

# PULA IMVUILA

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UAPRELI  
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## NGESIKHATHI SOKUVUNA – ukwehluleka ukuhlela, ukuhlela ukwehluleka



**Y**onke inhlamu ibalulekile. Thatha isikhathi kule sizini ucabange ngalokhu. Sikhungethwe yisomiso esebekayo kulo nyaka futhi ngenxa yalokho inani lommbila izohlala liphezulu. Njengamafama kudingeka senze konke okusemandleni ethu ukukhulisa kakhulu isivuno sethu ukuze sibuyise imali esilahlekile ngenxa yesomiso. Ukwenza lokhu kudingeka ukuba siqiniseke ukuba umsebenzi wethu wokuvuna ucopheleka kakhulu njengoba inhlamu ngayinye ibaluleke ngempela.

Kudingeka siqikelele kakhulu kuzo zonke izinhlangothi zomsebenzi wokuvuna kusukela emishinini kuhambisane nokumaketha kokusahlamu zakho.

Ngaphambi kokuba uqale ukuvuna, thatha isikhathi wenze isu elisemgangathweni lokusebenza. Lokhu kufanele kubandakanye iphogremu yokunakekela imishini. I-oda yomsebenzi nohlelo lokumaketha.

### Iphogremu yokunakekela imishini

Lapha kufanele ubheke lonke ithuluzi elizo-sebenza ngesikhathi sesizini yokuvuna kusukela ku-khombayini kuye kuma-trailer. Yonke into kudingeka iholisiswe ngenhlosi eyodwa ebalulekile ewukunciphisa kakhulu ukumoseka. Onyakeni o-avareji kanangi besingakunaki ukuvuza okuncane emishinini yethu sizibe ngokuthi 'akuyona into eningi ngokungako' noma 'zizodliwa izinkomo lezo zinhlamvu.' Kodwa iqiniso ukuthi njalo ngonyaka silahlekela kakhulu ngenxa yemishini enganakelelekile kahle.

Incwadi yeGrain SA  
yabalimi abasakhulayo

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## Ngesikhathi sokuvuna – ukwehluleka ukuhlela, ukuhlela ukwehluleka



### UGOGO JANE UTHI...

**Z**iningi izinsolo zenkohlakalo ezindabeni kulezi zinsuku. Siyazi ukuthi uma ubandakanyeka enkohlakalweni kusho ukuthi awusona isakhamuzi saseNingizimu Afrika esiwugcinayo umthetho. Awilibambile iqhaza ekwakheni izwe lethu elihle nasekwakheni ikhaya lezizukulwane ezizayo.

Lokhu kwenze ngafikelwa umcabango othi 'ngabe ngisakhamuzi esiwugcinayo umthetho na?' – ngokujalo kaningi sicabanga ukuthi abanyeabantu bephula umthetho kanti empeleni nathi siyawephula umthetho. Ake sicabange ngokusetshenziswa kwemigwaqa – ngabe uyama uma obona uphawu oluthi yima? Ngabe uhamba ngaphansi kwesivinini esinqunyiye kuyo yonke umigwaqo? Uyazisika ezinye izimoto lapho kunomugqa khona omhlophe osolidi? **Uma uphendule wathi 'yebo' kunoma yimuphi umbuzo kulena, kusho ukuthi nawe awuwugcini umthetho futhi awusona isakhamuzi esiqotho saseNingizimu Afrika.**

Wake wayithatha into engeyona eyakho? Wake wadayisa into engeyona eyakho? Ngabe abasebenzi bakho babhaliselwe i-UIF futhi uyayifaka imali edingeckayo njalo ngenyanga? Ngabe ubhalisele ukubhadala intela futhi uyibeka obala yonke imali oyitholayo kwabenzentela? Uma uyibhalisele i-VAT, uke wayiklema i-VAT ezintweni ezazingezona zebhizinisi lakho? **Uma uphendule wathi 'yebo' kunoma yikuphi kulokhu kusho ukuthi nawe awuwugcini umthetho futhi awusona isakhamuzi esiqotho saseNingizimu Afrika.**

Uma usebenzela uhulumeni – ukhona owake wathatha kuye imali yokugwazelwa? Ngabe wake wasizuzisa isihlobo sakho? Ngabe ukhona owake wamnikeza umsebenzi oxhumene nawe nakube engenawo amakhono nemfundu yaleso sikhundla? Wake wathatha ingxene kunoma yisiphi isivumelwano owawufasiltheytha? Ngabe wayisebenzisa impahla kahulumeni? Ngabe wake wayisebenzela izidingo zakho imoto yakwa-GG? **Uma impendulo yakho ithe 'yebo' kunoma yimuphi umbuzo, ngakho kusho ukuthi nawe awuwugcini umthetho futhi awusona isakhamuzi esiqotho eNingizimu Afrika.**

Isicelo sami salenyang sithi – 'asibambane futhi sihlangane silwe nobugebengu nenkohlakalo'. Asibe yizakhamizi ezigcina umthetho futhi siphile ngomthosisekelo umuhle wezwe lethu. Leli yizwe lethu futhi kudingeka silakhe ukuze kuthi izingane zethu nezingane zazo zizoba namakhaya aphephile naphomelelayo.

*Hlola yonke imishini yakho yokuvuna, ungakholwa ukuthi inhloso yakho enkulu ukunciphisa ukumosa kakhulu.*

Kukhombayini yakho qiniseka ukuthi izisefo zifakwe kahle nokuthi ziwsayizi oyiwona wama-kernel ozobe uwavuna. Bheka izimbobo nezifaxa. Bheka onke amajoyinti nama-seems kukhombayini yakho ubheke ukuthi azikho yini izikhala lapho izinhlamvu zingavuza khona zichitheke. Qiniseka ukuthi i-de-bulking auger isebenza kahle nokuthi akukho okuvuzayo ku-hopper kanye nakwi-auger pipe. Ku-khombayini header yiba nesiqiniseko sokuthi yonko into uyisethe ngokuyikho ngokwezikhala zakho zomugqa.

Kuma-trailers nama-thraki kufanele ubheke ukuthi zonke izikhala nezimfa nazo zivalekile nokuthi izivalo zezinhlamu zivaleka ziqine nangokuvikelekile. Qeqesha isitafu sakho esizobce si-opharetha imishini ukuba sibheke futhi sibhekisise lezi zinto ngaphambi kokuba basuke bayodiliya okusanhlamu endaweni yokudiliya. Uphinde uqequeshe nallabo aba-opharetha amakhombayini ukuba aqinisekisa ukuthi i-auger uyayivala njalo uma eqeda i-de-bulking futhi ayiphindisele kwi-stow away position. Ngike ngezwa kaningi ngabashayeli abashiya i-auger isebeenza imisa amathani namathani ommbila ngenkathi ikhombayina. Kulonyaka ngeke sikwazi ukwenza amaphutha anjenga lawa.

#### I-oda yomsebenzi

Lapha kufanele uhole ukunyakaza kwakho kanye ne-oda ozohlanganisa ngayo umhla-

**Kudingeka siqikelele kakhulu kuzo zonke izinhlangothi zomsebenzi wokuvuna kusukela emishinini kuhambisane nokumaketha kokusanhlamvu zakho.**

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ba wakho. Okuningi kwalokhu kuzonquanya umswakama oqukethwe yizinhlamvu kodwa kufanele, uzame ngakho konke okusemandleni ukubala i-oda ngokupheleleyo lokusebenza nge-oda ephumelelayo ukuze uzinciphise kakhulu izindleko.

Yonke into ihamba ngodizili kanti futhi udizili yinto ebiza kakhulu emsebenzini wokuvuna. Uma uhlele ngokupheleleyo ngendlela enciphisa ibanga elihanjwayo kusuka ephoyintini lokuvuna kuya ephoyintini lokudiliya ngokwenze njalo ungonga kakhulu kuphethiloli. Isibonelo; uma ngynomhlaba ibangeni elingu-5 km ukusuka kwi-shed yami neny esebangeni elingu-6 km, kungenza umqondo ukwenza loyo mhlaba ngesikhathi esisodwa. Lokhu kuzongihlenga ekutheni ngiyibuyisele yonke imishini lapho ngesinye isikhathi.



*Njengamafama kudingke senze konke okusemandleni ukukhulisa isivuno sethu.*

#### Uhlelo lokumaketha

Njengabalimi 'singabemukeli bamanani' okusho ukuthi kufanele samukele inani elinqunywa yimaketha. Ngeshwa akukho okuningi esingakwenza ngalokho. Kukhona kodwa amaqhinga ahlukene ongawasebenzisa ukuze wenze isiqiniseko sokuthi uthola inani elingcono lezinhlamu zakhlo.

- Bheka izindawo ezehlukene – akusho ukuthi zonke izikhungo zikhokha inani elifanayo, ngakho-ke qiniseka ukuthi uthola obhadala kakhulu.
- Inkatileka – uma ubhekisiza kahle okwenziwa yimaketha ungazibiyela intengo yesilimo sakho ongayithola noma yinini. Qinisekisa ukuba uya-xhumana nebhrokha yakho ngaphambi koku-

zama leli qhingga njengoba linobungozi phakathi. Ngike ngezwa ngamafama enze isivumelwano senani lentengo yommbila engu-R3 500/ton kulonyaka kodwa manje isivele yakhuphukela ku- R5 000/ton, ngakho-ke kusho ukuthi bazolalekelwa ngu-R1 500/ton lommbila.

- Ukuwugcina – njengamafama asikwazi ukunquma inani lentengo kodwa singanquma ukuba singadayisi. Amafama amanangi anemyaka enza lokhu uma intengo yehlile kodwa alindela ukwenyuka kwenani lentengo ngaphambi kokuba anqume ukudayisa. Angikuboni kuzokwenzeka lokho kulonyaka.

Ukulima konke kumayelana nama-margins. Kudingke senze konke okusemandleni ethu ukwenyusa ama-margins akwenza inzuko nokunciphisa ama-margins angenza silahlekilewe. Izinhlamvu zethu esizikhqizayo ziukheshe; ngakho ke kufanele siqinisekise ukuthi imishini nempahla ephatha ukheshe wethu ayi-wachithi amarandi namasenti endleleni.

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#### Pula Imvula's Quote of the Month

*'Luck is a dividend of sweat. The more you sweat, the luckier you get.'*

~ Ray Kroc

# Ukuthi kanjani nokuthi kungani kwenziwa isilinganiso sesivuno

**L**o nyaka wokukhinqiza wamanje ube ngomunye weminyaka enzima esikhathini esingaphezulu kweminyaka engamashumi amathathu ngaphandle kwezfundazwe ezithile nezfunda ezithole izimvula ezibucayi zokulima isilimo sommbila ngesikhathi esingabonakali esihleliwe sokutshala.

Ukushesha utshale kwezinye izifundazwe kubulawa yingcindezi yokushisa okudalwa okufika izikhawo kuthathe wonke umswakama obusagcinekile. Isilinganiso sokugcina sesivuno sicaca kuphela ngoMashi no-Ephreli 2016 ngenxa yokuhlangahlangana kwezinsuku zokutshala nokulahleka komkhqizo omkhulu wommbila omhlopho eFreystata.

Kuzosiza kakhulu ukuba ukwazi ukuhlola isilimo sakho sommbila ukuze wenze isilinganiso sokugcina sesivuno kanye nenzuso ongayithola kusukela kuMeyi kuyofikelela ku-Agasti 2016.

## Izizathu zokuphikelela ukwenza isivuno

Ukuhlawumbisela ngesivuno ongasithola kuzokwenza ukwazi ukuchaza uhlelo lokuvuna, okokuthutha kanye nomthamo wenqolobane odingekayo. Ukuqiniseka ngempela ngesivuno kuzokusiza ekwenzeni izinquma ezifana nezimo ze-Safex marketing, isimo sakho sangesikhathi esizayo ngokwezimali kanye nokukwazi ukuxumana nezikhungo zezezimali noma i-co-ops njengokuthola isibonelelo sesilimo esingalndeleta. Amanani ancike kungemuso leSafex kanye ereyhi yokushintshanisa i-Randi/heliDolla Kucelwa ukuba uthintane ne-Safex ukuze ubone intengo yamanje neyangomuso ukuze ukwazi ukubala ukuthi isilimo sakho singahle sikulethele malini uma sekuediwe ukwenziwa kwsilinganiso sesivuno.

Intengo yommbila omhlopho ingaba kuR4 850 ithani ngalinye ngokuzayo kanti intengo yommbila ophuzi ngokuzayo sekukhishwe izindleko zokuwuthenga kwamanye amazwe noma i-parity ungabiza uR3 450 ithani lilinye. Kwamanye amafama isivuno esingamathani ama-2 ihektha kuya kumathani ama-2,5 ihektha kungawanika inzuko enhle kakhulu.

Amafama akwazile ukukhqiqa isilimo sommbila omhlopho noma ophuzi ongaphezulu kwamathani ama-2,5 ihektha kule sizini bazokwenza kahle kakhulu ezimalini. Kwezinye izimo isilimi kuyoba ngcono ukuba sgcinelwé ukondla imfuyo ebusika noma zibe



ukudla kwemfuyo uma isivuno esilinganisiwe singafinyeleli ezingeni lokuba sivunwe.

## Mapharamitha okukhqiqa

Amafektha amanangi anomthelela ekukhqiqeni kanye namazinga abucayi okukhula kwesitshalo, ama-cultivar amanangi anokuthlakala, aba nawo umthelela ekulinganisweni kwsivuno. Lokhu kubaluleke kakhulu onyakeni onesomiso nokushisa okunezimo ezechukahlukene zesomiso kanye nokuduma kwezulu okuhambisana nezihlambi ezyiyizikhawu ezinikeza izilimo ezonga umswakama kanye nokukhula kwezitshalo ziye phambili.

Isimo sezulu esiguqguqukayo singayiguquila i-benchmark eshicilelwé mayelana nezinsuku zokuvuthwa ngokwefiziyoloji noma usuku lokuvuna lwama-cultivar athile.

Ipholisi enhle kakhulu ukucwaningisisa isilimo kuqala futhi wenze nezilinganiso eziqondile mayelana sesiteji sokuthuthuka.

Ama-cultivar ommbila akhona eNingizimu Afrika ukusukela ezinsukwini eziyi-105 kuya ku-145 ukuba ivuthwe ngokwefiziyoloji kanye no-155 kuya ku-180 wezinsuku kusuka ekutshaleni nasekuvuneni. Kufanele uqaphele uma la-ma-benchmarks enzeka kuma-cultivar ommbila atshalwa epulazini lako. I-conservation tillage practice izoziqhubeleka lezi zilinganiso ngezinsuku eziningi. I-Normal planting populations esetshenziswa ama-cultivar amasha ezisekukhqiqeni emhlabeni owomile uphakathi kuka-15 kuya ku-20,000 wezitshalo ngehektha ngalinye enhlabathini ephansi kuya ku-18 kuya ku-36,000 izitshalo ihektha ngalinye enhlabathini eseizingeni eliphezulu.

## Izikhwебу

Ngesikhathi sesiteji sokugcina sokukhula u-V12, eyenzeka ezinsukwini ezingama 42 kuya ezinsukwini ezingama- 46 emva kwesimo esiphuthumayo inombolo yama-kernel iyakhula, inombolo yama-kernel, kanye



nosayizi wendlebe uyalinganiswa. Ingcindezi yomswakama nokushisa kule siteji ku-zofinyeza ukukhula kwendlebe futhi kunciphise isivuno. Emva kwale siteji ukukhula kwendlebe kuqhubeka masinyane. Esigabeni sokuqala esaziwa njenge-R1 ama-silika/silks ayanbonakala ngaphandle kwama-husks kanye nosayizi wama-kernel iyalinganiswa. Ukuswileka komswakama kule siteji kungaholela ekulahlekeni kuka-7% wesivuno ngosuku. Isisindo se-Kernel sinquanya kustej R6 sokukhiqiza.

#### ***Ukulinganisa isivuno ngokulinganisa usayizi wesikhwebu***

Ifektha eseqoka engalinganiswa iqunuya ekwenzeni isilinganiso sesivuno inani lama-debe ku-unit area ngayinye, ama-kernel indlebe ngayinye kanye ne-average mass yama-kernels. Njengoba kuboniwe ngenhla, ungakhohlwa ukuthi isimilo sacindezeleka noma asicindezelekanga ngesikhathi sama-

phuzu abucayi achaziwe. Izikhwebu zingahlola ekuqaleni, esigabeni senhlama ethambile ukuze inani lemingqa namphoshini emigga e-pollinated futhi asekhlile. Khumbula ukunquma izikhwebu zibe ohhafu noma ubale ngokuqaphela imigqa okungaba phakathi kuka-8 no-20. Inombolo ejwayelekile kungathithi iphakathi kuka-12 no-16. Umbila ngenisa inzupo onezikhwebu ezinhle ungaba kwi-avareji ephakathi kwama-kernels angama-600.

Uma isilimo sisezingengeni lokuvuthwa ngokwefizyoloji kungenziwa isilinganiso esiqondile kakhulu.

#### ***Izitebhu zokubala***

Bala inani lezikhwebu endaweni angamamitha ayi-10 ngamanye ezindaweni eziningi ezimele umhlaba okucatshangwa ngawo, bala ama-kernel azoqina akhe okusanhlamvu okuvunekayo, kuzikhwebu ezincane, izikhwebu eziphakathi kwezincane eziphakathi kanye nezikhwebu ezinkulu, ukusebenzia

i-mass ka-0,28 grams i-kernel, bala i-mass yesikhwebu esincane esiphakathi nesikhulu Njengomhlahlandlela jikelele izikhwebu ezincane zinesisindo esilinganiselwa ku-120 grams, aphakathi alinganiselwa ku-150 grams kanye nezikhwebu ezinkulu zilinganiselwa ku-180 grams. Uma ungancamelia ukubala ngokuqonde ngqo i-mass kusukela enanini luma-kernels kwisikhwebu ngasinye noma ulinganise i-avareji kasayizi wezikhwebu ezibaliwe kumamitha ayi-10 noma emgqeni.

Ummiba omningi utshalwa emgqeni engamamitha angu-0,92 noma 0,75 noma kumatramp lines. Angu-108 by 100 metre rows noma u-10 800 wamamitha ezitshalo ehektheni eli-shalwe ku-0,92 ububanzi no-133 by 100 meter rows emgqeni owububanzi buka-0,75.

Ngalokho njalo ku-10 metres of points abaliwe ukulinganisa inombolo yezikhwebu i-multiplication factor yezibalo zethu kuzophuma u-1 080. Uma izikhwebu eziyishumi bezibaliwe kumamitha ayi-10 kunangama-20 x 1 080 ihektha ngalinye kuphuma izikhwebu eziyi-21 600 ihektha ngalinye. Kwi-medium cob mass ka-150 grams kuba u-21 600 x 150 uhlukanise ngo-1000 ukhombise amakhilogram (ama-kg) per ha (1 000 g/kg) uhlukanise ngo-1 000 (1 000 kg/ton) ukukhombisa amakhilogram (kg) per ha (1 000 g/kg) kuhlukaniswe ngo-1 000 (1 000 kg/ton) ukukhombisa amathani ihektha iyinye yesivuno esilindelekile. Impendulo kuzoba u-3,24 t/ha. Omunye angenza isilinganiso futhi asuse u-10% kuleso silinganiso ebenseniwe nesivuno esilahlekayo ukuze afinyelele esivunweni sokugcina esilinganisiwe sika-2,9 t/ha. Njengoba lokho kungabalwa kanje izikhwebu eziyi-180 wamagraru zizokhipha isivuno esilinganiselwa ku-3,5 t/ha.

#### ***Isiphetho***

Ukngakholwa noma yisiphi isimo sezulu ohlangabezana naso ngaphansi kwasigaba esibucayi sokukhula esingahlasela isilimo sakho ngesikhathi wenza isilinganiso sesivuno ngaphambi kokuvuna isilimo sakho ngempela. ⚪

***I-athikhili ibhalwe umfana asathatha umhlalaphansi.***

# IKHANOLA – nquma isiqu seSclerotinia esibolile sehle sibe usayizi

**U**kubola kwesiqu i-Sclerotinia stem rot (*i-Sclerotinia sclerotiorum*) ngesinye sezinkinga ezinkulu uma kuza ekukhiqizweni kwekhana nasekutholeni isivuno esikhulu.

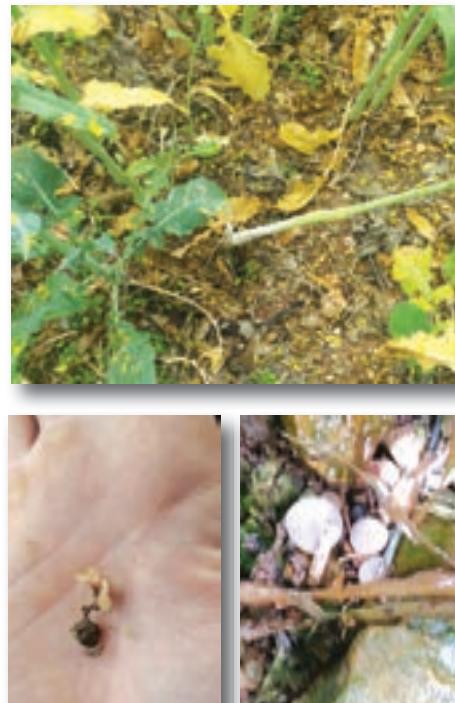
Kuze kwaba unyaka ka-2013 umthelela walesi sifo embonini yeKhanola eNingizimu Afrika wawuthathwa njengomncane ngokunganakiwe. Kusukela ngo-2014 kodwa, ukuphathwa kwalesi sifo kube nzima kakhulu kanye nokweliuleka kokwenze njalo kuholele esivunweni esingaphansi kwe-avareji.

## Izimpawu nezimo ezifanele

Izimpawu ezimpunga, *i-bleached lesion* esiqwini sesitshalo sekhanola. Isimila esimhlophe se-fungal, izomila ngaphansi kwezimo eziyivumelayo Ngokwejwayelekile itholakala ngaphansi esiqwini esikhulu, kodwa ingamila esitshalweni sonke. Lapho kwaba nomthelela khona isihlahla siyadondobala futhi sibune nokungaholela ekutheni sisheshe svuthwe.

Lokhu kushesa ukuvuthwa (ukufa kweshalo) kuzodala ukulahlekelwa yizinhlamvu nokuncipha kwesivuno. Umthelela osudlondobile ongabonakala njengezimo engajwayelekile izindigilizi ezimnyama esiqwini. *I-sclerotia* (imizinjani eyizindigilizi) yisimo sokuphila se-fungus.

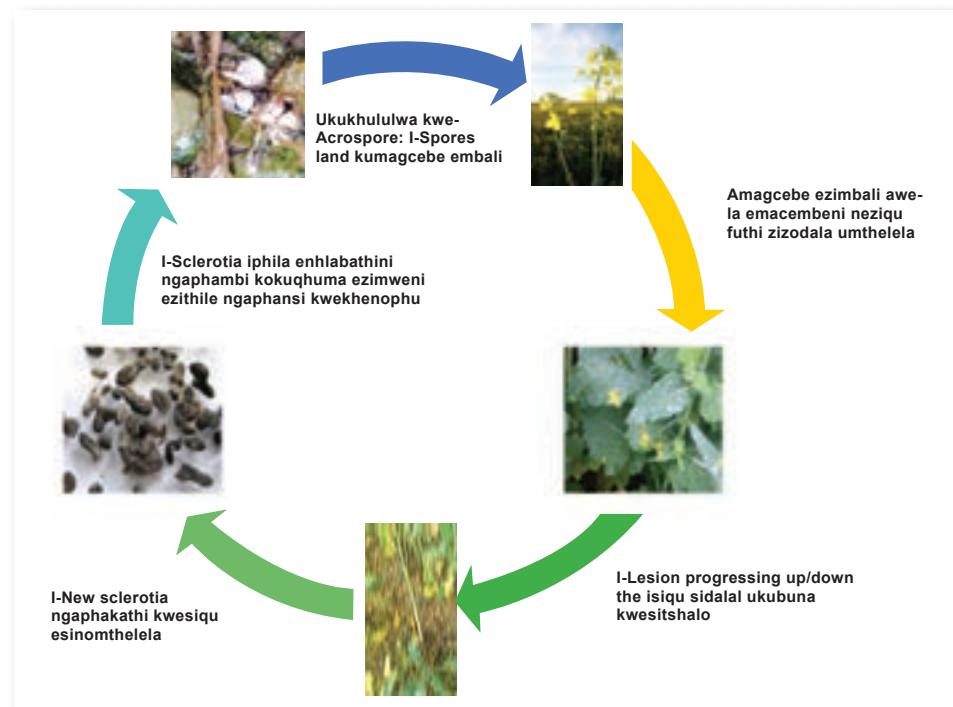
Ufiga 1: I-life cycle ye-Sclerotinia.



I-life cycle ye-Sclerotinia.

## I- Life cycle

I-life cycle ye-sclerotinia ingabonakala ku-Figa 1.



Ikhanola ino-20% wezimbali – 15 wezimbali ezivulekile nemidumba esiqwini esikhulu.

**Ithebula 1: Ukubona isikhathi sokuqhakaza kwezimbali.**

Isigaba sokumila kwezimbali	Izimbali eziwulekile esiqwini esikhulu (okubandakanye nemidumba)
10%	10
20%	14 to 16
30%	20

I-sclerotia izoqhuma kuphela ngapansi kwezimo ezifanelekile ezingafingwa ngale ndlela elandelayo:

- Izimo ezihlala isikhathi eside zomhlaba omanzi.
- Isimo sokubanda nokushisa esiphakathi kuka-11°C kuya ku-14°C isikhathi esifinyelela ezinsukwini eziyishumi nesikhathi sezimbali zokuqala.
- Isimo esimanzi sezintshalo (inkungu nama-zolo) isikhathi eside ngesikhathi sifakela izimbali.

La mafektha alandelayo angaba nomthelela ebungozini be *Sclerotinia* yensimu yakho:

- Ikheneophi eminyene nehlangene.
- Ikhano noma amaluphini ensimini emlandweni wakamuva (i-sclerotia ingaphila iminyaka eyisithupha enhlabathini).
- Izigameko zezifo ezitshalweni zokugcina ezi afekthekile.
- Ibanga kusuka esitshalweni sokugcina esithelelekile.
- Izimo zezimvula nezimanzi ngesikhathi sokuhluma kwezimbali.

**Ukulawulwa kwe-sclerotinia**

Eminyakeni embalwa edlule kwensiwe uvivinyo lwama-fungicides futhi imiphumela yohlol oluningi beyikade ithembisa. Okwamanje mibili kuphela imikhiqizo ebhalisiwe ukuze isetsnzwe ukubulala i-sclerotinia kukhanola, ebizwa nge-Amistar ne-Prosaro.

Isikhathi se-aplikheshini yiso esiyengxenyi ebaluleke kakhulu ye-aplikheshini yakho kwazise isikhathi sesiteji esifanele sincane kakhulu. Inhlosso ye-aplikheshini yama-fungicide ukukhava amagcebe amanangi ngenkathi uqinisekisa ukuthi amakhemikhali nawo ayangena kwikhenophi ezosiza ukuvikela amasaythi (afana nama-leaf axils nama-bases). Ikhemikhali isebenza kakhulu kumagcebe asuke ekhona ngesikhathi sokufafaza. Amakhemikhali ngeke avikele amagcebe avela emva kukufafaza. Ama-fungicides ngeke ayelaphe imithelela esivele engenile eziqwini zezitshalo, kwazise isidingo soku-aplaya ama-fungicide phambilini ekuweni okubalulekile kwamagcebe ngenkathi izimo zivumela umthelela we-sclerotinia. Kubalulekile ukufafaza ama-fungicide kakhulu kumagcebe aphuzi ngaphambili kukuwa, okuvamise ukwenzeka ku-20% kuya ku-50% wokuqhakaza kwezimbai.

**Ithebula 1** ingasetshenziswa njengomhlahndlela wokunquma isikhathi esifanele se-application yama-fungicide.



*Ikhano ino-30% wezimbali – 20 wezimbali eziwulekile nemidumba esiqwini esikhulu.*

**Isiphetho**

Isikhathi soku-aplaya ama-fungicide yifektha ebaluleke kakhulu okufanele uyicabange uma unquma ukufafaza le sifo (mayelana namafektha owashilo phambilini). Qapha isilimo sakho kakhulu futhi uqhubube njalo wenzele isikhathi esiyisona. Kubalulekile ukuthi ama-cultivar ahlukena anezikhathi ezahlukene zokukhula kanye nama-reyithi ahlukena ezimbali. Qinisekisa ukupapha onke amsimu akho ngaphambi kokufafenza isikhathi esifanele saleyo nsimu ethile.

Uma ulandela *i-pro-active integrated management system* ebandakanya ujikelezo wezilimo, ukukhethwa kwama-cultivar, *i-programmu kamanyolo*, *ne-fungicides*, *i-sclerotinia* ukubola kwasiqu akufanele ibe yinkinga kusilimo sakho sekhanola. ☺

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# Siza isoya yakho ngokonga umswakama

**I**soya ngokujwayelekile itshalwa ngokushintshaniwa nezinye izilimo ezifanele endaweni olima kuyo noma ngaphansi kwestimtu yokukhiqiza emhlabathini echelelwayo noma eyomile. Le athikhili izohlola amanye ama-fektha okufanele ungawakhohlwa uma uqalisa iphrogremu yokonga umswakama emhlabenzi owomile okhiqiza isoya.

## Umthamo wamanzi ngokwesimo senhlabathi

Ngaphambi kokuba sibheke ukuvikeleka kwe-safeiyisi yenhlabathi kubalulekile ukuqondisa into ethile yenhlabathi ama-*physical properties*. Isimo enhlabathi ne-structure kunomthelela omkhulu ekumuncekeni nase-kuthubelezeni kwamanzi, nasekubambekeni komthamo wamanzi. Ngesimo senhlabathi siqonde ukwakheka kwenhlabathi kanye na-nogokwesilinganiso, okuncane, okumphakathi nendawo nezinhlaiya ezinkulu zebumba, i-silt kanye nesihlabathi.

I-structure senhlabathi sizungeze izinhlaya zenhlabathi ezibone ngenhla zihlelwe ngokwamayunithi azinile abizwa ngokuthi ama-aggregate okunikeza inhlabathi i-structure sayo. Ama-aggregate angaxega futhi abe yimbudumbudu noma angakha amaphethini ahlukile afanayo. Izindlela zokuthila, ukujikelezisa izilimo nemikhuba yokuphatha kuzonquma ukuthi uyawakha noma uyawabhidliza ama-aggregate emva kwesikhathi eside.

Izimbotshana zenhlabathi zincike ezikheleni eziphakathi kwezinhlaiya zenhlabathi neziqukethe umoya namanzi. Inhlabathi ngokomthamo wensimu ingaba no-50% umoya no-50% wamanzi kuphfayili. Lesi

yisimo esifanele senhlabathi yokukhiqiza echelelwayo noma eyomile. Amanye amafektha abalulekile ekuhloreni nasekwakheni inhlabathi yakho ngamareyti okumunceka noma ukugeleza kwamanzi ukusuka kusafeyisi yenhlabathi kuya kuphfayili okuchaza amandla enhlabathi ukuvumela ukuthubeleza komoya nokwamanzi kuphfayili yenhlabathi ayofika kuzoni yezipande. Ukuze kwenzeke ibhalansi ekhuthaza isitshalo ukuba simunce umswakama namanyuthriyenti.

## Ungakanani umswakama ongacineka enhlabathini ngokomthamo wensimu?

Amaklasi asemqoka enhlabathi akhonjiswa **kuThebula 1** ngenzansi kanye nomthamo wokubamba umswakama wohlobo ngalunye ngokwama - mm njalo ekujulen kwenhlabathi okuyi-10 cm. Khumbula ukuthi uhlolo ngalunye Iwenhlabathi, enokujula okwanele ukuba yonge ngempumelelo, egcinelwe ukukhiqiza emhlabenzi owomile wezolimo uzobopha kusukela enhlabathini engaphezulu, i-subsoil, kuyofikelela nasemikhakheni yenhlabathi oyibumba nomunye unomthamo ohlukile wokugcina umswakama.

Inhlabathi efanele ukukhiqiza emhlabathini owomile iba nesafeiyisi evundile ene-structure esihle se-topsoil, i-subsoil ngaphezulu komkhakha webumba okuthi uma ugcwele umswakama ingasiza iwugcine kuyo yonke iphofile yenhlabathi.

Isibonele inhlabathi yase-Westleigh inomhlabathi onokujula okuyi-120 cm no-90 cm kwe-topsoil ne-subsoil eyakhwi nge-sandy loam ngaphezu kwe-silty clay, izinga lomswakama ongaciniwa ingaba u-90 cm udivayidwe noga-

10 cm x umthamo wamanzi abanjwe enhlabathini ekhonjiswe ngenhla okungu- 11 mm per 10 cm plus 13 mm per 10 cm x ngebhalansi ka-30 cm eyakha iphfayili yonke yomhlabathi. Impendulo ithi yonke iphfayili yenhlabathi ingacinau-174 mm noma u-30% wemvula yonyaka endaweni lapho imvula iyi-avareji engu-600 mm.

Uma ungacina leli nani lomswakama ngaphambi kwsizini yokutshala lokho kungakubeka esimweni esihle ngempela sokuba utshale ngesikhathi futhi nezitshalo eziqhumile zikhule kale amaviki ayisithupha kuyofikelele ezinyangeni ezimbili ngaphambi kokuba kudingke imvula yokuchibiyela.

## Ukukhulisa ukugcina komswakama

Isistimu yakho yezolimo, noma ingeyona i-conventional noma kuyi-convention ukuthila, kufanele kuqaliswe ukuze kuhulisa ukulondolozwa komswakama. Kanye nezilimo eztshala wa ngokomjikelezo wokujikelezisa isistimu kufanele ikhulise ukugcina kwezinsalela eziningi phakathi kwezilimo ezikusafeyisi yomhlabathi ukupromotha ukumuncekawamanziemvulanokugcinaiphofayili yenhlabathi ephezulu nengaphansi ikhululekile isebezisa kale ama-ripper noma ama-tyne implements afanele ukuze kuthi yonke imvula ingene kuphfayili yonke. Ukulawulwa kale kokhula, ukugcina ukulahleka komswakama kusemazingeni aphansi, kufanele kuqaliswe mhlampe kulawulwe ngemishini noma ngamakhemikhali nangokujikelezisa izilimo.

## Isiphetho

Ukugcina onke amafektha abalulekile enhlabathi ohlelweni olusengqondweni isistimu yokulima ezokhulisa ukwakheka komswakama wenlabathini nokongeka ukuze unekeze isoya yakho elinywa enhlabathini eyomile ithuba elihle lokuphila ngesikhathi sesomiso sesizini yokulima. ☺

**Ithebula 1: Umthamo wamazi atholakalayo ngokwesimo senhlabathi.**

I-Textural class	Umthamo wamanzi atholakalayo (ama-mm per 10 cm okujula kwenhlabathi)		
	Uhla oluphansi	Uhla oluphakeme	I-avareji (i-rounded off)
I-coarse sand	2,08	6,25	4
I-fine sand	6,25	8,33	7
I-loamy sand	9,17	10,00	10
I-sandy loam	10,42	11,67	11
I-fine loamy sand	12,50	16,67	15
I-silt loam	16,67	20,83	19
I-silty clay loam	15,00	16,67	16
I-silty clay	12,50	14,17	13
Ibumba	10,00	12,50	11

**I-athikhili ibhalwe ngumfama osathatha umhlalaphansi.**



# Nalu-ke uhla lokuthikhwa luk**sunflower** bhekilanga Iwango-Ephreli

**U**kutshala nokuvuna kungaba umsebenzi wokulinga onomhlomulo uma ufaka umfutho wokwenza izinto ngokuyikho. Kudingeka uchithe isikhathi uhlela umsebenzi wakho ngokucophelela futhi uqiniseke ukuba awunqamuli amakhona.

Njengoba ubhekilanga yisilimo esiqinile futhi angakwazi ukumelana nesimo sesomiso, akungabazeki ukuthi bazoba baningi abalimi abatshale ubhekilanga kunoombila kulo nyaka. Qinisekisa ukuthi uyasanakekela isilimo sakho ukuze uhlomule kakhulu kusona.

Njengamanje umsebenzi wakho omningi oyisisekelo kufanele ukuba usuwenzile, njengokutshala nokufafaza. Obhekilanga kufanele ukuba bayaqhakaza izimbali noma ziyoma. Maningi amafektha abalulekile ongacabanga ngawo kule sigaba:

- Ukulawula ukhula;
- I-Folio feeds;
- Isibulali zinambuzane;
- Amalungiselelo okuvuna; no
- Kumaketha.

## Ukulawula ukhula

Ukuvunwa kukabhekilanga kungaba umsebenzi oyinkinga njengoba izinhlamvu zavo zincane kakhulu. Lokhu kusho ukuthi iningi lezinhlamvu zokhula olujwayelekile nazo zingangena kwii-

khombayini futhi zixubane nezinhlamvu zikabhekilanga ngenxa yosayizi. Yingakho kubalulekile ukuzama nokugcina umhlaba kabhekilanga wakho uhlanzekile.

Imbewu yokhula uma zixubana nezinhlamvu zakho kungaba nomthelela omubi kugreyidi yakho futhi kanye nasenanini lentengo oyitholayo ngesilimo sakho. Qaphela ukuhlakula lonke ukhula Iwe-*Datura* (i-Olieboom) njengoba lokhu kungadala izinkinga eziningi ngesikhathi sokuvuna. Uma unephesenti elikhulu le*Datura* ezinhlamvini zakho ezinye izikhungo ngeke zamukeli lokho kuzokudalela ezinye izindleko zokuhlanza izinhlamvu zakho zikabhekilanga. Okungenani chitha isikhathi ngaphambi kokuvuna ubheke umhlaba wakho nesilimo uhlakule lonke ukhula olungauneki. Kuzokongeka izindleko ezinkulu ngomuso.

## I-Folio feeds

Uma isilimo sakho sibukeka kwangathi sise-simweni esihle ngakho kuzoba ngumqondo omuhle ukucabanga ngokusinika isaplimenti nyuthriyenti aplikheshini. Lokhu ngokwejwayelekile kwenziwa ngesifafazi kwiphoyinti le-budding ngaphambi kokuba ikhanda likabhekilanga livuleki. Abalimi abaningi ba-aplanya i-folio feeds noma i-Boron chemical spray engabhusta isivuno uma izimo zivuma.

## Ukulawula izinambuzane

Uma ikhanda likabhekilanga selizenzile izinhlamvu liheha kakhulu izinambuzane eziningi ikakhulukazi izinyoni ezifana nama-juba nama – *quelea finches*. Yingakho kubalulekile ukuzama futhi ukulukhipha masinyane lonke ukhula emhlabathini. Qiniseka ukuthi yonke into ilungele ukusebenza masinyane

uma ubhekilanga esome ngokwanele ukuba uvunwe. Iningi labalimi lithatha izinyathelo zokuvikela ukuze zizame ukuqedu umonakalo udalwa yizinyoni.

Lezi zinyathelo zingabandakanya izachuse/umlindansimu, ukudubula kanye namakhenoni adedela umsindo omkhulu ozokwethusa izinyoni zibaleke. Lezi zinyathelo zingasebenza isikhashana esifushane, kodwa izinyoni zisheshe zibone ukuthi ayikho ingozi lapha ziphinde ziqhubike nokudla isilimo sakho.

## Amalungiselelo okuvuna

Njengobe ngike ngasho phambilini, isikhathi siyikho konke futhi kufanele ube nayo yonke impahla yokusebenza ime ngomumo ngokushesha uma isilimo sesome ngokwanele ukuba sivunwe. Bheka yonke imishini yakho ngokucophelela ukuze uqinisekise ukuthi ngeke ube nayo inkinga sekuqale ukusebenza. Nakekela ngokusipesheli uma usebenza ngekhombayini yakho ukuze uqiniseke ukuthi zizoba ncane kakhulu izinhlamvu ezmosekayo. Lokhu kusho ukuthi i-header yakho kufanele ibe sesimweni sokusebenza kahle nezisefo futhi kufanele zifakte kahle futhi zisebenze kahle kakhulu.

Qiniseka ngokuhlolama-blowers futhi uwasethe ngokufanele ukuze angaphephethi ngamandla nakho lokho kungazimosi izinhlamvu. Okokugcina bheka onke ama-trailer namatraki nokuzoba yi-carting yezinhlamvu ukuhlolama-blowers ukuthi azikho izikhewu nezikhala lapho izinhlamvu zizovuza khona.

## Ukumaketha

Yiba nohlelo olukahle mayelana nalapho uzodayisa khona lapho umkhiqizo wakho. Qiniseka ukuthi uzama ukuthola intengo enhle yezinhlamvu zakho njengoba ama-margins enzuzzo yezinhlamvu ahlala enciphile ikakhulukazi onyakeni wesomiso ofana nawo lo esisanda kuwubona. Iso lakho alingasuki emakethe ukuze uyazi kahle i-value yomkhiqizo wakho ngqo.

Khumbula ukuzama njalo ukuthola okungi ngesilimo sakho. Lena iyona kuphela indlela yokwenza imali kwezolimo namuhla. Yonke into yehlela phansi ekuphatheni kwakho kanye nokunaka imininingwane.



Ikhanda likabhekilanga liphila ngempela.

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# I-Grain SA i-inthavyuwa... uRemember Wiseman Mthethwa



**U**lwazi, ubuchwepheshe, ukusebenza kanzima kanye nokuba nentshisekelo yalokho akwenzayo, yikho okwenza uRemember Wiseman Mthethwa abe yilo mfama ozinikele awyena. U-Remember uyingxene ye-Advanced Farmer Programme, ilungu le-250 Ton Club futhi njengamanje unguisihlalo we-Amajuba Study Group eNewcastle.

## Ulima kuphi futhi mangakhi amahektha owallimayo? Ngabe ulima ini na?

Ngilima endaweni yaseDannhauser, phakathi kweDundee neNewcastle enyakatho neKwaZulu-Natal. Ngiqashe ipulazi i-Milnedale, lika-Mnu Albert Eicker wasePitoli, elingama-612 ha ubukhulu. Leli kwakuyipulazi lomndeni, kodwa besekuphele iminyaka lo mndeni ungalisebenzisi, futhi laliqashiselwa abalimi abehlukene kusukela ngasekupheleni kweminyakeni yowo-1940. Ngi-kwazile ukulinweba futhi ngavula umhlaba ofikele-la ku-200 ha. Ngesikhathi ngiqala ngokwemvelo wawulinganiselwa ku-40 ha umhlaba owawukhona, nomhlaba omdala owawungahlanyelwe.

Ngonyaka odltre ngathenga u-14 ha wokulima kwamakhelwane, i-Greenvale, eyayisetsenziwelwa ukufuya izingulube nomunye futhi umhlaba. Ngiqashe umhlaba ongama-80 ha ku-Mnu Henk Zaal, epulazini i-Lilydale, kanye nomunye owu-20 ha ku-Mnu Willem Raubernhorst.

Ngitshale u-260 ha wommbila kanye no-53 ha ka-sugar beans kulonyaka, ngilahleke-lwe ngomunye umhlaba wami engangiuqashile eminyakeni eyadlula. Ngine-yunithi engu-140 yenyama ebomvu, lapho nginezinkomo ezingama-80 namankonyane. Futhi nginamayunithi okuzalani-sa izingulube ayi-12 izimvu eziyi-70 nezimbuzi

ezingama-52. Izingulu-be ziyibhizinisi elikhulu, futhi ngisebenzisa omu-nye ummbila wami ngi-wuhlanganise nokudla kwazo ukuze nginciphi-se izindleko. Njengamanje ngizoba nawo ummbila owanele ozongiqhuba kuze kufike isikhathi sokuvuna – lokhu kwenza umehluko omkhulu njengoba zikhuphuka izindleko zokudla.

## Ngabe yini ekugqugguzelayo /ekunika ugqozi?

Sakhulela epulazini eLilydale futhi sasisebenza sihlala kwa-Mnu Louis Alberts, kodwa nathi sa-sizilimela. U-Mnu Alberts wayeyisibonelo sami – wayesisebenzisa kanzima futhi elawula uxhaxha Iwamabhinisi epulazini. Ngafunda ukubona ukuthi ukuba umlimi yimpilo yami – kondla umndeni wami, kungifakela imali kanye nekusasa. Kubalulekile futhi nasesizweni sethu, njengoba bonke abantu badinga ukudla ukuze baphile.

## Chaza amandla kanye nobuthakathaka bakho

**Amandla:** Amandla ami amakhono engiwa-fundile – izilimo, imfuyo, nokwazi ngokwakudinge-ka epulazini. Ngisebenza kanzima futhi nginogqozi ngengikwenzayo. Ngiyathanda futhi ukusebenza nabantu, ukusiza labo engingabasa kanye nokufunda kulabo abanakho aba-ngangifundisa khona. Ngiyathanda ukuzama izinto ezintsha uthi ngivulelekile ukuzama yonke into, angizizwa nginqunyelwe.

**Ubuthakathaka:** Ubuthakathaka bami ukuthi angi-fundile ngokungako, futhi kaningi ngidinda usizo naga-la mamkhono. Ngezinye izikhathi lokhu kungapheleli kuyakhathaza, kodwa nguyazama ukuzithuthukisa.

## Sasingakanani isivuno sakho ngenkathi uqala ukulima?

### Singakanani isivuno sakho manje?

Ngesikhathi ngiqala ngo-2012, isivuno sami sasingagculisi – ummbila omhlophe wawungu-2 t/ha kanti umbila ophuzi wawungu-3 t/ha. Ngale-so sikhathi wawungcono kualokho esasikuthola ekhaya kodwa ngangibona ukuthi abalimi abagenisa inzuza bona BABENZA kangcono kakhulu futhi nami ngangifuna ukwenza kangcono. Isilimo sami sokuqala sasingu-40 ha.

Unyaka odltre nawo ube unyaka wesomiso kithi, kodwa ngikwazile ukusondela kumathani ama-4ngokwe-avareji. Kulonyakaisilimosibukeka singcono kakhulu phezu kwesomiso – ngiyakhola-ka ukuthi nginawo amandla kimina nakuwo lomhlaba okukhiquiza u-6 t/ha. Omunye kulo mhlab-a ungakhiquiza u-7 t/ha akekho okufanele abe nesivuno esingaphansi kuka-5 t/h. Kusezandleni zikaMenzi ukunquma ukuthi sizoba ngakanani isivuno kulonyaka.

## Ucabanga ukuthi ngabe yini ebe nomthelela omkhulu enqubekeleni phambili kanye nempumelelo yakho?

Ulwazi nobuchwepheshe. Ngaqala ukwenza amasampuli enhlabathi, nokusebenzisa amasu ezolimo agcono, ngasebenzisa imbewu engcono, amakhemikhali nomanyolo. Ekutshaleni izilimo ngiyakhola ukuthi ikusasa lami lisenhlabathini, futhi ngaleyo ndlela kudingeka ithuthukiswe. Uma kwenze-ka, ngisebenzisa izitingi zezinkukhu ukusiza ukwenza ngcono (amazinga okuvundisa) inhlabathi. Ngifundile emaphutheni ami futhi khathi zonke ngithanda ukuzama izindlela ezintsha. Kulo nyaka ngiqale ukuzama ama 'no-till' ukubona ukuthi kuzohamba kanjani lokho.

## Ngabe usuthole ngqequesho yini kuze kube yimanje futhi iyiphi ingqequesho osathanda ukuyithola?

Ngesikhathi ngiqala, iSeda wangisiza ngengqequesho yebhizinisi namakhono okuphatha. UmNyango weZolimo wasiza ngezifundo zokuqequesha, ikakhu-lukazi ngasohlangothini lwemfuyo. I-SA Breweries phroekthi kulo nyaka isinikeze uqequesho kanti futhi ngiphinde ngathola okunye ukuqequesha kwa-Grain SA. Umqeqli wami naye wangisiza ngengqequesho yasepulazini nangezincavelo.

Ngingathanda ukuthuthukisa amakhono ami ngasohlangothini lobunjiniyela nokucina phecelezi maintenance, ukushisela njalonjalo.

Asikho isifundo esiqondene nommbila engine ngasenza futhi ngingathanda ukuthi kube khona engisenzayo, ngisiqhubekise ngokwezinga eliphezelu njengoba lesi yisilimo sami esikhulu nebhizinisi lezolimo. Ngingathanda futhi ukufunda kabanzi nge-precision farming nokusebenzisa ubuchwepheshe obuhambiana nayo, ikakhlukazi i-GPS monitoring and applications.

## Uzibona ukuphi esikhathini esiyiminyaka emihlanu? Ngabe yini ongathanda ukuzibona uyzuzile?

Kumnandi ukuba naleyo micabango, kodwa ukufikelela lapho ngenye into. Kufanele ube neqiniso,

# Uma kuvela ubungozi, kungafundwa izifundo ezibalulekile



**Ukwahlukanisa amabhizinisi akho kuzoba nomthelela omkhulu ngokuphambanisa imithelela yobungozi.**

K u-athekhilli edlule sibuchazile ubungozi bokwenzeka kwezinto ngokuzuma, ezingahlelelwe, eziphambene nemvelo, ezingajwayelekile, izehlakalo ezingalindelekile zingenzeke, futhi zingadala uhlobo lokulahlekewa.

Khumbula njengomlimi uma uqala ukukhiqiza umkhiqizo wezolimo usuke usubhekene nobungozi. Ngokubanzi usuke usubhekene nobungozi bomkhiqizo, ubungozi bokumaketha kanye nobungozi bezezimali.

Ngesikhathi senqubo yokukhiqiza ziningi izehlakalo ezingenzeka ezifana nesimo sezulu esingaqondakali (isomiso, izikhukhula, isichotho, isithwathwa esikhulu) nokwenzeka kwezinhlakelele ezifana nemililo yamaqe kanye nokubhedula kwezifo zeztishalo nemfuyo.

Ngesikhathi senqubo yokumaketha izehlo zingenzeke ezingaphazamisa inqubo yokumaketha ne/noma ku-afektheke amanani entengo ngendlela embi. Ukulahlekelwa kungaba yinto ephathekayo – ngeke ukwazi ukumaketha umkhiqizo (amabhuholo ayabhidlika ngesikhathi sezikhukhula). Noma amanani emikhiziso yakho angehla ngenxa yokunye noma izizathu ezingaphezelu kwamandla akho.

Ubungozi bezezimali kungaba ukuthola imali encane ne/noma izinkinga zokugcina isimo se-cash flow esihle, lokho ku-afektha impumelelo yemali yebhizinisi. Kungaqpapeleka ukuthi ukukhiqiza, ukumaketha nobungozi ezimalini lezo yizinto ezisondelene kakhulu.

Ingingi lamafama ethu lihlaselwe kakhulu yi-somiso (ubungozi obuhlale isikhathi eside) lokho kugcizelela kakhulu ukuthi ibhizinisi lokulima kukho konke yibhizinisi ekungelula ukulipatha futhi akulona labanezhinhlizyo ezibuthaka. Ngeshwa ngeke kube yisomiso sokugcina lesi. Njengoba iNingizimu Afrika ngelinye lamazwe omile emhlabeni ngakho ijwayele ukuhlaselwa yisomiso njalo, ngakho-ke kufanele sithi silima sibe sinakho lokho engqondweni.

Ukwamukela iqiniso lokuthi isomiso sidale ezinkulu izinkinga, zonke zinomphumela omubi ezimalini, kufanele uzame ukuhlala unethembra. Ngakho-ke ngabe yini esikufundile ngokuhlaselwa yisomiso? Ngabe kukhona esingakufunda? Sikhona isidingo sokucabanga imiphumela yesomiso nokuthi yini engenziwa ukunciphisa imithelela yesomiso ngokuzayo. Ku-zodingeka uthuthukise ukumenenja kwakho uma ufuna ukuphila njengomfama. Isomiso sizodlula

futhi uma ughubeka nebhibitini lakho lokulima, cabanga ngalokhu okulandelayo.

Mayelana nenqubo yokukhiqiza, sinombono othi isomiso sikugcizelele ukuthi, uma kunge-nzeka, kufanele wenze konke okusemandleni ukuhluhanisa ibhizinisi lakho lokulima libe ngamabhizinisi angaphezulu kwelilodwa. Ukwehluhanisa kusho inhlanganisela yemabhizinisi okulima angekho engcupheni yobungozi obufanayo. Hlukanisa ngezilimo ezikhula ngezikhathi ezingafani nezingazweli ngokufanayo esomisweni. Ukungeza ibhizinisi lezinkomo kuzoba nomthelela omkhulu ekuphambaniseni umphumela wobungozi. Ukwehluhanisa amabhizinisi kusho ukuphamabanisa ubungozi.

Isomiso naso sigcizelele ‘Yenza izendla-lelo kahle’. Ngokuphathekayo, lima noma yini, ngendlela eyiyona. Lungisa umhlabu wakho ngendlela, tshala ujule ngokufanele, lawula ukhula nezinambuzane ngokufanele. Uma kufika isikhathi sesomiso nesitshalo sakho sommbila kuzodingeka sibange umswakama nokhula lapho umthelela uzoba mkhulu kakhulu.

Ukusebenzisa izindlela ze-conservation farming nakho kuqhakambisiwe I-conservation farming ingachazwa njenge sistimu ezimelelayo

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## I-Grain SA i-inthavyuwa... uRemember Wiseman Mthethwa

wazi ukuthi kuzomele usebenze kanzima, imali (kuzwakala kwangathi yiphupho) nesimo sezulu esingaqondakali. Ngingathanda ukusebenzisa ubuchwepeshe obuphambili obukhona, ngi-apluye *i-precision farming* futhi ngizenzele konke lokhu mathupha. Ngingathanda ukuba nendawo engeyami. Ukuqasha kuyingozi njengoba ngifaka umfutho omkhulu, futhi njalo uma ngithuthuka, irenti iyakhuphuka.

### Ungabeluleka uthini abalimi abasebancane?

Iseluleko sami ukuthi kufanele ube NENTSHI-SEKELO yokulima, usebenze kanzima, uzinikele futhi usebenzise namathuba. Ungalindeli omu-nye umuntu ukuba akwenzele yonke into, qala ngalokho onakho futhi ungasheshi. Funda lokho ongafunda, emaphutheni owenzayo nakwabanye. Ngeke wenze inzizo eningi kodwa kudingeka ubekezele – ukulima akulona ibhizinisi elinembu-siselos eningi.

Ulwazi lulukhuni, ungafunda ngalo kodwa kudingeke uluphrakthize futhi uthole labo asebenzile bakusize bakufundise.

Le somiso singifundise ukuthi amanzi ayigugu, ebantwini, emfuyweni nezilimo. Yonke into kufanele yenziwe ukwenza ngcono, ukulondoloza nokusebenzisa lomthombo ngokunakekela.

Ngesikhathi sami esiyisipele ngihlale ngicabanga ngokuthi ngingazithuthukisa kanjani kanye nemboni yami. Isizwe sethu sidinga ukudla.

Labo abacabanga ngokungena kwezolimo kudingeka bacabange ngokucophelela ukuthi EMPELENI yini abayifunayo, banangi kakhulu abantu abafuna ukulima, futhi ukuthola ipulazi AKUKHONA ukuba abalimi. Ukuba umlimi kudinge ka ukwazi ukwethembela kuwe, ukukwazi ukuzemzela wena ngokwakho. Ungacabangi ukuthi ungathembela kwabanye noma kwizinkontileka ukuba wenzelwe yizo ngothando lwakho lonke lwenhliziyo yakho. Kudingeka ukwazi UKUZENZELA WENA MATHUPHA.

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## Uma kuvela ubungozi, kungafundwa izifundo ezibalulekile

nenenzuso enciphisa ukuphazamiseka kwenhlabathi ngokwe-*minimum tillage* nokujikeleziswa kwezilimo ngenhoso yokushiya izimvithi eziningi zezitshalo (ukuvundisa) enhlabathini ukwandisa ukumunceka kwamanzi.

Mayelana nemfuyo, yenza okufanele ukwenze ngemfuyo yakho. Kubaluleke kakhulu ukusebenzisa i-*grazing management system* efanele ko-dwa ungalokothi ulisebenzise kuze kweqe idlelo. Sebenzisa inkambiso yomthamo wedlelo lendawo yakho ngazo zonke izikhathi. Kubalulekile futhi ukukhanda ibhangane lokugcina ukudla (gcina utshani obomile/ noma ukudla kwezinkomo) wenzele ukondla imfuyo uma kuhsela isomiso. Uma kwe-nzeka yenza ibhangane lokudla ukungakwazi ukondla umhlambi wakho okungenani isikhathi esiwunyaka.

Mayelana nokuphatha ezokumaketha hlukansi ukumaketha umkhiqizo wakho futhi ucabange ngokubhekelela umkhiqizo ozokwengeza i-value. Uma ucabanga ukuthi ipulazi lakho lincane kakhu-lu ukuba ungangeza i-value emkhiqizweni wakho, kungaba njani uma ningenza iqembu?

Mayelana nezokuphatha kwemali ukusebenzisa ibhajethi elungele nakho kugqakambisi-

we. Lokhu kusho ukuhlela ibhizinisi lakho ngokufanelekile, uqale ngeminingwane yephrogremu yokuphathwa komkhiqizo wamabhizinisi onke futhi kusukela lapho kulandele ibhajethi yonyakazimali yonyaka ngokusezingeni eliphakeme. Ngaleso sikhathi lima ngokwebhajethi yakho.

Ukufingqa cabanga ngokwehlukanisa amabhizinisi futhi usebenzise i-conservation farming, yenza izisekelo ngokufanelekile futhi ulime ukulima kwakho kungaguluki ohlelwani nakubhajethi yakho.

Ukhiye wokuthambisa umthelela wezechlo ezhahlukhene ukuphatha – ukuplana, ukuhlela, uku-implimenta nokulawula ngokufanele oku-nomhawu. Ngaphansi kwesimo sanoma yisiphi isehlo esibi kakhulu, esifana nesomiso esidone isikhathi eside, ungakuthola ukuthula – ukwenzile okusemandleni akho.

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