

PULA IMVULA

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IMAGAZINI YAKWAGRIN SA YOPHULISO LWABAVELISI



Yithintele iminqa yemali ENGACWANGCISELWANGA

Ifoto: Tersia Drotsky.

KUBALULEKILE UKUQONDA IINDLEKO EZAHLU-KILEYO ZESHISHINI – AKUKHATHALISEKI NOKUBA LISHISHINI LOMNTU OMNYE OKANYE LIQUMRHU. NOKUBA KUKWELIPHI ISHISHINI, KUQUKA ISHISHINI LOKUFAMA, ZIMBINI IINTLOBO EZISENTLOKO ZEENKCITHO – IINDLEKO EZINGESOSIGXINA NEZISISIGXINA.

Ezinye iinkcitho ziya kutshintsha ngokwanda okanye ngokuncipha kwemveliso. Nangona kunjalo, zikhona iindleko eziya kuhlala zinjalo zide zifikelele kwinqanaba elithile kwaye azichatshazelwa kukwanda okanye kukuncipha kwemveliso. Ngoko ke, iindleko zahlulwa ngokweendleko ezingesosigxina ezokwabelwa ngqo nangokweendleko ezisisigxina ezenza iindleko ezipheleleyo zeshishini.

IINDLEKO EZINGESOSIGXINA NEZISISIGXINA

iindleko ezingesosigxina

iindleko ezingesosigxina zinxulumene ngqo nesixa esiveliswa lishishini. Ukuba ayikho imveliso, akusayi kubakho zimveliso zamalungiselelo nazindleko zingesosigxina zidingekayo. iindleko ezingesosigxina ziya kunyuka xa inqanaba lemveliso lisanda – umzekele, iindleko zembewu, isichumiso, ipetrolu okanye idizili kunye nezabasebenzi bamaxesha athile.

Ukuba kulinywe umbona, kulula ukubala isixa sembewu esidingekayo. Xa usandisa okulimayo, uya kudinga imbewu ethe kraty. Wonke umntu uyazi ukuba malunga nokulima umbona kudingeka imbewu, izichumiso, iikhemikhali zokutshabalalisa ukhula nezinambuzane, idizili, imali yokukhanda neyezinye iimveliso zamalungiselelo. Ezi mveliso zamalungiselelo zifanele ukuba khona ngexesha lokutyala.

iindleko ezisisigxina

Kwelinye icala, ezinye iindleko zifanele ukuhlawulwa ngenyanga nganye, ndleko ezo ezifana nezeakhawunti yeselfowuni, imivuzo ya-basebenzi basefama, igrosari nezinye iinkcitho. Ezi ndleko zenyanga zikhola ukubizwa ngokuba ziindleko ezisisigxina.

iindleko ezisisigxina ziyxalenye yeendleko ezipheleleyo ezingaguukiyo, akukhathaliseki nokuba bekulinywe okanye beku-nagalinywanga. Ngamanye amazwi, aziphenjelelwu kukwanda okanye kukuncipha kwemveliso.

Ukunika ingcaciso yoku kungentla, jonga umzekelo wezidingo zomzi wakho. Ukuba ulime iihektare eztithe kraty, izidingo zomzi wakho aziguuki. Kanti naxa kulinywe inani leehektare elinganeno, zikwahlala zingatshintshi. Kodwa xa siqwasela ihektare ngokwayo, iindleko ziya kutshintsha kakhu – ukuba kulinywe iihektare eztithe kraty, iindleko ziya kwanda. Akukhathaliseki ukuba kulinywe kangakanani, iindleko ezisisigxina ziba yinxenye yeendleko zizonke zeshishini.

Yithintele iminqa yemali...

Kwitheyibhile 1 (kwiphepha lesi2) kuboniswa umzekelo wephepha leendleko ezisisigxina zesiqhelo zeshishini lokufama. Kubalulekile ukuqonda ukuba onke amashishini okufamaaya kuba nazophantse zonke ezi ndleko, kodwa zingabakho iimeko eziphuma ecaleni. Umzekelo, ukuba ishishini alinazo naziphi iitrektara kuba lisebenzisa iikhontraktha ukwenza yonke imisebenzi yokulima, akusayikubakho zindleko zokwehla kweendleko zeetrekta.

Ezi ndleko zisisigxina zikhola ukungahoywa kwinkqubo yohlahlo-mali. Kuyenzeka ukuba kufike ixesha lokuphela kwemali ebhankini phakathi konyaka, kusashiyeke iinyanga ezimbalwa phambi koku-vunwa kwezityalo. Ngeli xesha, abalimi baqala bathengise iinkomo ezingathengekiyo kuba befuna ukufumana imali yokuhlawula abasebenzi kunye neyeemali ezhilawulwa ngeakhawunti.

IXABISO ELIPHANTS NGTONI EVELISIWEYO

Kwimeko yangoku yokuthengiswa kweenkozo, kubalulekile ukuba umlimi ngamnye makabe nolwazi ngamaxabiso aphantsi ngetoni nganye eveliswayo. Khumbula, amaxabiso ezityalo afumaneka yonke imihla kwiSafez kwaye abalimi banako ukuthengisa izityalo zabo ngokweekhontrakthi ezcwangciselwa kwangaphambili.

Kubalulekile ukwazi ukuba iindleko zokulima itoni yezityalo ziya kuba ngakanani. Umlimi ke ngoko angenza isiggibo sokuba uya kuthengisa nini okanye uya kulima ntoni. Ukuba akuquki zonke iindle-

ko zakho ezisisigxina, akusayi kukwazi ukwenza isiggibo esisesona siphucukileyo malunga neshishini lakho.

Akukhathaliseki ukuba kulinywe kangakanani, iindleko ezisisigxina ziba yinxene yeendaleko zizonke zeshishini.

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Umzekelo wephepha leendleko ezisisigxina zesiqhelo zeshishini lokufama.

Ishloko seendleko ezisisigxina	Zizonke ngonyaka	Iindleko ezisisigxina zezityalo	Iindleko ezisisigxina zemfuyo
Abasebenzi: lintlawulo nemivuzo			
Umbane			
Ukukhanda ukuze okuphuculiwego kube sisigxina			
Ulawulo, izithuthi, ipetroli/idizili nokukhanda			
Ulawulo lweofisi neenkitho zalo			
lintlawuliso zebhanki			
Irhafu			
Umplicothezincwadi			
linkitho ezaahlukahlukileyo			
Irenti yomhlaba nokwabelana ngezityalo ezilinywayo			
lilayisensi			
Imbalelwano nefowuni			
lintlawulo zasemthethweni			
I-inshorensi: Ngokubanzi			
iindleko zokugcina ukuphila			
I-inshorensi yobuqu bomntu			
iindleko zentsimi ezhilawulwa kanye			
Ukwehla kwamaxabiso			
Inzala yemali esetyenziswa njengetyala			
Izavenga zethuba elide neliphakathi			
Ulwabiwo lweendleko zomhlaba olifusi			

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Xa ulima kakhulu, ziya kuba phezulu neendleko ezingesosigxina.

engangelitha esetyenziswa ngehektare nganye. Ngokwenza ngolu hlobo, isityalo esisebenzisa idizili ethe chatha siya kunxulunyaniswa neendleko ezisisigxina ezithe chatha.

ISIPELO

Abalimi banako ukubuza ukuba kutheni iindleko ezisisigxina zibalekile kwaye kutheni kufanele kuqukwe ukwehla kwamaxabiso (njenakumzekelo omalunga neetrekta). Isizathu esiphambili kukuba itrekta ziya kulahlekewa lixabiso lazo ethubeni kwaye kufuneka imali yokuthenga itrekta entsha eya kungena endaweni yendala. Ngoko ke, ukwehla kwamaxabiso yindlela yokunceda ngokuthenga oomatshini abatsha endaweni yabadala. Wonke umntu uyazi ukuba itrekta endala ifanele ukuyekwa ukuze kusetyenziswe entsha endaweni yayo emva kwexesha elithile kuze kongezwe ixabiso elehli-leyo njengeendleko, oko kuya kuqinisekisa ukuba ikhona imali yoku-phumza itrekta endala ngokuthenga entsha.

Ungaze uzilibale iindleko ezisisigxina, njengoko iindleko ezincinan zisenza isixa esikhulu esifanele ukuhlawulwa xa zidibene. Umzekelo, uhlawula amaR500 ngenyanga ngeselfowuni yakho ekupheleni konyaka kodwa isixa esipheleleyo ngamaR6 000 ngonyaka. Xa ixabiso lanamhla lombona wangoJulayi lingamaR3 000 ekwiakhawunti yebanki yomlimi, oku kuthetha ukuba iitoni ezi2 zombona ziphelile. Xa iindleko zokuziphilisa ziliR120 000 ngonyaka, iitoni ezingama40 zombona zimkile. Qala udibanise iindleko, ekugqibeleni uya kudinga umbona omninzi ukuze ube nemali yeendleko ezisisigxina.

Kwinqaku elilandelayo siya kujolisa kwiindleko ezingqalileyo na-kwiindleko zizonke zokuvelisa iinkozo kunya nembewu yeoyile. ■

PIETMAN BOTHA,
MOITSEANAPE WA
BOLEMIRUI KA BOENE



AMAZWI
AVELA...
kuDu Toit
van der Westhuizen

UKUFAMA LUBIZO ASINGOMSEBENZI KUBA ABALIMI SUKUBA BENGAKWAZI ABANO-KUKULINDELA KWIXESHA ELIZAYO LOKULIMA. NGOKO KE, KUFUNEKA BAZIQHELANISE NEEMEKO EZINGAPHEZU KWAMANDLA ABO.

Lo nyaka usaqhuba kakuhle futhi kwezinye iingingqi konke kusancomeka kwezo fama, nangona abalimi bezinye iingingqi bebefanele ukusombulula iingxaki zezikukula ekuqaleni kwexesha lokulima kodwa ekugqibeleni ezo ngingqi zathwaxwa yimbalela.

Kwiindawo ezinini konke bekunika ithemba kwada kwaba yinyanga kajanyuari apho kubonakele ithuba lembalela yaphakathi ehlotyeni, xa ezinye izityalo bezifikelela kwibanga elibalulekileyo lokuhloholeka kweeneko. Lo ngumfanekiso oqhelekileyo wento okuyiyo ukufama – akunakuze uyazi into eza kwenzeka.

Kweli xesha lonyaka, kukho abalimi asebeyiqoshelisile inkqu-bo yokuvuna lo gama basasebenza nzima abanye. Ngoku lixesha lokudwelisa zonke iintsilelo zexesha elidlulileyo lokulima ukujinisekisa ukuba aziphindi zenzeke kwakhona kwixesha elizayo lokulima.

Omnye wemisebenzi ebalulekileyo kulimo kukulutshabalala ngecoselelo ukhula Iwasebusika ukuze kulondolozeke ukufuma komhlaba. Inqanaba lokufuma olima ngako, liya kwalatha impumelelo yakho kwixesha elizayo lokulima. Qinisekisa ukuba ufumana iingcebiso ezilungileyo kwiingcaphephe ukuze ukwazi ukulondoloza ukufuma – ngokutshabalala ukhula Iwasebusika ngeekhemikhali okanye ngoomatshini.

Ukhula Iwasebusika lolunye lweentshaba ezizezonza zinkulu zomlimi wezityalo. Xa ululawula ngokufanelekileyo, uya kusebenza phucukileyo kwixesha elizayo lokulima kwaye uya kuba sowumi kakuhle xa iEl Niño ecingeleka kwangaphambili ifika kuthi.

Yiba sisilumko somlimi futhi ube sisilumko samanzi. Qiniseka ukuba ulukhucule lonke ukhula Iwasebusika, njengoko ukufuma komhlaba kungumhlobo womlimi.

– *UDu Toit van der Westhuizen ngumphathi wophuhliso Iwengingqi eMntla Ntshona.* ■

Malunga nohlelo IwesiNgesi IwePula yale nyanga, skena le khowudi yeQR.





UGCINOZINCWADI lubalulekile kubalimi

EZOBALOMALI KUSHISHINO NGUMBA OBALULEKI-LEYO KULO NALIPHI ISHISHINI, ELINCINANE - NE-LIPHAKATHI NGOKOBUKHULU. ABALIMI ABANYE ABALIMI BAZILAWULELA IIMALI ZABO, LO GAMA ABANYE BEQESHA UMGCINIZINCWADI BAZE BA-YENZELWE NGEEKHONTRAKTHI IMISEBENZI YOBALOMALI. KUSOLOKO KULUXANDUVA LOMLIMI UKUBEKA ILISO UKWENZELA IMEKO ENTLE YEMALI YESHISHINI.

Kuquka umsebenzi obalulekileyo wokulawula imisebenzi yemali yefama yemihla ngemihla – ukwenza ii-invoyisi ezichanekileyo, ukugcina ii-invoyisi zerhafu kunye ngeziteyithimenti zeeakhawunti ezibonisa iintlawulo. Ukulandela umkhondo wemali, uhlalutyo, ugcinozincwadi, uhlahlomali kunye neminye imisebenzi eminizi yimibandela efuna ingqalelo yomlimi ukwenzela inkqubo yeshishini – ngokunjalo neSouth African Revenue Service (SARS), kuze klinikwe ingqalelo yeshishini ngalinye kwixesha elithile.

Abanini beshishini abangabaphathi abalungileyo baya kusebenzaa iinkqubo zobalomali ukulandela umkhondo wempahla yexabiso yeshishini, agcine iingxelo, ahlalutye iziganeko zenzuso nezelahleko, aze aqwalasele ukusetyenziswa kwemali eyikheshi, kuquka imiba apho inkcitho iphezulu kakhulu kuyo okanye amanani abonakala engachane-kanga. Oku kuthetha ukuba iingxaki ziayafunyaniswa kuze kwensiwe iinguqukuo eziyimfuneko.

IGAMA LAKHO MALIHLALE LILILLE KUMRHAFISI NAKU-MPHATHI WEBHANKI

Bhala iingxelo zalo lonke usetyenzisomali

Urhulumente unemithetho emiselweyo elawula indlela iqumrhu elifanele ukubhala ngayo iziganeko zosetyenzisomali. Ezinye iimfuno ziarka amaxwebhu ezinika inkxaso afana neerisithi, ii-invoyisi okanye ezinye iziqinisekiso zeentengo. I-SARS ifuna ukuba umntu alungise amaxwebhu enkxaso ngokonyaka nohlobo losetyenzisomali.

Yiba nenqubo ekusebenza kakuhle. Inkqubo elungileyo yocinozincwadi lweziganeko zosetyenzisomali lweshishini ifanele ukukua intzo ezifana nezi:

- Ingxelo yenya (ijenali) yokusetyenziswa kwekheshi.
- Ukulandela umkhondo weenkitho: Ingxelo yokubhanka kwenyanga nganye, kuquka izavenga ezixhuzulwayo, usetyenzisomali olwensiwa ngekhompyutha kunye neentlawulo ezenziwa ngekhadi yebhanki.
- Zonke ii-invoyisi zerhafu ezinika ishishini mazibhalwe zize zigcinwe ngokhuselo, njengoko zifuneka xa iSARS isenza uphicothozincwadi.
- Ukulandela umkhondo wengeniso: Bhala iingxelo malunga necandelo leshishini lokufama ebelifaka ingeniso.
- Lingxelo zemivozo yabasebenzi (ezisigxina nezamaxesha athile) kunye nenkcitho yenya nganye malunga nabasebenzi beshishini.
- Isishwankathelo seemali eziyikheshi ezifunyenwego (ezemihla ngemihla nezenyanga).
- Uludwe lwayo yonke impahla ebalwayo yeshishini.
- Ingaciso yokwehla kwamaxabiso: Ukwelha kwamaxabiso kubonwa njengenkitho malunga ngokobalomali, njengoko kukhokelela kwi-indleko zokuhuba ishishini. Xa kusetyenziswa impahla yexabiso efana noomatshini kunye nezixhobo zokusebenza, ziyonakala futhi

nexabiso lazo liyetha ethubeni lobomi bazo lokusebenziseka. Ukwelha kwamaxabiso kubhalwa njengenkitho kwincaciso yengeniso.

- Gcina amaxwebhu ngokuqaphela malunga nazo zonke izithuthi nezinye iiakhawunti zeentlawulo zethuba elide. Ingcali yobalomali iyawadinga ukuze ihlanganisele ingxelo yemali yokuphela konyaka.

Yenza amaxwebhu eerisithi naweeinvoyisi zakho

Kubalulekile ukuwagcina kakuhle amaxwebhu osetyenzisomali njengawentengo ukwenzela iingcaciso zemali ezifana nezeengeniso neenkitho, ezamalungiselelo eefomu zerhafu nokulandela imeko yokuphila kwequmrhu ngokwemali. Xa kuhlanganiselwa amaxwebhu eerisithi neeinvoyisi, sebeniza inkqubo yequmrhu elandela umzila weVAT, iziganeko zosetyenzisomali ezingaqli VAT nezingahlawule-lwa VAT kunye nentsusa yentengo.

Kulawule ukusetyenziswa kwekheshi

Ukusetyenziswa kwekheshi kuthetha isixa sisonke semali eyikheshi esingenayo (ingeniso) nesiphumayo (iinkcitho) kwequmrhu. Kubalulekile ukugcina ukusetyenziswa kwekheshi kufanelekile ngokuthi kubekho inkqubo yokuyilawula. Oku kuthetha ukuba iqumrhu lifanele ukulawula nokulandela umzila wekheshi echithiweyo ngawo onke amaxesha. Iqumrhu lingayilawula kakubi imali eyikheshi yalo xa linetyala elikhulu kakhulu okanye ingeniso eninzi emalunga neemali ezingabuyiselwanga kuwe.

Yiba nesicwangcisocebo sokuhlawula imali yeenkonzo. Ukhawula iimali zeenkonzo ozifumanayo ngumba obalulekileyo wokubulawula kakuhle ubomi bakho bermali. Hlala unolvazi ngamasesha ofanele ukuzihlawula ngazo iinkonzo ozifumanayo uze ukwenza isiqhelo sakho ukuzihlawula lingekadluli ixesa lokwenza njalo ukuze ungaziboni sownengcidezeleko engqondweni, londoloza imali, nyusa umgangatho wakho wemfanelo yokufumana ityala, ngokwenza njalo uya kukwazi ukufumana inzala ephantsi kwixesha elizayo.

Yongamela uze ugcine umzila weentlawulo zemivuze

Isishwankathelo semivozo yabasebenzi siqulethe zonke iintlawulo za-basebenzi beshishini, kuquka iinzuso, imivozo, iirhafu kunye neemali ezixhuzulwayo. Kubalulekile ukwazi iindleko ezimalunga nabasebenzi beshishini – oku kubhekiselele kubo bonke abasebenzi besigxina abamatħuba athile onyaka okanye abangena ngamasesha athile.

- ISebe labaSebenzi lifuna ukuba nawuphi umqeshi onomsebenzi omnye okanye ngaphezulu abhalisele iMbuyekzo yoMsebenzi (Workman's Compensation.)
- Luxanduva lwaqareshi ukuqinisekisa ukuba bonke abasebenzi babhaliswe iNgxowamali yelnshorensi yokungaPhangeli (Unemployment Insurance Fund - UIF), futhi mabaqiniseke ukuba umrhumo womsebenzi uxhuzulwa emvuzwenti ngenyanga nganye.

Yiba nemigqaliselo

Ukuze zipphunyezeve iinjongo zemali zethuba elide, amashishini amancinane enza imigqaliselo ukuze alungiselele ikamva. Ubalomali lwaqashishini lunika amaqumrhu ingqiqo ngemali nangeengxelo ezinxulumene nayo ukuze kwensiwe imigqaliselo nohlahlomali ngo-kwezicwangcisocebo eziphucukileyo.

Yiqonde imicimbi yerhafu

lirhafu ezihiawulwa liqumrhu, zixhomekeke kuhlobo lweshishini. Kubalulekile ukuba umnini weshishini elincinane akhe ubudlelwane obulungileyo nombalimali, ukuze amkhokele kubume obuxananazileyo obungqonge ishishini.

Ngenisa iifomu zerhafu neengxelo zemali

Obu bubume obuxananazileyo obungqonge ishishini, kwaye umbalimali olungileyo angaladolozela umlimi imali eninzi. Ukuba lo mbandela awuhoywa, iSARS iya kuleqa futhi ayisayi kuthandabuza ukukhupha izohlwayo eziqatha ngenxa yeefomu ezingeniswe emva kwexesha okanye ezineenkukacha ezingachanekanga.

Lawula iinzuzu neelahlek

linzuzu ziingeniso okanye yimali eyikheshi engenayo, kanti iilahlek zibhekiselele kuyo nayiphi into efanele ukuhlawulwa liqumrhu okanye imali ephumayo. Bhala iingxelo ngeenzuzu nangeelahlek ukuze uqinisekise impilo yemali kunye nokomelela kweshishini.

Zahlukanise iiakhawunti zakho

Zahlukanise iingxelo zosetyenzisomali zobuqu bakho kwezafama yako ukuthintela ukubhidaniseka.

Imizila eyahlukileyo yetyala

Ukulandela umkhondo weshishini: Kubalulekile ukwazi ukuba yeyiphi imiba kwimisebenzi yakho yokufama engenisa imali ingawaphi amacandelo akunika iindleko eziphezulu.

Lungelelanisa kwangoko futhi kaninzi

- Qwalasela iiakhawunti zakho kaninzi kangangoko kunokwenzenka ukupinisekisa ukuba isixa semali onaso sihambelana neengxelo zakho.
- Bhala iintlawulo (iinkcitho) ezenziwego ngexesha ozenza ngalo

kananjalo neemali ezingenayo (iingeniso) ngexesha ozifaka ngalo elugcinweni.

- Qwalasela iiakhawunti zakho ngenyanga nganye xa ibhanki ikhupha isisteyithimenti. Yazi ukuba isenti nganye yenze nto okanye ifumanyenwe phi.

Sithintele isiphango samaphepha

Gcina ucwangco ukuze uphumelele kwidabi lemfumba yeembale-lwano nakwiintlawulo ezingena emva kwexesha: Zivule zonke iimbalelwano neeimeyle ngexesha ozifumanana ngalo. Bhala ingxelo yeemali zamatalaowanike abantu, futhi nawe yenza iintlawulo ngokwemfuneko. Kwakhona gcina umzila wokuba ngoobani abafanele ukukhupha. Isiseko sesakhono senzuso sisekuguqulen umsebenzi owensiwa ngezandla ube yi-invoyisi, ejika ibe yimali. Fumana imali eyikheshi, hlawula iinkonzo ozifumanayo, londoloza iinkcitho zenzala ukuze uphefumle ukhululekile.

KUTHENI KUSENZIWA UGCINOZINCWADI?

Ingxelo yeenkcukacha zesiqhelo kunye neengxelo zeejenali zifumaneka kuphela ukuze ukwazi ukuqhoba ishishini lakho ngendlela encomekayo, kuba uya kucaciseleka xa unolvazi oluphangaleleyo ngeenkukacha ezichanekileyo. Wena njengomlimi ufanele ukuhlala uzibandakanya kule nkqubo. Fumana ingxelo oyidingayo ngemicimbi yemali ukuze uxhase okanye uphengulule izigqibo zakho zolawulo. ■



JENNY MATHEWS,
INGCALI NOMHLOHLI
WOLAWULO NOPHUHLISO

UKHUSELO KUQALA

Icandelo 10

lindawo eziphezulu: Lumka

ABASEBENZI ABASEBENZA KWIINDAWO EZIPHE-ZULU MABAZILUMKELE IINGOZI EZINOKWENZEKA NGOKO KE BAFANELE UKUWUQEQUE-SHELWA LO MSEBENZI.

- Kufuneka kubekho umnxeba wokusindisa abasebenzi abafanele baziqagamsheli kuwo xa besebenza kwiindawo eziphezulu.
- Abasebenzi mabanikwe impahla yokhuselo efanelekileyo, ngakumbi xa kukho izinto eziyingozi ezifana neasbestos, njengaxa besebenza kuphahla olwenziwe ngeasbestos. Xa kunjalo, umqesshi makaqinisekise ukuba iyahlangatyezwu imithetho emalunga neasbestos.
- Umqesshi makaqinisekise ukuba abasebenzi bakulungele ukwenza umsebenzi ngokwasempilweni.
- Kukhethwa ukuba umsebenzi makangasebenzi yedwa kwiindawo



eziphezulu kwaye ufanele akwazi ukunxibelelana nomphathi ngawo onke amaxesha.

- Kufuneka kubekho umsebenzi oqeleshelwe ukwenza unyangolokuqala kunye nengxowa yezixhobo zonyango lokuqala kwisiza sokusebenzela.
- Uqeleshoo lwale misebenzi lubaluleke kakhulu. ‘isicwangciso sonqandokuwa’ – iseti yeenkqubo eziyilelwukunceda ngokuchonga nokunciphisa iingozi zokuwa – ifanele ukuhlanganiselwa ukulungiselelo msebenzi. Abasebenzi mabazazi ezi nkqubo.
- Akukho msebenzi ufanele ukwenziva kwiindawo eziphezulu xa imbi imozulu. ■

CHARL SAAYMAN, UMCEBISI WEMPILO
NOKHUSELO EMEGA HEALTH AND SAFETY

Izikhokelo zabalimi abaqala UKULIMA IIMBOTYI ZESOYA

NJENGOKO ILIQELA IMIBANDELA EFANELE UKU-QWALASELWA FUTHI IHLANGATYEZWE PHAMBI KOKUQALISWA KOKULIMA, ISIGQIBO MALUNGA NOKUTYALA IIMBOTYI ZESOYA SIFANELE UKWENZIWA KWIMINYAKA EMIBINI UBUNCINANE PHAMBI KWEXESHA LOKULIMA LOKUQALA (OKO KUKUTHI, UKUHLWAYELA).

Umandela obaluleke kakhulu kukufumana iisampulu zomhlaba kwindawo ebiphawulwe, zize zihlalutwy ukuze kwensiwe izilungiso eziyimfuneko ezicetyiswa malunga neesampulu. I-PH kuneenefuneko zekalika zibaluleke ngakumbi, njengoko ukugalelwka kwekalika kufanele ukwenziwa kwisityalo ebisilinywe phambi kweembotyi zesoya. Ukuba zinizi izilungiso zephosphorus (P) nezepotassium (K) ezifanele ukwenziwa, ubukhulu becalabazo bunokwenziwa kwisityalo ebisilinywe ngaphambili.

Umandela wesibini ofanele ukuqwalaselwa kukugqithela kwisityalo esilandelayo iikhemikhali zokutshabalalisa ukhula ukususela kwixesha elinye (isityalo) ukuya kwelinje ixesha (isityalo). Umkelo, iikhemikhali zokhula ezisetyenziswe ekulinyweni kombona nengqolowa xa kuthethwa ngokubanzi azinakusetyenziswe kwiimbotyi zesoya. Kukwakho namathuba okulinda phambi kokuba kutyalwe iimbotyi zesoya kwakuwo loo mhlaba aphi iikhemikhali zokhula ezithile bezikhe zasetyenziswe ngaphambili. Kucetyiswa ukuzirhoxisa iikhemikhali zokhula ezinethuba lokulinda leenyanga ezilishumi ukuya kwezilishumi elinesibini kwiminyaka emibini ubuncinane phambi kokuhlwayela iimbotyi zesoya kwakuwo loo mhlaba.

Okwesithathu, zonke iimaleko ezindindeneyo maziqhekezw (zikrazulwe). Kukwabalulekile ukusebenzia amasimi angematye kune/okanye angalungelelananga kakhulu. Iimbotyi zesoya zivunelwa ezantsi (kuma30 mm ukuya kuma60 mm), ngoko ke ibleyidi kamashini wokuvuna ingonakala ukuba amasimi awalungelelananga kune/okanye anamatye.

Xa umlimi esebeenzisa ikhontraktha emvunelayo, ufanele ukunisekisa ukuba ikhontraktha yenza amalungiselelo omhla wokuvuna obekiweyo. Inani leentsuku phakathi kokuhlwayela nokuvuna lahluka kakhulu phakathi kwemihlanganisela yembewu. Ngoko ke, kubalulekile ukufumana ezi nkukacha kumaqumrhu embewu.

Amasimi anokuba sisisulu sokugwantya kwamanzi kune nenqoboka elushica emthubi (*uintjies*) ziimeko ezifanele ukuphetshwa.

UMHLABA

Wuphephe umhlaba owonakele kulwakhilo lwawo, nokholisa ukwalatha ubukho bamagade anobukhulu obulingana nobebhola yegalufu nebola yetenetya (**Ifoto 1**). Izandyondyo zeemvula ezigaleleka emhlabeni owonakeleyo zingakhokelela ekuhlumeni okucekethekileyo kweembotyi zesoya. Umhlaba ondindana ngenxa yeengxaki zendlela ovakala ngayo esandleni (ipesenti yodongwe), navo mawuthintelwe.

Nangona kunjalo, ukuba umlimi ukhetha ukulima loo mihlaba, imigaqo yokulima mayihlengahlengiswe ukuze kuphuculwe isiquulatho sawo sezinto eziphilayo ezikuwo. Iimbotyi zesoya zingalinywa emhlabeni onesiquulatho sodongwe esibanzi kakhu (i10% ukuya kuma45%).

Nangona iimbotyi zesoya ziqhuba kakuhle noko emihlabeni onezakhi ezingezizo ezincomekayo, kubalulekile ukuwazi amanqanaba angawona afanelekileyo ezi zakhi kwiintlobo zemihlabza ezahlukileyo (jonga **iTheyibhile 2** kwiphepha lesi 9). Ixabiso lepH yomhlaba elifanele ukulinywa kweembotyi zesoya, malibe phakathi kwepH yamanzi esisi5,8 nesi6,5.

Ukuba ukufakwa kwekalika kuyimfuneko, isiquulatho semagnesium (isiquulatho seMg) sikholsa ukusetyenziswa njengesalathisi sohlobo lwekalika olufanele ukusetyenziswa. Ukuba ingaphantsi kwe100 mg/kg, kufuneka kusetyenziswe ikalika esabudolomite. Ukuba ingaphezelu kwi100 mg/kg okanye 0,6 x icalcium-esemhlabeni (Ca), makusetyenziswe ikalika yecalcitic. Naxa iimbotyi zesoya zingenabuntunntunu bungako malunga nomhlabza onetyuwa eninzi, kukhethwa ukuba inqanaba lesodium malibe ngaphantsi kuma50 mg/kg, nokunymezela (resistance – R) okuphakathi kwama2 000 nama3 500 ohm, nokusasazeka (EC) okunganeno kuma75 mS/m.

IMISEBENZI YOLIMO

Kumacandelo alandelayo, umhlaba kune nemisebenzi yolimo kuyaxoxwa ngaloo mibandela njengoko izizinto eziqwaleselwa ngalo lonke ixesha lokulima.

Ukfaka isichumiso

Njengakwezinye izityalo ezininzi, ukugalela izichumiso kwiimbotyi

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Amakabiso abhalwe kwiindawo eziluhlaza neziblowu alatha ububanzi bemiqolo obufanelekileyo kune namanani ezityalo ngexesha lokuvuna.

ISIGQIBO NGAMANANI EZITYALO NANGOBUBANZI BEMIQOLO

Imiqolo	150 000	200 000	300 000	400 000	500 000	600 000
Inani lezityalo ngemitha, umgama phakathi kwezityalo (cm)						
38 cm	6 (16,6)	8 (12,5)	11 (9,1)	16 (6,25)	19 (5,3)	23 (4,38)
45 cm	7 (14,3)	9 (11,1)	14 (7,14)	18 (5,55)	23 (4,35)	27 (3,70)
52,5 cm	8 (12,5)	11 (9,1)	16 (6,25)	22 (4,55)	26 (3,85)	32 (3,13)
60 cm	9 (11,1)	12 (8,33)	18 (5,55)	24 (4,17)	30 (3,33)	36 (2,78)
76 cm	11 (9,1)	15 (6,67)	23 (4,35)	30 (3,33)	38 (2,63)	46 (2,17)
90 cm	14 (7,14)	18 (5,55)	27 (3,70)	36 (2,77)	45 (2,22)	54 (1,85)

Umthombo weenkukacha: Protein Research Foundation

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zesoya kuxhomekeke ekurhoxisweni kwezakhi sisityalo esithile. Uku-
ba izakhi vezondlo zikwinqanaba elilelona lifanelekileyo, izakhi ezi-
fanele ukufakelwa zezo bezususwe sisityalo sethuba elingaphambili
kuphela. **Itheyibile 3** (kwiphepha lesi 9) yalatha amanqanaba oku-
suswa kwezakhi emhlabeni ziimbotyi zesoya.

limbotyi zesoya ziyawazi ukuzilungiselela malunga neemfu-
neko zazo zenitrogen ngokusebenzisana neebaktiriya zeengca-
mbu (Rhizobium).

Njengoko kubonakala kwiTheyibile 3, kukho isidingo, ngakumbi
iK ekulinyweni kweembotyi zesoya. Izikhokelo zokufakwa kwezichu-
miso ukwenzela iP neK kwiimbocy zesoya ziboniswa **kwiTheyibile 4**
neTheyibile 5 (kwiphepha lesi 9).

Inkoliso yabalimi ifaka isichumiso ize isidibanise nomhlaba –
okanye malunga nomgaqo wokungahlakuli, isichumiso sifakwa emi-
hlabeni yimvula naymisundululu.

Apho umoya nemihlaba eyisanti iyinxaki khona (njengokuba
kuqhele ukwenzeka entshona), ukutyalu kungenzeka ngomxube
opheleleyo weNPk, kuze kubekho isithintelo sokuba makungafakwa
ngaphezu kwe15 kg ukuya kuma20 kg N kwimisele yezityalo. Umxube
ufanele ukugcinwa kude kwimbewu ukuthintela ukutsha kwesichu-
miso. **lifoto eyesi2** neyesi3 (kwiphepha lesi 9) zalatha unqongophalo
lweempawu zeP neK.

Imihlanganisela namaqela ophuhliso

Yonke imihlanganisela inokuhlelwa ngokwamaqela okupuhla, alatha
inani leentsuku eliyithathayo ukususela ngomhla wokuhlwayelwa ide
ifikelele ekupuhuhleni ilungele ukuvunwa. Amaqela ophuhliso ahlulwa
ngokwamaqela athe kratya, phakathi kwe000 ne10 – kuhlwayelwa
iqela lophuhliso elingange 000 lihlwayelwa kwiindawo ezipholileyo,
ngelixa iqela lophuhliso le10 lihlwayelwa kwiindawo ezifudumeleyo.

Amaqela ophuhliso aphinda ahlulwe ngokwezahlulo ezilinganayo
zeshumi kumaqela, umzekelo isi4,4 okanye isi6,2. EMzantsi Afrika,
kuhlwayelwa ubukhulu becala amaqela ezi4, ezi5 nawezi6 kodwa
ngamanye amaxesha kube ngamaqela ezi7. Iqela lesi4 nelesi5 alinywa
kwiindawo ezipholileyo, iqela lesi5 nelesi6 alinywa kwiindawo zemo-
zulu ephakathi, lize iqela lesi6 nelesi7 libe kwiindawo ezifudumeleyo.

Kucetyiswa ukuba makuhlwayelwe ngaphezu kweqela elinye lo-
phuhliso ukuze kuncitshiswe imingcipheko yembalela, isiphango ku-
nye nezifo. Oku kolula ithuba lokuvuna. Imihlanganisela yeembotyi



Ulwakhiwo lomhlaba olonakaley.



lmpawu ezilambatha ngeP zibonakala kwimiqolo emibini phakathi.

zesoya inohlobo olunye okanye ezimbini zokukhula. Uhlobo lophu-
hliso lwenzondelelo luthetha ukuba luqala ukudubula luze lugqibe
kwiiveki ezine ukuya kwezintandathu luze luqoshelise ngemidumba.

Olunye uhlobo lwepateni yophuhliso alunanzondelelo. Luku-
vela kakhulu ukukhanya kwelanga kanti ukudubula kuya kuqalisa
kuphela xa ixesa lasebusuku linobude obuthile. Ukuba olu hlobo
lweembotyi zesoya luyakuvela ukukhanya kwelanga, ukudubula kuya
kuqalisa kuphela xa ixesa lasebusuku linobude obuthile. Ukuba olu
hlobo lweembotyi zesoya lufunyanwa ziimeko zembalela, luya kuyeka
ukupuhla luze luqalise ukovelisa imidumba. Nangona kunjalo, xa
kuphinde kwakho ukufuma kwakhona, luya kuqhula ngokupuhla
nokudubula lude lufikelele kwiintsku ezithile emva kokuhlwayelwa.

Ezinye iimpawu ezifanele ukuqwaleselwa xa kukhethwa umhla-
nganisela, bubunzima nolwakhiwo lwembewu (ofukufuku okanye
othe nkqo). Umzekelo, ulwakhiwo olufukufuku lunesakhono esina-
mandla athe kratya ngenxa yezikhondo ezininzi ezisemacaleni. Kwa-
khona qwalasela ukunyamezelu ukutymzeka xa selihambile ixesa
lokulima nobude belokuhlwayela – izityalo eziphakame kanganga-
ma76 cm ukuya kwezingama80 cm zikhulu ngokwaneleyo kwaye aziyi
kuba zizisulu kangako zokuwa phezu kwezityalo ezithande ukuba zide.

Ngoku imihlanganisela engaphezu kwengama40 eyahlukileyo
ithengiswa ngamaqumrhu alicela embewu. Kubalulekile ukuba im-
bewu iodolwe phambi kokuqalisa kwexesha lokulima (kwangoko nje-
ngakuMeyi), ukuqinisekisa ukuba abalimi bafumana umhlanganisela
othile abawufunayo.

Ugonyo lwembewu ngamaqhuqhvana eebhaktiriya (Rhizobium)

Isityalo seembotyi zesoya sixhomekeke ngokupheleleyo kwinitrogen
(N), esiyifumana kumaqhuqhuva eRhizobium ezingcanjini. Isityalo
sinika amaqhuqhvana eRhizobium isitatshi neesweskile kwiRhizo-
bium ukuze sifumane iN. Njengohlobo oluthile lweRhizobium oluse-
tyenziswa eMzantsi Afrika alungobhubhane welizwe, kubalulekile
ukuba imbewu igonye kakuhle kwixesha ngalinye lokulima.

Kubalulekile ukuba xa kuhlwayelwa iimbotyi zesoya okokuqala,
imbewu igonye kwimisele phambi nangexesha lokuhlwayela. Khum-
bula ukuba iiRhizobium zizidalwa eziphilayo ezinokubulawa kukuh-
anya okuthe ngqo futhi nalapho kungekho mongomoya emhlabeni
zize zirhaxwe.

Xa kwenzeke iimpazamo ngexesha lokugonya, oko kuya kuba zi-
indleko eziphezulu kumlimi kanti belunokufunyanwa ngeR60 ngehektare
ukuya kumaR90 ngehektare. Ngoku kukho amaqumrhu embewu azigo-
nyela iimbotyi zesoya ngokwawo aze ayithengise seyinjalo. Qinisekisa
ukuba utyala imbewu phambi komhla wokuphelelwa lixesha kogonyo.

Ububanzi bemiqolo namanani ezityalo

limbotyi zesoya zihlwayelwa ngokwemiqolo ekubabanzi bama25 cm
ukuya kwi150 cm. Nangona kunjalo, ububanzi bemiqolo obuthandwa
kakhulu buphakathi kwama38 cm nama90 cm. Ukuba kusetyenziswe ama-
nani ezityalo achanekileyo, iimbotyi zesoya zinokuhlwayelwa nangobuphi
ububanzi bemiqolo obukhankanywe ngasentla – qinisekisa nje ukuba uku-
vula izithuba phakathi kwezityalo kumqolo ngamnye akukho ngaphantsi
kwi4 cm kodwa akukho ngaphezulu kwi8 cm. Uluvo oluxhasa esi senzo
kukuba umlimi unako ukusebenzisa kwasona eso sixhobo ahlwayela
ngaso umbona.

Kubalulekile ukukhumbula ukuba amanani ezityalo afanele ukulingana
nalawo asemasimini ngexesha lokuvuna. Iliqela imibandela enokuba ne-
galelo ‘ekunyamalalen’ kwezityalo kulo lonke ixesa lokulima, efana ne-
nqanaba eliphantsi lokuntshula, izinambuzane, izifo kune nokucinezeleka
kwezityalo zezinye. Ngoko ke, makuhlwayelwe i15% ukuya kuma20%
ngaphezulu kumenani lezityalo eliindeleke ngexesha lokuvuna.

Umhla wokutyala nenkqubo yokutyala

Umhla wokutyala uxhomekeke kubushushu bengingqi (obupholileyo,
obuphakathi okanye obufudumeleyo). Kwiqingqi ezipholileyo, iim-

Izikhokelo zabalimi abaqala...



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limpawu ezilambatha ngeK zibonakala ngokucacileyo kwimiqolo emibini esizikithini kule ntsimi.



4

Ukuvulwa kwemisele yezityalo: Ekhohlo (intsimbi ephambi kwekhuba) ekunene (izinyo).

botyi zesoya maxa wambi zityalwa kwangoko kangange10 kuOkthobha, kodwa umhl wokuhlwayela ofanelekileyo uphakathi komhla wama-20 kuOkthobha ukuya kuma20 kuNovemba. Kwiqingqi ezinobushushu obuphakathi, ukuhlwayela kwensiwa ukususela kumhla woku1 kuNovemba ukuya kowama30 kwakuNovemba, ukuze kwiqingqi ezifudumeleyo ube phakathi komhla we15 kuNovemba ukuya kowe15 Disemba.

Ubude bethuba lokukhula komhlanganisela nako kunefuthe kumhla wokuhlwayela. Ukuba imihlanganisela ekhula kwithuba elifutshane ihlwayelwa phambi kwexesha kakhulu, inako ukulungela ukuvunwa ekuqaleni kukaMatshi, xa imvula isana kakhulu kuze oko kubambezele ukuvuna. Nangona kunjalo, uze ungawuhlwayeli selli-gqithe kakhulu ixesa elifanelekileyo, njengoko isenokuvuthwa ngexesha elinye naleyo yethuba elide lokukhula.

Okona kulungileyo kukuqala ukuhlwayela ngemihlanganisela ye-thuba elide ukuze iyifumane ngokwaneleyo imilinganiselo yobushushu bexesha lokulima, kuze kulandele eyelona thuba lifutshane emva koko kulandele eyamathuba aphakathi ngokokushiyashiyana kwamathuba okukhula ayo. Qaphela ukuba xa kuthethwa ngemihlanganisela ekwinqela elilelonia lide nekwinqela elilelonia lethuba elifutshane, oko kuthetha ithuba lokukhula.

Ngamanye amazwi, kwiqingqi ezipholileyo, elona qela lethuba elide liya kuba yinto efana nesi5, isi8 okanye isi6, ngelixa elona qela lifutshane liya kuba yinto efana nesi4,2 okanye isi4,4. Ngokunjalo, kwiqingqi ezifudumeleyo, umhlanganisela wexesha elifutshane uya kuboniswa njengesi5,5 ukuya kwisi5,8 uze owethuba elide lokukhula uboniswe njengesi6,8 ukuya kwisi7,0.

Xa kunokuba yimfuneko ukuhlwayela okuphindwayo ngenxa yobuthathaka bokuhluma okanye umonakalo obangelwe sisichotho, kulandelwa umgaqo owahlukileyo. Ukuba ukuhluma bekubuthathaka okanye xa kuhawuleze kwafika isichotho, makuphinde kuhlwayelwe kwangoko, ngokusebenzia kwalona elo qela lokukhula ebelityalwe kuqala. Ukuba isichotho sifika mva futhi iimbotyi zesoya ziseno-

kuhlwayelwa, sebeniza umhlanganisela ophakathi kodwa othande ukuba mde phakathi kwesti5 nesi6. Uluvo oluxhasa lo mgaqo kuku-ba ekhula ngokukhawuleza iqala ukudubula kwiiveki ezimbini emva kokuhluma – izyalo zigqibela ngokuba zincinane kakhulu, futhi isivuno sibe phantsi.

limbotyi zesoya zilhlwayelwa ubukhulu becalo ngezixhobo zo-kutyala umbona, kodwa iipleyiti zihlengahlengiswe ukuze zikwazi ukusebenza ngezityalo ezishinyene ngokugqithisileyo. Ukwandiswa kwemisele yezityalo – nokuba kungeentsimbi eziphambi kwekhuba okanye ngamazinyo – kwensiwa kwiimeko ezithile. Kwiqingqi apha kunokubakho khona umonakalo obangelwa ngumoya emva kokutyala, kuhethwa umsele wezityalo onzulu ukuze kuhuseleke izithole emoyeni. Ukuseyenziswa kwamazinyo ke ngoko kuko oku-nokukhethwa, ukuze ethubeni kulungelelaniswe umhlaba ngoma-tshini oqengqayo.

Xa kusetyenziswa oomatshini abaneentsimbi phambi kwekhuba, kubakho umsikeko omnye kuphela emhlabeni, xa kunjalo umhlaba uyalungelela ukuze ufanele inkubo yokuvuna (**Ifoto 4**). limbotyi zesoya zifunxa ama50% obunzima bazo ekufumeni phambi kokuba zikwazi ukudubula, ngoko ke, kufuneka kulumkelwe ukuhlawayela emhlabeni owome kakhulu okanye osidibi kakhulu. Ubunzulu bo-kutyala bungahluka ukususela kwisi3 cm nesi5 cm. Ukuba amathuba mahle apha kungenakufane kune mvula phakathi kokuhlwayela nokuhluma, ukuhlwayela kungenziwa nzulu kancinane ukususela kwisi3,5 cm ukuya kwisi4,5 cm.

Ukutshatalisawa kokhula

Kule mihi, inkoliso yemihlanganisela iyamelana neglyphosate. Oku kuhokelela ekubenit abalimi bangabi sakwazi ukulwa nokhula ngendella encomekayo ukususela ekuhlumeni, kuba benokukwazi ukululwa emva kwexesha. Nangona kunjalo, esi senzo asilunganga – kwiminyaka embalwa kumaxesha ambalwa okulima adlulileyo abalimi abanini bafu-maneke bengazilungiselelanga izandyondyo zeernvula zikaDisemba, nasekuthinteleni amanzi ekungeneni emasimini ngezixhobo zokutshiza ukuze kutshabalale ukhula. limbotyi zesoya ezihluma kune nokhula zo-nakala kwasekuqaleni, kanti ilahleko yezityalo yinto eyenzekayo.

Mva nje kukho iikhemikhali zokhula zaphambi kokuhluma ezi-faneleke kakhulu ezinokusetyenzisela ukutshabalalisa iintlob ze-ncga, ukhula Iwamagqabi abanzi kune neenqoboka. Abalimi abafaka iikhemikhali zokhula akukho mfuneko yokubuyela kwiglyphosate, nto leyo esisenzo esihle soqoqosh.

Kukho iintloba zokhula ezikwaziyo ukumelana neglyphosate, ezifa-na nehorseweed/ubuhlungu berhamba (*skraalhans*), wandering Jew/uhlotshane (*wandelende Jood*) ngoku nkqu green amaran (*marog*). Ukubulala ukhula ngezinye iikhemikhali kubaluleke kakhulu, ngoko ke ukumelana nazo kuyalawuleka.

Izinambuzane nezifo

Izinambuzane zinako ukonakalisa iimbotyi zesoya yiloo nto zifanele ukutshatalisawa kwangoko. Izonakalisizyalo ezifanele ukutshatalisawa yintshulube engqukuva, uvivingane lweembotyi zesoya, zonke iintloba zezinambuzane ezilumayo, isigcawu esibomvu, iintwala kune neentethe.

Phakathi kweentloba ngeentloba zezifo ezenzeka kwiimbocyi zesoya, ezimbini kuzo zibaluleke ngakumbi malunga noqoqosh: yirusi yeembotyi zesoya neSclerotinia. Zozibini ezi zifo zyonakalisa, kanti nangona irusi yeembotyi zesoya ilawuleka ngendlela encomekayo ngesitshizi sothintelo, okwangoku akukho mveliso inamandla okulwa iSclerotinia.

Okulindelekileyo ngokuchuma komhlaba.

Izakhi zezonolo		Umhlaba wom-hlaba mg/kg	Umhlaba otyheli mg/kg	umhlaba omnyama mg/kg
Phosphor (P) Bray 1	Iphantsi Iphakathi Iphezulu	15 15 - 40 >40	10 10 - 30 >30	5 5 - 30 >30
Izakhi zezonolo		Isanti mg/kg	Uvunduvundu mg/kg	Udongwe mg/kg
Potassium (K)	Iphantsi Iphakathi Iphezulu	40 40 - 120 >120	60 60 - 180 >180	80 80 - 200 >200
Calcium (Ca)	Iphantsi Iphakathi Iphezulu	200 200 - 600 >600	400 400 - 1 100 >1 100	600 600 - 1 800 >1 800
Magnesium (Mg)	Iphantsi Iphakathi Iphezulu	35 35 - 100 >100	60 65 - 150 >150	100 100 - 250 >250

Amanqanaba okususwa kwezakhi emhlabenzi izimbotsi zesoya.

	N	P	K
Kususwe isityalo esiyitoni e1 yembewu/ngehektare	60 kg	5 kg	18 kg
Kususwe inxalenyen yembewu ngetoni	42 kg	3,5 kg	9,9 kg
Kususwe inxalenyen yesityalo	15 kg	1,2 kg	7,2 kg

Izikhokelo zephosphorus zeembotsi zesoya.

I-phospho yomhlaba	Ukugalelwu kwe-kg ye-p ukwenzela isivuno (seetoni ngehektare)				
Bray 1 (mg/kg)	1	2	3	4	5
5	10	20	30	40	50
10	9	18	27	36	45
15	8	16	24	32	40
20	7	14	21	28	35
25	6	12	18	24	30
30	5	10	15	20	20
50+	0	0	0	0	0

Izikhokelo ze-potassium ngeembotsi zesoya.

I-k yomhlaba (mg/kg)	Ukugalelwu kwe-kg ye-k ukwenzela isivuno seetoni nge hektare				
	1	2	3	4	5
40	20	40	60	80	100
Isanti 40 - 120	15	30	40	50	60
>120	0	0	0	0	0
60	25	45	65	85	125
Uvunduvundu 60 - 150	20	40	60	70	80
>150	0	0	0	0	0
80	60	80	100	120	140
Udongwe 80 - 180	30	50	70	90	110
>180	0	0	0	0	0

Kwenziwa amalinge okukhuphela ngaphandle iSclerotinia ngokusebenzisa ezikhula ngokukhawuleza, njengoko izityalo zisuleleka ngayo kuphela xa kukho imisikeko apho iintyatyambo ziwe khona. Kweli banga, imozulu ebangela ukuba isifo siqale ngo-mjikelo waso wobomi asiyiyo efanelekileyo ngokunjalo izityalo azisuleleki. Phantsi konkencCESHO, ukubola kwetshakhowuli kuholisa ukubangela iingxaki.

Isivuno

limbotyi zesoya zivunwa ngetafile yokuvuna ingqolowa ekumatshini wokuvuna ubhula. Iliqela imibandela efanele ukuqwälaselwa. Kubalulekile ukumisela isantya sevili loku-hlohlha ukuze kucutheke ukutymka kwe-mbewu. Isantya somqqomo negobongqo mazihlengahlengiswe ukuze kunciphe ukuhekeka kwembewu, ngelixa kuhlengahle-nigiswa umthamo womoya osetyenziselwa ukwela umququ kwisityalo.

Xa uvuna, yima uze uhlole iimbotyi ezithitkayo phambi kokuba ziye kumatshini wokuvuna kunye nokuvuza okwenzeka ngasemva kwisixhobo sokuvuna. Yenza izilungalungiso eziyimfuneko uze uqhube. Kwiziganeko ezithile, ukuvuza kungade ku-fikelele kwi150 kg ngehektare. Khumbula ukuba izisele ezamkela iimbotyi zesoya ezinokufuma kwe12,5% – ngoko ke zama ukuggiba ukuvuna msinyane kangangoko, njengoko isiqulatho sokufuma sinokwehla ngokukhawuleza ukufikelela kwisi8%. ■



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LIQALE UKUPAPASHWA
ESA GRAAN/GRAIN,
KUSEPTEMBA WAMA2021.

Izinto eziluncedo ngokulinywa kweembotyi zesoya

IMBOTYI ZESOYA, NJENGESITYALO, ZILUNCEDO OLUKHULU. OKU KUQUKA UKUBA SISITYALO EKUNOKUTSHINTSHWA NGASO EKULINYWENI KOMBONA, KANTI FUTHI ZINGUMTHOMBO OMKHULU WEEPROTHEYINI NASEKONDLENI IZILWANYANA ZIPHINDE ZIBE YIMBEWU YEOYILE ESETYENZISELWA UKUVELISA IOYILE YEZITYALO.

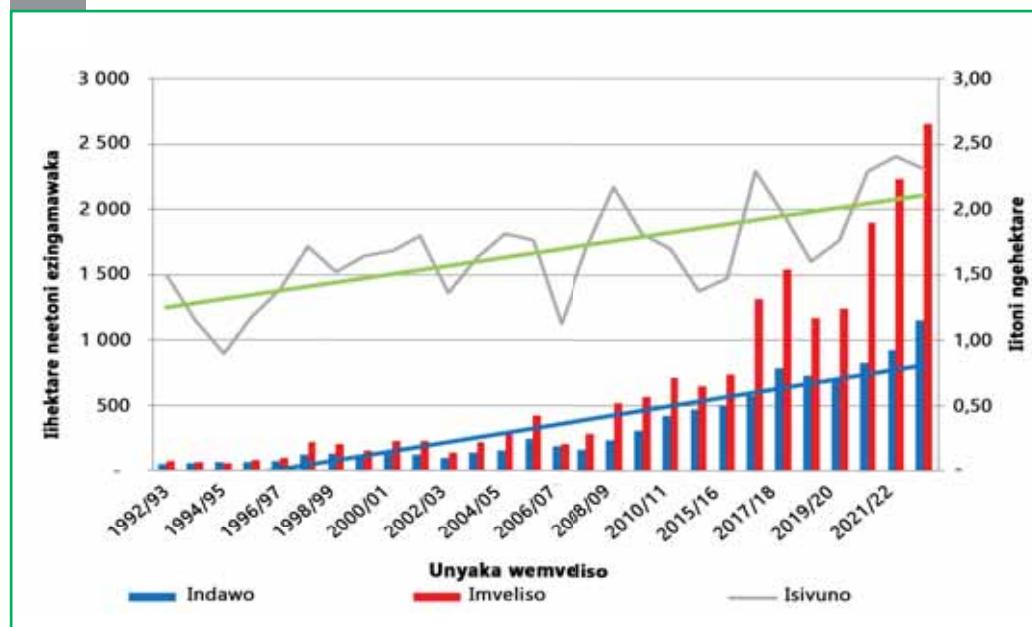
Asiyomfihlo ukuthi ukulinywa kweembotyi zesoya kwande kakhulu kwiminyaka emithathu edlulileyo. Xa sijonga **iGrafu 1**, kuyacaca ukuba

iihektare ezilinyiwego kune nokulinywa kweembotyi zesoya kwande ngezixa ezikhulu ukususela kwixesha lokulima lama 2020/2021.

Ukwanda kwemveliso kunganxulunyanisa nemiba eliqela, efana neentlobo ezintsha zobuchwepheshe eziphucula izivuno kukwabangelwa nakukufuma komhlaba okwandileyo okuncedise ekulinyweni kweembotyi zesoya kwimimandla esentshona. Nangona ukulinywa kwazo kwande ngendlela encomekayo, intengo yeli lizwe iyonke ayilandela ekhondweni – njengoko kubonakala **kwiGrafu 2** ekwabonisa imveliso, isixa esisetyenziswayo siphelele kune neentengiso zeembotyi zesoya emazweni angaphandle.

1

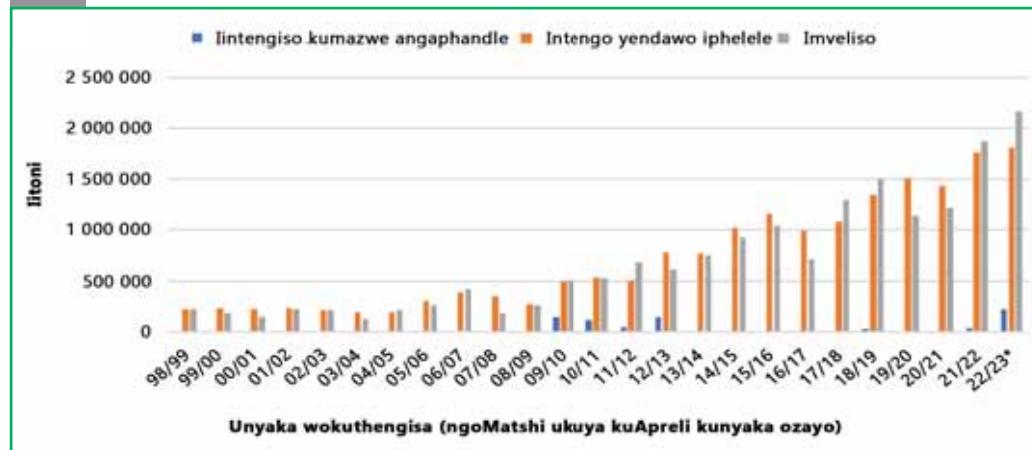
Indawo elinywe iimbotyi zesoya, imveliso nesivuno.



Umthombo weenkukacha: yiGrain SA

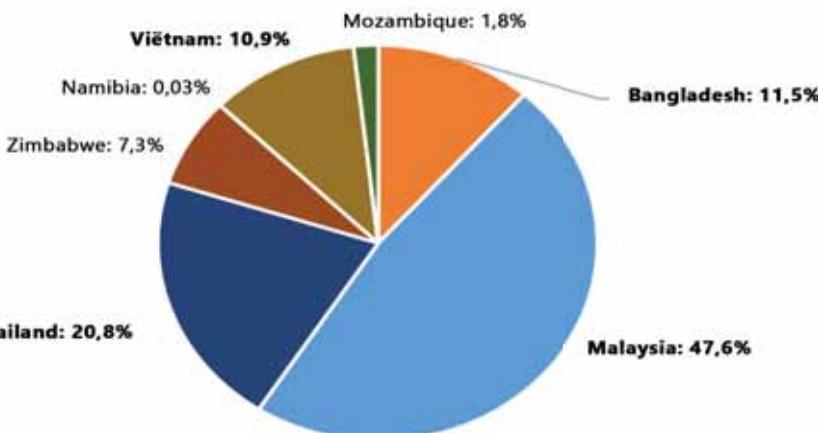
2

Ukuthengwa kweembotyi zesoya kuthelekiswa nemveliso.



Umthombo weenkukacha: yiGrain SA





Umthombo weenkukacha: yiGrain SA

Iziqhelo zexesha elidlulileyo zalatha ukuba okuqheleke kwintengiso yeemboti zesoya eMzantsi Afrika, phambi kwexesha lentengiso lama2020/2021, kukuba imveliso yeli lizwe yeemboti zesoya ayiyaneli intengo yalapha iphelele. Nangona kunjalo, emva kwexesha lentengiso lama2020/2021, imveliso ibingaphezu kwentengo iphelele kangangokuba ukuthengisa emazweni angaphandle kwaba yimfuneko. Ukuba uMzantsi Afrika akawazanga ukuthengisa iimbotyi zesoya emazweni angaphandle, amaxabiso eli lizwe ebeya kuba sengxakini yokuguqulwa.

Igrafu 3 ibonisa amazwe athengiselwe iimbotyi zesoya ngonyaka wentengiso wama2022/2023. Intengiso yeemboti zesoya emazweni angaphandle singathi sisenso esisandul' ukuqala, kanti kusafunyaniswa namanye amazwe anokuthengiselwa. Kwixesha lokulima elidlulileyo, eyona nxalenye inkulu (91%) yeemboti zesoya zaseMzantsi Afrika ithengiswe kwimimandla yentengiso yeAsia eseMpuma. Malunga neetoni ezingama230 000 zeemboti zesoya ezithunyelwe kula mazwe, sixa eso esinyuke kakhulu xa kuthelekiswa namaxesha okulima angaphambili.

Kubalulekile ukuba kubekho eminye imimandla yentengiso ephuhliswayo ukuze integiso yeemboti zesoya kumazwe angaphandle isoloko iqhuba izi nempahla egciniweyo ihlale inozinzo. Xa siqwelasela ixesha lokulima elitsha, imimandla yentengiso emitsha iquka iEgypt, iChina, iTurkey nelIndonesia. lintshiyekela zeemboti zesoya ezinokuthengiswa emazweni angaphandle kulindeleke ukuba ziphinde kwakhona zibonise ukwanda okubalulekileyo kweli xesha lokulima, yiloo nto uphuhliso Iwentengiso kumazwe angaphandle lubalulekile.

ISISHWANKATHETO

Ushishino lweemboti zesoya luhkula ngokukhawuleza kunezixa eziisetenziswa kweli lizwe, kuze oko kuhokelele kwizixa ezikhulu ezigcinweyo zeemboti zesoya. Ukuze kugcineke ulungelelwano olunozinzo phakathi kwentengiso nentengo yalapha, ukuthengisa iimbotyi zesoya emazweni angaphandle kubalulekile. Ukuba uMzantsi Afrika akawazi ukuthengisela amazwe angaphandle kuya kubakho izixa ezikhulu zeentshiyekela zeemboti zesoya, amaxabiso eli lizwe eekhontrakthi ngokuqinisekileyo ebeya kucinezeleleka ezantsi.

Xa siqwelasela ixesha elitsha lokulima, iintengiso zamazwe angaphandle zisoloko zilandelwa kwaye ziphuhliswa. Malunga nexesa lokuthengisa lama2023/2024, eliqalise ngoMatshi, kulindeleke intshiyekela ebinokuthengiswa emazweni angaphandle emalunga neetoni ezingama600 000. Le ntshiyekela enokuthengiswa emazweni angaphandle iya kunceda ekugcineni isantya soshishino lweemboti olukhula ngokukhawuleza ngoku. ■

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isiXhosa, isiNgesi, isiSetswana, isiSesotho nesi IsiZulu.

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Inkqubo egugula ubomi babantu



Ukukhuthaza abalimi ngokubanika ulwazi

IINTSUKU zabalimi zinika abalimi ithuba lokuba kune – ezihambelana nothungelwano Iwabathengisi beemveliso zamalungiselelo, ababoneleli beenkonzo kune namaqela enkxaso, kuquka neenkokeli zamasebe ahlukahlukileyo karhulumente. Iziza zemiboniso yeemvavanyo zikholisa ukutyelelwa, apho kunokwabelwana ngolwazi nabanye abalimi, amaqumrhu athengisa iimveliso zamalungiselelo, amagosa eemfundiso zendawo kune nabathabathinxaxheba bamanye amacandelo abamenya ngezo ntsuku ngokwezicwangcisocebo.

Ngenyanga ka-Apreli bekubanjwe iintsuku zabalimi abalandelayo:

- Kwisithili saseSenekal, abalimi abangama62 batyelele ifama iAstoria kufuphi eSenekal kwiFree State eseMpuma ngomhla we14 kuApreli. Eli theko belixhaswe nguBayer noFarmsol. Abalimi bebenomdla ngakumbi kwisifundo ngasemngxunyeni womhlaba, nangokupuhla kweengcambu, ukundindana kweemaleko zomhlaba nempilo yawo yimiba ebonakele ibaluleke kakhulu namhlanje.
- UBayer uphinde wanika inkxaso kusuku Iwabalimi kwiFama iGibsons kwi-siphala saseNormandien KwaZulu-Natal. Eli theko, ebelibanjwe ngomhla we18 April, beliquuzelelwie yiofisi yaseDundee. linkcukacha malunga nokufama ngaphandle kokuhlakula nangokulinywa kwezityalo zamkeleke kakuhle kubalimi abangama42 abebezimase elo theko.
- Ngomhla we19 kuApreli, abalimi abangama53 baye kusuku Iwabalimi eMilnedale ngaseDannhauser KwaZulu-Natal. UBayer ebengumxhasi walo mcimbi aze amalungiselelo aququzelelwie yiofisi yaseDundee. Ngaphandle kwemisebenzi yolimo, izifundo ziphinde zajoliswa ekubalulekeni kolawulo lweofisi olulgileyo nasekuqhutyweni kweofisi yefama ngendlela encomekayo.
- UJohn Deere neGrain SA bebesebenzisana ekunxulumaniseni imisebenzi yosuku Iwabalimi eStoneybrook kwisiphala saseKokstad KwaZulu-Natal ngomhla wama20 kuApreli. Injongo ephambili yalo mcimbi ibikukwazisa abalimi ngeJohn Deere Financing. Abalimi ababekhona bebekuthakazelela ukufunda banzi ngetrektara zeJohn Deere nangoomatshini.
- Usuku Iwabalimi Iwesihlanu obelukuApreli belungomhla wama21 kuApreli eZaaiplaas ngaseSehlakoane eLimpopo. Abameli abasuka eBayer, eKynoch, kwiForestry and Agricultural Biotechnology Institute (FABI) nakwiSebe lezoLimo babelane ngolwazi Iwabo nabantu ababeyile abangama61.



Ummeli weBayer uShadrack Mabuza uthetha nabalimi baseZaaiplaas ngokukhethwa komhlanganisela.



Abalimi bamamele ngomdla kwingxoxo emalunga neetrektara kune noomashini eStoneybrook.

Inkqubo ikhuthaza UKUKHULA

INKQUBO yeGrain SA yoPhuhliso IwabaLim, ese-benza phantsi kwegama iPhahama Grain Phakama (PGP), iyiarhente yophuhliso lolimo ebeka phambili futhi ixhase abantu abanqwenela ukuphucula imisebenzi yabo yokufama ngokunjalo inyuse umgangatho wezakhono zabo ukuze babe ngabalimi abaphuculiwego.

Iqela lisebenzisa izicwangcisocebo eziliqela zokuzidibani-sa nabalimi beenkozo kulo lonke eli lizwe ukuze kufunyaniswe iindlela ezincombekayo zokuquuzelela ukuggithiselwa kolwazi ebantwini kananjalo nophuhliso lwezakhono.

Isithako esiphambili senkqubo kukwakha imigaqo yothungelwano neyolwahluelane nabanye abathathinxaxheba. Injongo yePGP yile:

- Ukudibana nabalimi nokuthenjwa ngabo ngokubonisa uthakazelelo lokuziduba kangangoko ngokubanika inkxaso.
- Ukomeleza ubudlelwane phakathi kwabalimi namaqela othungelwano akufuphi kubo kushishino lolimo.
- Ukuhlala unolwazi ngezinto ezintsha kwezopolitiko na-kwimigaqonkubo echaphazelwa ubume obubangqongileyo, ukuze abalimi basebenze ngempumelelo.
- Ukusebenza njengomlindi ukuqinisekisa ukuba umlimi uphethwe kakuhle kwaye unethuba elibalaseleyo lokuphumelela kangangoko kuba efumana imithombo yoncedo efumanekayo.



I-PGP isebeenzisa intlaninge yemigaqo yentsebeenziswano yokuncedisa abalimi ekubeni basebenze phucukileyo. ■