



INGEDE

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UKUVUNDISA NGOMQUBA WEZITSHALO – KUNYUSA ISIVUNO SIKAMOBA

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Kuyini ukuvundisa ngomquba wezitshalo

Lokhu kuwukumbela izitshalo emhlabathini. Inhloso kusuke kuwukwanda nokweliha izinga lokulahleka komsoco obalulekile nodingwa umhlabathi.

Ukuvundisa ngomquba wezitshalo kunemithelela ethile ekhona.

Emhlabathini: Injongo yocwaningo olwenziwa e SASEX ukwenza ngcono isimo sempilo yomhlabathi. Umhlabathi ophilie ukwazi ukukhiquza umoba omuhle lokho okuholela enzuzweni ephakeme. Umoba otshalwe emhlabathini ophilie awubi nazi-fo, awushodi ngomsoco futhi nesivuno asikhinya-bezwa izinambuzane ezivela emhlabathini.

Ukondleka komhlabathi: Omanyolo sebeyabiza kakhulu ngakho-ke iyodwa indlela yokweliha isidindo sokusebenzia umanyolo ukuthi uvundise ngomquba wezitshalo. Kumaphesenti awu 70 ezin-como ze nitrogen zakwa FAS, ungakwazi ukuthi wonge umanyolo ngokuvundisa ngezitshalo ezin-jengobhontshisi, udali omnyama, izindlubu, izindumba, umzumbe ingolokoqo nodali omhlophe ngaphambi kokutshala umoba. Awudingi ukufaka l nitrojini uma ngabe uvundise ngomquba we sunn hemp ehlobo. I Oats esetshenziswe ebusika iyawazi ukuthi iphinde isebeenzise i phosphorus, potassium ne calcium.

Ukongiwa kwemvelo: Ukulima ngendlela eyonga imvelo kubalulekile ngalezizinyanga ezinemvula eningi ngoba izimvula zingadala ukuguguleka komhlabathi uma ungavikelwe ngokwanele. Izitshalo okuyizona ezelungele kahle ukwenza lomsebenzi ivetch ne serradella.

Amadlelo: Izitshalo eziningi ezisetshenziswa njengomquba wokuvundisa zingakwazi ukusetshenzisewa amadlelo emfuyo ikakhulukazi lezo ezithandwa izinkomo njenge serradella, vetch, oats (uma isencane), ivelveti, ulopeni kanye notshani obunjenge teff ne eragrostis. Lezitshalo ezinga-

madlelo ziye zingabe zisabanawo amahlamvu amanangi okuwambela emhlabathini kodwa zisiza nje ekutheni zibe ingxene yezitshalo okushintshaniwa ngazo. Lesosenza siba nomthelela omuhle kabi emobeni. Amaphesenti awu 30 omsoco atholakala ngezimpande. Ukuthi nje kukhona noma isiphi esinye isitshalo. Kuyalehlsa izinga lezinambuzane, iminyundo kanye nezifo.

Ukudla okudliwa abantu: Eziningi zalezizitshalo zingadiwa uma ziseyimbewu, noma imbewu idayiwe bese kuthi lokho okusalayo kusetshenziswe njengomquba wezitshalo. Lokhu kunciphisa izinga



Udali (Sunnhemp)



Imbumba (Dolichos beans)



Cowpeas



Ugqomugqomu (Velvet beans)

lezinambuzane, eziqhamuka emhlabathini, kanye nezifo. Izinhlobo zezitshalo ezikwazi ukwenza lomsebenzi ilezi ubhontshisi okuthiwa iFaba beans, ingolokoqo, isoyabean, umbila, ukolo kanye ne oaths.

Isikhathi sonyaka: Isikhathi sonyaka kumele naso sibhekwe uma uholela izinhlobo zezitshalo ozozisebenzisela ukuvundisa umhlabathi wakho. Ebiska: Ulupini, ukolo, I oats, iserradella, ivetch, iclover nefaba bean.: Ehlobo: umbila, isoyabean, ingolokoqo, isunn hemp ne velvet beans.

Isivuno somoba: Isitshalo esisodwa esisetshenzisewa ukuvundisa umhlabathi singakwazi ukunyusa isivuno ngamaphesenti awu 20, siphinde sandise namahlumle angavunwa ngaphambi kokuthi kutshalwe umoba omusha futhi.. Ungaba nalesisivuno esinyukile iminyaka elinganisewa kwemithathu ngakho nezindleko osuke uzithwale ngokuvundisa zisuke sezikhokhelekile. Ubhontshisi okuthiwa I macuna black bean iwona othathwa njengokulungele kakhulu ukusethenzisewa uma inhloso yakho kuwukukhuphula isivuno.

Umanyolo

Page 1

Uyini Umanyolo?

Umanyolo ungukudla okudingwa isitshalo ukuze sikhule kahle.

Izinhlobo zikamanyolo

1. Owensiwe ngemvundo yemvelo

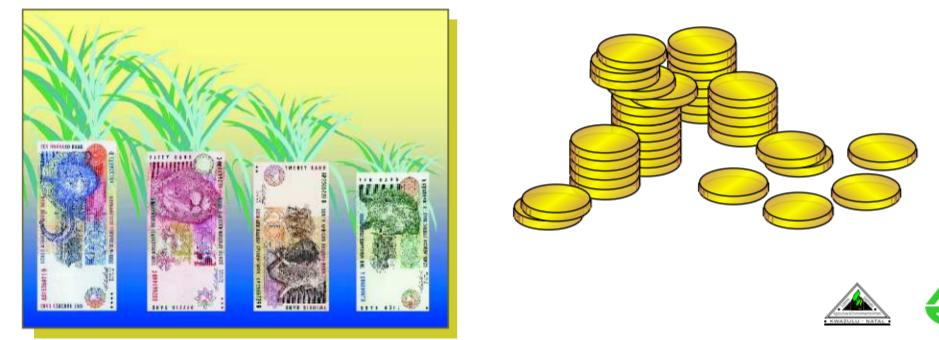


2. Owokwenziwa ngamakhemikhali



Kudingke ngani ukubasifake umanyolo?

Unikeza ukudla okudingwa isitshalo ukuze sikhule kahle kwenyuke isivuno kanye nenzuzo.



Umanyolo

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Ufakwa nini umanyolo?

Uma utshala - emseleni



Ukukhuthaza itshalo



Ukukhuthaza ihlumela

Umanyolo

Page 2

Izinhlobo zomanyolo

Owemvundo: Yezilwane noma izitshalo ezibolisive Lokhu kuqukethe ukudla okunhlobonhlobo kwezitshalo.

Owokwenziwa ngamakhemikhali:

Oyizinhlamvu noma owuketshezi oqukethe ukudla okwanele okudingwa izitshalo.



Isitshalo sikusebenzisa kuphi ukudla kwaso?

N - iNayitrogen - amaqabunga

P - iPhosphorus- owezimpande

K - iPotassium - Owesiqu



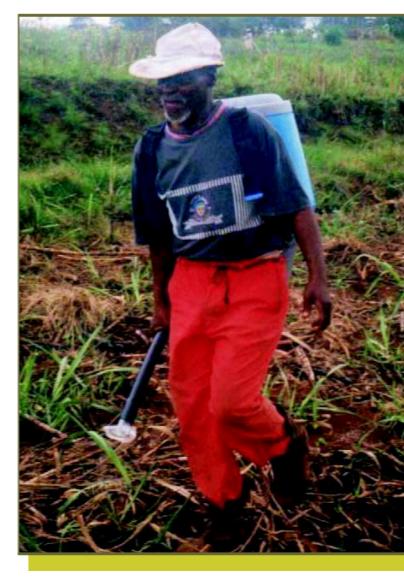
Umanyolo

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Umanyolo ufkwa kanjani?



Ukusebenzisa intambo nethini likawoyela



Ukusebenzisa isigubhu semayfield

Umanyolo

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Izigaba okumele zilandelwe

Thatha umhlabathi



1

Imiphumela yomhlabathi ohloliwe



2

Kunconye luphi uhlobo lukamanyolo?



3

Kwesinye isikhathi kungadingeka umcaka wabalimi



Umanyolo

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Amasu Okufaka

- Sonke isikhathi sebenzisa izincomozakwa **FAS** (inani nohlobo lukamanyolo).
- Isikhathi sokuhlahla Ehlobo** - Faka umanyolo ngemva kokuhlahla.
- Ebusika** - Faka umanyolo ngemva kwemvula yokuqala kwentwasa hlobo.
- Emhlabathini owubumba** - Faka umanyolo kolayini bakamoba.
- Esihlabathini** - Faka umanyolo phezu kolayini nasemaceleni.
- Esihlabathini** - Ungawufaki wonke umanyolo kanye kanye.
 $\frac{1}{2}$ ngenkathi utshala
 $\frac{1}{2}$ ngemva kwamasonto awu - 8
- Izincomo zesikhuthaza zingehliswa ngo 20-30 kg nge hektha.**
 - Emhlabathini engashoni
 - Ngesikhathi sesomiso
 - Uma i-eldana iyinkinga kakhulu

ABALIMI ABANCANE NAMAKOMIDI AMELE EZEMVELO EZINDAWENI ZABO

nhlangano kashukela iyazikhathalela izindaba eziqondene nokongiwa kwemvelo ezinhinta imboni kashukela. Ngo Mfumfu (September) 2001, Ummuzane u Rory Lynsky waqkwa njengo Mxhumanisi obhekelele ezokongiwa kwemvelo kanti omunye wemisebenzi abhekene nayo ukuhlela imigudu yokuxhumana phakathi kwamakomidi ahlukene ezemvelo nazozonke izinhlangano zemboni kashukela. Okunye ukushintsha izimvo zomphakathi ngomboni kashukela.

Amakomijana amancane amelekile kakhulu ngabavela emshinini kanye nabalimi. Abasebenzi base Spalamende (SASEX) bachitha isineke sabo emsebenzini nasezindabeni ezisuke zidingidwa khona kulamakomidi emvelo.

Amakomidi okongiwa kwemvelo asezindaweni zabalimi (LEC's) ayingxene yohlaka Iwemboni lapho kumeleleke abalimi ngisho nabasebancane kanye nabagayi. Abalimi abalima ezingeni elincane bangahlomula ngokuthi nabo bamelwe kulamakomidi. Isibonele nje, uma abalimi abalima ezingeni elincane nabo ibakhathaza indaba yokulima ngendlela ehlukumeza imvelo, noma kungamanzi abawaphuzayo, umoya kanye nomhlabathi okuhlukunyeza ilendlela yokulima , banelungelo lokuveza izimvo noma ukukhathazeka kwabo kulelikomidi lezemvelo (LEC).

- Amakomidi ezemvelo (LEC) angasetshenziswa njengenkundla :
- Yokuletha amasu amasha;
- Yokuba abalimi abalima ezingeni elincane balethe kuyona izindaba ezidinga ukudingidwa ngokushesha.

Yokuvula umgudu wezinto ezintsha kubalimi njengencwadi ethi "Imithetho yokongiwa kwemvelo embonini kashukela" ekhiqizwe ngabakwa SASEX, Izincwajana zokufundisa ngemvelo kanye nencwadi ekhishwe ngabakwa SA Canegrowers.

Abeluleki bezolimo abane babwa SASEX nokuyibona ongakhuluma nabo mayelana nokuba ilunga lalamakomidi ezemvelo ilaba John Neen (Felixton, Umfolozi & Pongola), Thamoney Naidoo (Maidstone, Darnall & Gledhow), Thulani Masondo (Amatikulu and Entumeni) no William Gillespie (Umzimkulu, Sezela, Noodsberg & Eston).



Umlimi ubonakala esusa esinye sezimila ezhlukumeza imvelo.

AMASU ASEMQOKA



- Qasha kuphela usokontileka othembekile
- Xoxisanani ngendlela enizokhokhelana ngayo mayelana nokuhlahlwia nokudonswa komoba.
- Xoxisanani ngalokho okulindele nokumele kwensiwe uma kuhlahlwia ngosuku.
- Khumbula ukuthi umoba wakho, ngakho une-lungelo lokubeka imigomo edingakalayo ukuze uthole I RV ephezulu.
- Gcizelela ekutheni umoba oya emshinini makube osemusha, ohlanzekile futhi obusukulungele ukuhlahlwia.
- Qala ngokuhlahla amasimu ozowatshala kunyaka ozayo kanye nalawo asale kunyaka odlule.
- Thatha umhlabathi kuwowonke amasimu asehlahliwe ukuba ayohlolwa.
- Kubalulekile ukuba ufake amanani afanele nalingene kamanyolo ngoba usuyabiza umanyolo. Ngakho ukufaka kancane nokufaka kakhulu kuzokudla imali.
- Isikhathi esihle futhi lesi sokuthi uhlole umhlabathi ikhona uzothola izincomo zesizini yonke. Lokho-ke kuzokweleketela ekuben ikwazi ukwenza uhlelo lokufaka umanyolo kusesikhathi esanele.
- Yenza amalungiselelo okuthenga umanyolo.
- Lungisa zonke izipoli ukuze uma sekudonswa umoba ungabi nenkinga.