo yeduna. Ukuba oku akuchumisi amaqanda asuka kwithokazi inzala soze ibekhona.

ifula yesisele – ukutya okuluhlaza (idlelo okanye isilimo) ebelilondolozive ukwenzela ukuba lityiswe imfuyo ngomhla wasemva kwexesha.

ii-locks – iziqwenga ezimfutshane zoboya ezenziwe kukuchebea kabini kwindawo efanayo.

ii-microbes – into ephilayo encinane, i-microorganism.

ii-necks – ilungu elifutshane loboya begusha obuthathwe ngokungqonge indawo yentamo.

ii-pathogens – ibhaktheriya, intsholongwane okanye ezinye ii-micro-organism ezingenza izilwanyana (kanye nabantu) ukuba zigule.

iiimazi zeegusha – amathokazi egusha amadala asetyenziselwa ukuba afuywe kanye nokuvelisa uboya.

iiimpazamiso zemvelo – ukugula okugqithiselwa kwisizukulwana



esinye ukuya kwinzala yaso.

iiimpazamiso zenguqulo yokutya emzimbeni – izifo ezibangelwa kukungalungelelani kweenkqubo eziqhelekileyo zekhemikhali emzimbeni.

iiinkabi zeegusha – iinkunzi ezindala ezitheniwego ukuze zingabinako ukufuywa. linkabi zeegusha zisetyenziselwa ukuveliswa koboya.

iiinkunzi zeegusha – iinkunzi ezindala ezingathenwanga kwaye zisetyenziselwa ukufuywa.

iiintsholongwane – ii- organisms ezisisibonakhulu (incinane kakhulu ungayibona kuphela ngesibonakhulu) ephila nezalela ngaphakathi kwii seli zenye i-organism.

iiintsinga – ukungungana kweentsinga zoboya

iiipakethi zoboya – ibhegi ye nayiloni enkulu eequalatha uboy begusha obulungele ukuthuthwa kanye nokuthengiswa.

iiikhalsiyam – isondlo esinikezela ngokuhle kwiintyatyambo, izilwanyana (kanye nabantu) ukwenzela ukukhula okusempilweni.

iiimfuyo – izilwanyana ezisetyenziswa kwimveliso yolimo enjengee gusha, inkomo, iibhokhwe kanye neehagu.

iiimidumba – iintyatyambo ezivelisa inayitrojini kumaqhuhuva amancinane angqonge iingcambu zowo.

iiimhlambi – iqela leegusha, elikwabizwa ngokuba yingginginya.

imikhombe – izikhongozelo ezinkulu ezigcina amanzi ukuze iigusha zisele. Amanzi soloko empompelwa emikhombeni ngendlela yemibhobho ukusuka emadamini emakhulu anjenga matanki, idama okanye umlombo.

imikhumlwa – iigusha ezincinane (inkunzi kanye nemazi) ezisanduluku khumlwa koomama bazo.

imveli – yenzeka ngokwendalo kwindawo ethile

imvelo – ibhekiselele kumadlozi, imfuzo nalapho ishenxiselwa ukusuka kubazali ukuya kutsho kwinzala.

indawo yangasemva – umphezulu wemilenze yangasemva, kufuphi nendawo yomsila.

inkqubo ejijiweyo – inkqubo yokulungisa uboya apho iintsinga zoboya obude zijjija ukuba zibengumsono..

inkqubo yefandes – indlela yokuthengisa uboya apho inani labathengi abanomdla behkuphisana khona (benikezela ngexabiso elithile) kwaye ophumeleleyo ngumntu onikezela ngexabiso eliphame kakhulu.

inkqubo yoboya – inkqubo yokulungisa uboya apho iintsinga zoboya ezimfutshane zilungiswa khona.

inokuboliswa ziintsholongwane – inako ukunokuhlulwahlulwa yintsholongwane kanye nezinye ii-organisms eziphilayo.

into engekazalwa – ukukhula kwentshontsho ethunjini.

intsholongwane – ii-organisms zeseli enye, ezinye zazo zingabangela izifo kwizilwanyana (kunye nabantu).	wegusha, obuqhele ukususwa xa kuchetywa.
iprotini – isondlo esinceda ukwakha nokulungisa iiseli zomzimba.	uboya obuchetyiwego – bonke uboya obuvunwe ekuchetyweni. Buqhele ukusuka kwindawo enye (ifama.)
isikhotha - amadlelo athe asikwa, omiswa kwaye enziwa ibhali ukondla imfuyo xa amadlelo eqingaqekile.	uboya obucoleke ngokubaleseleyo – uboya obuyi-19.5 yee microns okanye ngaphansi.
isiyilelo-maqanda - inxene yomxokelelwano wokuzala kwemazi apho iqanda (amaqanda) aveliswa khona. uced.	uboya obuncangathi – uboya obukrwada obungekacocwa kwaye abuklungiswa.
isodiyam – i-elementi yendalo yesinyithi etyuweni. Ibalulekile kwii organism eziphilayo.	ubuhlanti bokubamba – abachebi bathatha iigusha zabo ukusuka kwelicandelo lincinane, livalekileyo likwishedi yokucheba ekuchebeni nagakunye. Abachebi basoloko benobuhlanti babo bokubamba.
ithumbu – indawo engezantsi yomxokelelwano wometyiso.	ubutyebi obuphinda busetyenziswe – ubutyebi obunjengee gusha, amadlelo kunde nemithi obungathathelwa indawo okanye bukhuliswe kwakhona emva kokuba butyiwe okanye buvuniwe.
iyeya lokubulala izitshabalalisi – imveliso esetyenziswa kwiintyatyambo nakwizilwanyana ukutshabalalisa izinambuzane kunye nezinye izitshabalalisi.	uhlanga – indledlana emxinwa kwiyyadi zeegusha ukwenzela ukuba iigusha zibaleke kuzo.
Izidalwa ezanyisayo – izilwanyana ezinomqolo, ezivelisa ubisi, eziqhele ukuba nemilenze emine kunde neenwele okanye uboya. Uninzi lwazo luzala ukuba kuphile amantshontsho.	ukucheba – ukususwa koboy begusha kusetyenziswa umatshini okanye iiklipa zesandla (izichebi)
izidleleleli – izilwanyana ezinjengee ntawala okanye iintshulube eziphila ngaphakathi kwesinye isilwanyana Izidleleleli zingenza izilwanyana (kunye nabantu) ukuba zigule	ukufuya okukhethayo – ukukhetha izilwanyana ezithile ukuba zifuywe ukovelisa inzala eneempawu ezinqwenelekayo njengoboya obucolekileyo.
izilimo zonyaka –izilimo ezifana nengqolowa, irhasi, umbona, i-sunflower kunde ne canola ekhula kuphela kwixesha lonyaka elinye emva koko zife.	ukugonywa – inkqubo yokunikezela ngeyeza lokugonya ukukhusela iilwanyana (okanye abantu) ngokuchasene nesifo esithile.
izilwa-buhlunga ezigazini – iindidi zee protini ezinceda ukulwa izifo.	ukukhumla – amatakane ayasusa (ayohlukniswa) koomama bazo kwaye afumane ukutya kwavo emaddelelweni.
izilwanyana eziqhelaniswe nekhaya - izilwanyana ezensiwe zabambuna ukuba ziphile nabantu okanye nemfuyo, njenge zinja.	ukumanzia – ukunikezela ngekhemikhali yowulo iintshulube kwigusha ukubulala naziphina iintshulube ezingaba ziphila ngaphakathi kumxokelelwano wometyiso wegusha.
iziqwenga – imiphetho enamachaphaza, emifutshane okanye enombilo esuswayo kuboya begusha ngexesa lokuguguthwa.	ukunaba – umphezulu woboya emva kokuba itwezwe yinkqubo yokutsala.
izondlo – into enikezela ngokondleka okubalulekileyo kubomi nasekukhuleni	ukuncancisa – ukovelisa ubisi ukondla inzala.
uboya begusha – uboya obugquma umzimba	ukungqezula – ukususa uboya ukusuka kumazantsi endawo yegusha ukuyigcina icocekile kwaye ingenaso isichumii esimanzi.
	ukuphawula – ukuqokelela iigusha kunde ukuze zithenwe, ukunqundwa (ukususa) imisila, ukugonya, ukuphawula indlebe kunde nokufka ithegi ngokusebenza okunye.
	ukuthenwa – ukususa amasende aweenduna zamatakanne angafunekiyo ukuba afuywe.
	ukuthunyelwa kwamanye amazwe – ukuthengisa impahla kunde neenkonzo kwelinje ilizwe.
	ukutsaza – ukufafaza iigusha ngesibulala-zinambuzane ukulawula iintwala okanye iimpukane eziluhlaza.
	ukutya emadlelwani – ukutya kumadlelo okanye amatyholo.
	umetyiso – ukutya okwetyiswe ngokungaggibelelanga apho igusha yakukhupa ukuba kuphindwe kuhalunwe ngaphambi kometyiso wokugqibela.
	ummandla – indawo esingqongileyo. Kuquka umhlaba, amanzi, umoya, iintyatyambo kunde nezinye ii-organisms.
	umphezulu – uboya obuchaiwego nobukanyiweyo ukwenza iintsinga zilandelelane kwicala elifanayo. Ngoku ilungele ukuba ngumsono woboya.
	umvuzo – imali yarhoqo abaqeshi (abasebenzi) abayifumana ngokwenza umsebenzi wabo. Umvuzo uqhele ukubhatalwa ngeveki okanye njalo kwiiveki ezimbini. (Akufani ne salari eqhele ukubhatalwa kanye ngenyanga.)
	umxokelelwano wokuxhobisa – umgca wemisetenzana ukusuka efama ukuya kumthengisi kuquka imveliso, ukulungiswa nokuphinda kuthengiswe.

ISALATHISO

abantwana 45
 amanzi 15, 28, 30, 33, 45,
 58, 71, 72, 73, 74, 77, 79

 eyona fama yoboya inkulu
 eMzantsi Afrika 26
 ezifuyiwego 17, 27, 31

 i-lanolin 75
 i-Merino yase Spain 13
 i-Onderstepoort Veterinary Institute
 22
 limazi zeegusha 11, 12, 17, 19, 31
 iimpawu, zoboya, 5
 i-species 12, 23, 30, 72, 73, 75, 79
 imihlambi 10, 24, 27, 32, 33, 34, 47,
 55, 73
 imisonto ejijiwego 50, 51
 i-Woolmark 61

 i(ama)takane 11
 ukuphawula 32, 45
 ukutyisa 30, 73, 74, 77

 i-hoggets 11
 imisetyenzana 41, 45, 71, 78
 imbali yokuveliswa koboya
 eMzantsi Afrika 13, 24, 25
 ii-Micron 47
 iindidi ze Merino zoMzantsi Afrika
 14

 imozulu 24, 28, 32, 78
 imbalela 79
 ubuninzi bemvula 78

 iinkabi zeegusha 11
 iinkunzi zeegusha 11, 27, 31, 44
 iishedi zokucheba 44
 imikhumlwa 11
 imozulu
 impilo yeegusha 20, 21, 22, 30, 33
 inkangeleko, yoboya 48
 intlalo-ntle yezilwanyana 40
 intwala 20
 isinqandi-vivingane 75
 izetyisi 16
 izidleleleli 20, 22, 34, 75
 izifo 21, 33
 izinja ezincedisa ukwalusa iigusha
 30, 42, 43, 45

Mnu Malusi 71, 73, 74, 83

 uboya
 abavelisi 26, 41, 45, 70
 iimpawu 14, 20, 56
 iimveliso 28, 32, 60, 61, 70, 77
 ukuhlela 39

 Uboya base Koloni 46

 uboya begusha 5, 13, 55, 56, 66
 ukungcoliseka 49
 ulungiselelo 73
 umbala 48, 67, 76

 ubuninzi bemvula 78
 ukhukuliseko 73, 74
 ukhuseleko 44, 78
 ukhuseleko lwasefama 44
 ukuchaza 50
 ukucheba 35, 36, 40
 ukudibanisa 50, 56, 64
 ukufuywa 11, 12, 31, 32
 ukugonywa 20, 34
 ukuhlanganisa 30
 ukuhlasela kwee mpukane 34
 ukukama 51
 ukukhathalela uboya 61
 ukukhuhlwa 75
 ukulungiswa 49, 50, 75
 ukumanzia 33, 34, 45

 ukunakekela amatakane 32
 khangela kananjalo ukuzala

 ukungqezula 38
 ukungxolisa 38
 ukuthengisa uboya
 ukuthumela uboya kwamanye
 amazwe 14, 21, 24,
 25, 39, 46, 54, 67
 ukutsala, 50, 69

 ukutya emadlelweni
 okubolekisanayo 30
 ulawulo lokutya emadlelweni 29

 ukutyisa 30, 73, 77
 ubisi 11, 19, 45
 ukwetyisa 16

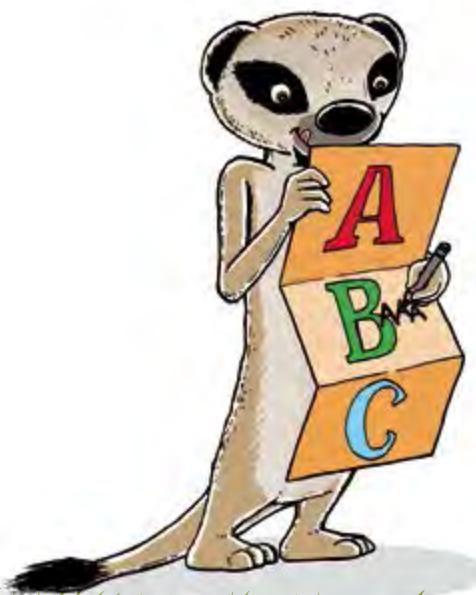
ukuxhathisa ekushwabaneni 76
 ukuzala 17
 ukwenza ibhali 38
 ukwenza kuba ibesisilahle
 ngokutshisa 50

ukwenzeka kwelaphu
 elukiwego 53
 engalukwanga 53

ulawulo lomhlaba 71
 ulawulo lwenkunkuma 74
 ulawulo lwezempiro 20, 33
 ummandla 10, 40, 59, 70, 75
 umsebezni 57
 uphando kunye nophuhliso 56

usinga
 edityanisiwego 59, 60
 engeyiyo eyendalo 60
 ezinye iindidi 59
 ngokwendalo 6, 42, 71, 72
 ukudibnisa 56
 ukujika umbala 51, 76
 ukuluka 52
 ukunitha 52, 62, 64

usinga 48, 60, 66
 usinga loboya 6, 36, 51, 67



UVELAPHI UMNU MALUSI?



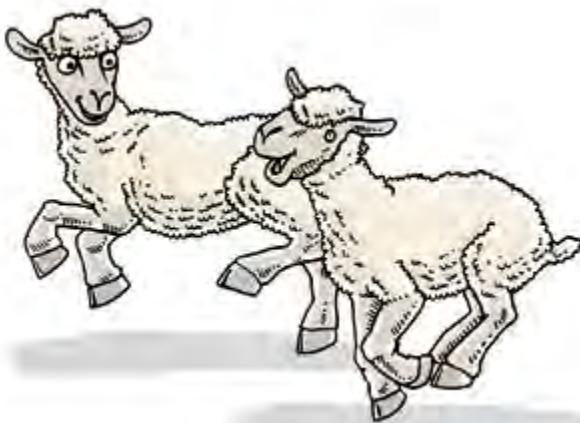
U-Mnu Malusi, kukudalwa komzobi mifanekiso ehlakisayo, Alex Houwelingen. Ubhekiselele uMnu Malusi kwigala lokwenyani, uMnu Koer, owaba yinxenye yosapho lokufuya kwi karoo.

U-Mnu Koer usixeleta ngebali lakhe:

"Ndihlala no Sheryl kanye no Andy Duthie e-Oufountein, kwifama eyi-150 km ukusuka eRhafu". Sinee nkomo, iibhokhwe, iinkukhu, izagwityi, iinyamakazi, izinja kanye namahashe ase Arabhu. Kodwa oyena mhlobo wam kulomxube nomhle kakhulu yigusha yam ye Merino. Ngokucacileyo abekho krelekrele kum, kodwa bingingenako uboya begusha obukhrimu ngolunye usuku kanye no beanie obomvu okwesitena kwiinyanga emva kwexesha, Eyoijkekayo, kulungile?

abantu bam benziwe zii Merino zabo, kodwa ubuncinane ndingenya ngaphakathi kwi bhaki utyelelo Iwasefama. Ndiyakuthanda ukuhlala kwivili lokuqhuba. Ndibakufuphi kananjalo ekhitshini kanye nezinja ecaleni kwe aga (i-oveni, eziko, isifudumezi kanye neketile zonke zisongelwe kwisipheki sentsimbi sasekhitshini esikhulu).

Xa ndithetha ngamakhitshi... nditya amaqanda aqhuqhewe amaxesha amathathu ngosuku, ngamanye amaxesha akunye neqhekeza lenkukhu eqhotsiweyo.



Kodwa abona nomadukudwane bam abahle kakhulu. Xa abantwana (u-Mark, u-James kanye no Peanut) besekhaya ukuvela esikolweni (njengabo bonke abantwana bethe qelele kwiifama ezivelisa uboya bahlala kwii hostele ezidolophini nasezixekweni) siyemka ukuya kwiindulana ukuya kujika amatye kwaye siyokukhangela oonomadukudwane. Abanayo ityhefu kum – ngenye indlela bingingasoze ndibelapha ndibe ndithetha nawe, akunjalo?

Kodwa kufuneka ukuba ndibaleke...

Siyahamba ukuyokuzingela namhlanje. Ndiyakuthanda ukuzingela nabantu bam, kodwa ndifumana uxinzelelo olugqithileyo xa benganakani nje amaxhalanga. Ndikhwaza isilumkiso kwaye ndiyokuzimela, kodwa bakhangaleka bengenawo umbono wexilongo malunga nendlela abavezeke ngayo kwakunye nendlela ekulula ngayo ukuba ezonzipho zinkulukazi ezingabathatha ukuba baphaphele ekufeni... xa ndandisemncinane kwaye ihoko yethu yayiphazanyiswa ngudyakalashe wonke umntu wayebaleka ngathi uphambene. Kodwa ndandingakwazi ukubaleka nabo ngexa yemilenze yam enamaqhinga. Ndandishiywa ngasemva. Kungexesha abantu base Oufontein bathi bandithatha bandifaka phakathi kwikhaya labo – kwaye iintliziyi zabo – kwaye bandithiya ukuba ndingu Mnu Koer. Esi sisandi thina magala esisenzayo xa sithetha sodwa.

Nonwabe okwangoku! Koer Koer!
Mnu Koer



Ungayicinga into yokuba kwakukho xesha apho ukuthunyelwa koboya kwamanye amazwe yayilulwaphulo-mthetho olunesohlwayo esikukufa?



- Ingaba uyalazi na ukuba ushishino loboya eMzantsi Afrika lwaqalisa emva kokungaqondani?
- Ingenzeka njani emhlabeni into yokuba iimpahla ezenziwe ngoboya zingakugcina ufudumele kwaye upholile?
- Zingaphi iigusha ezitya phaya emadlelweni kwiifama zethu – amawaka, izigidi okanye amawaka ezigidi?
- Ingaba ukucheba kubuhlungu?

Molo apho, igama lam ngu Mnu Malusi kwaye ndine baa c yoboya kwincam yeenzipho zama ezimdaka. Ngoko ke fumana iimpendulo kwezizinto kune nemibuzo emininzi zibandakanye nam kuhambo kwihlabathi elimangalisayo loboya njengokuba kuxeliwe ku *Uboya eMzantsi Afrika*. Ndiyabheja ukuba uzakusithanda isihlekiso ngendlela yemifanekiso, abahlekisi abakrelekrele kune namacandelo amahlau akhowudwe ngemibala njengokuba nam ndisenza.



ISBN 978-0-620-59517-9



9 780620 595179

