

PULA IMVULA

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DILO TSE DIKGOLI DI DIREGA fa bopelonomi bo araba botlhokwa

LE FA TSHUPETSO E LE MO DINTLHENG TSE DI TSA-MAELANG LE SEGAJAJA SA COVID-19, JAAKA PALO YA TLHOKAFALO LE GO BEGA PALO YA BATHO BA BA TSHWERWENG KE MOGARE, DIPOLELO MABAPI LE BOBEOTLHOMOGI LE TSONA DI BONALA MO DIKGANNYENG.

Barentisi ba bangwe ba fokoditse tlhotlhwa ya go renta. Mong wa lebenekele kwa Kapa o bopile diphasele tsa diphepafatso ka tsa go phepafatso diatla, dimaseke, sesepa le phepafatsoeledi tse a di neileng motho mongwe le mongwe yo a fetang dingwaga tse 65, mme a sa duele. Go ne go na le batho ba ba bopileng diphasele tsa dijо le ditlhokomelo mme ba di naya bagolo kgotsa ba ba sa kgoneng.

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Ntlha e nngwe ya 'kutlo monate' ke ya mabapi le mosimane wa dingwaga tse 14 yo a neng a tsoga ka ura ya 4 phakela ka letsatsi le letsatsi go thusa go besa marotho a a fiwang batlhokomedi le diNGO. Lekau le, le nna mo motseng wa Nkosi's Haven Village mo Alan Manor, mo borweng ba Gauteng. Lefelotlhokomelo le ke la batsadi, bana le dikhutsana ba ba



MAFOKO A GA...

Jerry Mthombothi

KA MAFELELO A KGWEDI YA PHATWE, BALEMIRUI BA TLAA BO BA FEDITSE GO ROBA. MORAGO GA GO REKISA TLHAKA YA BONE, BALEMIRUI BA TSHWANETSE GO TSHWANTSHANYA TSHENYEGO YA BONA (KE GORE KE MADI A A DIRISITSWENG GO REKA DITOKELELO LE METSHENE LE DITSHENYEGO TSE DINGWE KA SETLHA SE SE FETILENG) MABAPI LE MADI A BA A AMOGETSENG MORAGO GA GO REKISA KUMO YA BONA GO TLHOMAMISA GORE A BA BONE POELO KGOTSA NYA.

Fa bokana ba tshenyego bo feta bokana ba madi a a boetseng, ba tshwanetse go nagana go leka mofuta o mongwe wa dijwalwa kgotsa go leka go tokafatsa diphoso tse ba di dirileng ka setlha sa go jwala se se fetileng. Molemirui o tshwanetse go boela morago ka go lebelela ditiragalo tsa gagwe tsa go uma mme a leke go tlhomamisa mo a ka tokafatsang ditiragalo tse.

BALEMIRUI BA TSHWANETSE GO DIRA ENG KA KGWEDI YA LWETSE?

Ka re le mo kgwedding ya Lwetse, balemirui ba tshwanetse go netefatsa gore:

- Ba baakanye didiriswa tsa bona, ba di phepafatse, ba di emise mo di sireletsweng teng, mme ba netefatse gore di kcona go dira ka tshwanno.
- Ba tshwanetse go tsaya diteko tsa mmu fa ba ise ba di tseye ka kgwedi e e fetileng mme ba di romele kwa laborating e ba e dirisang.
- Fa ba itse gore ba reke mofuta ofe wa monontsha mme le palo ya dikgetsi ka heketara ba yang go e dirisa ba ka simolola go romela go reka monontsha le ditokelelo tse dingwe jaaka peo le dikhemikale.
- Fa ba sa lokele kalaka ka kgwedi ya Phatwe, go ka nna nako e e tshwanetseng go e lokela.
- Swetsa gore o ya go jwala mofuta ofe wa dijwalwa mme le gore o ya go dirisa ditshimo dife, ka re tlhola re tlhotlhetsa balemirui go dirisa thefosano ya dijwalwa ka go lokela senawa mo ba neng ba jwetse mmidi.
- Fa go tlhogewa, molemirui a ka kgakgabolola masimo a gagwe a a yang go a dirisa fa mmu o se boteng jaaka go tlhogewa.
- Kwala ditiragalo tsotlhe le dithla tse di dirilweng, e le sekao, go tloga go jwala ka mafelelo a kgwedi ya Diphalane kgotsa tshimologo ya kgedi ya Ngwanatsele, go gasetsa ga dibolayamefero, go lokela menontsha ya N e le menontshagodimo le go gasetsa dikhemikale tsa pele go bonalwa ga dijwalwa, jalo le jalo. ■

Dilo tse dikgolo di direga...

MELAETSA YA DITEBOGO

Melaetsa e mebedi ya ditebogo e e amogetsweng ke Timon go tswa kwa baruting ba ba phatlalatsang dijo mo morafeng wa dikereke tsa bona ke tseo:

- 'Ke batla go romela ditebogo tsa ka go wena le balemirui bottle ba ba neileng merafe ya rona dijo tse di tlhokiwang thata jalo. Ke thuso e e botlhokwa thata mme batho le bona ba a leboga. Ke setse ke di naya batho mme go ntse go thokiwa gape le gape. Ke ya kwa lshwepe jaanong go ya go naya batho dijo. Ke kopa gore le feteletse tebogo ya rona go balemirui bottle mme ante Modimo a le nedisetse pula.'
- 'Re leboga neo ya phaletšhe e re e amogetseng. Ke okeditse ganne, jaaka le ka bona. Ke rekile le khabetšhe. Timon, motswedi wa rona le mongwe le mongwe yo a thusang go fetola maphelo a batho, go re thusa gagolo mo kerekeng ya rona.'

tshwerweng ke mogare wa HIV/Aids. Ba swetsa go bayo matlhoko a bona fa thoko mme ba besa marotho a a leng 450 ka letsatsi go a naya ba bangwe ba ba tlhokang dijo.

RULAGANYA PHAPAANO

Mme Terese, sisitara yo a itsegeng wa Kereke ya Roma yo a abetseng bophelo ba gagwe go tlhokomela ba dikobokhutswane, o rile: 'Fa o sa kgone go naya batho ba le lekgolo dijo, bogolo naya a le mongwe'. Kwa TWK mo kgaolong ya Piet Retief, mmidi o montsi go feta topo o pele o ne o neilwe tshegetso ya ba ba bonang leuba – porojeke e e tlhomamisitsweng ka tshimologo ya ngwaga ke ba Grain SA mabapi le dithulaganyo tse dingwe tsa bolemirui tse di rileng go tswelela mo Afrikaborwa – ba kgonne go naya dijo go, e seng motho a le mongwe fela, mme makgolo a batho ba ba tshwerweng ke tlala mo kgaolong e.

Jurie Mentz, molaodi wa tlhabololo mo kgaolong ya Louwsburg, o kopilwe ke TWK ka kgwedi ya Motsheganong mabapi le kgonne ya go dirisa mmidi. Morago ga kopano ya baneyi ba mmidi, TWK le Grain SA, ba tlhomamisitse go thusa go fokotsa tlala ka nako ya lotlelelo. Go duela tlhotlhwa ya go sila le go phuthela mmidi, TWK e tlaa tshwara mmidi o mongwe. Fela ka bonako ditono tse 70 tsa mmidi o mosweu o fetotswe go nna ditono tse di ka nnang 50 tsa phaletšhe mme le go neiwa batho ka tebogo go balemirui ba ba neileng mmidi, morafe o o tlhokomelang, TWK le Grain SA.

Timon Filter, mosupatsela le moruti wa Lenaneo la Tlhabololo la Grain SA yo a neng a le moruti mo kgaolong ya Piet Retief o ne a thusa thata. Ka ntlha ya go itse batho mo morafeng le dikopo tsa go tshwaraganya diatla o kgonne go itse baruti mo tikologong e. Go ne go le mogwa o siameng wa go rulaganya lenane la maina a batho ba ba leng mo mathateng. Gape, dikereke le manno a bagolo le dithulaganyo tse dingwe le tsona di kopilwe go naya kitso ya batho ba ba tlhokang thuso. 'Gape re kopile baeteledipele ba dithlophoa tsa dithutiso go romela maina a batho mo ditikologong tsa kwa magaeng ba ba tlhokang dijo,' a re jalo Timon.

Jaaka go ntse dikgetsi tsa mmidi di ntse di kgaogangwa mo kerekeng ya mo Piet Retief mme mongwe wa kereke eo yo a nang llori o rile o tlaa thusa go rwalela mmidi o mongwe kwa o tlhokiwang teng. Mmidi o o salang o phatlalatswa mabapi le dithlophoa tsa dithutiso, dikereke, dikolo le mannoa bagolo.

Le fa Grain SA e ne e laola lenaneo le, go ne go le tiro ya tshwaragano e e kgonneng go tswelelatsta tiro e e botlhokwa e. 'Go nnaya kutlomonate tota go bona mokgwa o dilo tsotlhe di tsamayang ka tshwanno,' a re jalo Jurie.



BOTLHOKWA BO BO GOLANG, DIPERO TSE DI LEBOGANG

Timon gape o rile gore dineo di filwe malapa a mo motseng wa Amsterdam, motsana o monnye o o ka nnang dikilometara tse di leng 60 go tloga mo motseng wa Piet Retief. 'Mo go malapa a leng 178 a supilweng gore a tlhoka dijo, a leng 98 a ne a le mo mathateng tota mme le ona a thusitswe ka go neiwa dineo.'

Ka kgwedi ya Seetebosigo ditono tse di ka nnang 13,5 tsa mmidi di phatlaletswe, mme botlhokwa bo ntse bo gola jaaka nako ya lottelelo e tswelela. Jurie le Timon ba dumela gore botlhokwa ba dijo bo tlaa oketsega, mme ba solo fela gore go tlaa nna thuso e e lekaneng go fitlhelea maemo a fetoga mo lefatsheng le rona go tokafatsa maphe lo a rona.

Go Timon lenaneo le le kopantsha batho. 'Go kokobetsa motho go bona jaaka batho ba dira mme ba leka go thusa gape le gape.' Go kokobetsa gape go amogela melaetsa ya diWhatsApp le diemeile tsa ditebogo tse di menaganeng.

Jerry Mthombothi, molokaganyi wa tlhabololo wa Grain SA kwa ofising ya kwa Nelspruit, o setse a itsesitse lesomo mabapi le bothhokwa mo tiko-logong ya gagwe. Balemirui ba kwa kgaolong ya Piet Retief ba naya ditono tse di ka nnang 10 tse di tlaa phatlalalwang ka nako e e ka nnang dikgwedi tse tlhano, ditono tse 2 ka kgwedi le kgwedi.

Tsweetswee, gakolokelwa, le wena o ka tlisa phethogo le fa go le gonne jang. Fa go na le motho yo a tlhokang thuso, go na le tshono go supa pelonomi.



Batho ba bangwe ba ba amogetseng dijo go ya le lenaneo la go naya batho dijo ka tebogo go baumi mo kgaolong ya Piet Retief ba ba neng ba tshegetswa ke Grain SA le TWK.

Thokomela dintlha tse di TLHOTLHELETSANG BOKANA BA KUMO E E BONWANG

MOKGWA O O TSENELETSENG WA TEKANYO YA BOKANA BA THOBO O SETSE O TLHALOSI-TSWE MO DIATHIKELENG TSA PELE MO PULA IMVULA. MOKGWA O O LEKALEKANTSHITSWE MO MASIMONG A MO GO JWETSWENG DI-JWALWA KA SETLHA SA GO UMA SA 2019/2020 GO TSHWANTSHANYA TEKANYO YA BOKANA BA KUMO YA PELE GA GO ROBA LE BOKANA BA NNETE BO BO BONWENG. SE SE NENG SE BONALWA KE PHAROLOGANO E KGOLO YA BOKANA BA DIAKO, PALO YA MELA YA TLHAKA MO SEAKONG SE SENGWE LE SE SENGWE MME LE BOIMA BA TLHAKA KGTSA BOKETE MO MOFUTENG O LE MONGWE WA DIJWALWA MO TSHIMONG KGOTSA MO KAGOLONG YA TSHIMO MO GO JWETSWENG KA NAKO E LE NNGWE.

Go thusa go tlosa diako mo dimeleng tse di farologaneng pele ga thobo. Di ka sekasekwa ebile di ka lekalekantshwa ka dintlha tsa botele, palo ya mela ya tlhaka, bokana ba mo tlhaka e leng teng go ntse go lebeletswe dikgaolo mo go se nang tlhaka jaaka mo dintlheng tsa diako.

Kitso e kgotsa data e ka dirisiwa go lekalekantsha bothhokwa mo tshimong e mo go robilweng mabapi le tekanyo e e tlhomilweng pele ga go robiwa le bokana bo bo bonweng go supa kongo ya lenaneo la tiriso ya monontsha. Ditlhaelo tse di ka lemogwang di ka dirisiwa go tokafatsa dintlha tsa go uma ka nako ya go uma e e latelang.

Sekao sa tekanyo e e tserweng se ka bonwa mo **Thulaganyo ya 1**. Tsweetswee, bona pharologanyo gare ga bokana ba diako tse di fithe-tsweng. Tekanyo e tserwe fa diako di sa le metsi thata mme tsa lekaleka-



Mofuta wa dijwalwa o o tshwanang jaaka o lekalekantshitsweng ka go supa tlhaka le diako, o mongwe fela morago ga go ntshetsa meriri le tulafatso ya modula mme e mengwe ka nako ya maemo fa tlhaka e sa le jaaka tlhama e e boleta ka go supa bogolo ba diako le palo ya tsona mo semeleng.



Tshimo yona eo ka go nna bogongwe ba kongo go feta 8,5 t/ha ka diako tse di golileng mo go neileng bokana bo bo ka nnang 6 t/ha ka nako ya go roba.



E kwadilwé ke morolatiro

1

Sekao se se supang tebelelopele ya bokana ba thobo e e ka bonwang.

Maize - Crop yield estimation Determine the mass or weight of seed or kernels per plant Test example									Total
Test 1									
Cobs on 10 plants	1	2	3	4	5	6	7	8	
Row per cob	16	14	14	16	14	14	14	14	
Kernels per row	42	36	21	43	36	21	36	36	
Number of kernels/cob	672	504	294	688	504	294	504	504	3 964
Cobs on 10 plants	9	10	11	12	13	14	15	16	
Row per cob	14	14	14	14	14	14	14	14	
Kernels per row	36	36	36	36	36	36	36	36	
Number of kernels/cob	504	504	504	504	504	504	504	504	4 032
Cobs on 10 plants	17	18	19	20	21	22	23	24	
Row per cob	14	14	14	14	14	14	14	14	
Kernels per row	36	36	36	36	36	36	36	36	
Number of kernels/cob	504	504	504	504	504	504	504	504	4 032
Cobs on 10 plants	25	26	27	28	29	30	31	32	
Row per cob	14	14	14	14	14	14	14	14	
Kernels per row	36	36	36	36	36	36	36	36	
Number of kernels/cob	504	504	504	504	504	504	504	504	3 024
Total number of kernels in all cobs counted									15 052
Determination of yield of maize per hectare									
Descriptor	Plants	Kernels per test	Average kernels per plant	Mass per kernel grams	Grams per plant	Plant population per ha	Total grams per ha	Total kg's per ha	Total yield tons per ha
Block letter	A	B	C	D	E	F	G	H	
Formula			B / A		C * D	From plant population test	E * F	G / 1 000 grams per kg	H / 1 000 kg's per ton
Total test 1 (above)	10	15 052	1 505	0.28	421				
Total test 2 (e.g.)	10	15 052	1 505	0.28	421				
Total test 3 (e.g.)	10	15 052	1 505	0.28	421				
Totals (Averages)	30	45 156	1 506	0.3	452	16 304	7 366 304	7 366	7,37
less 5 % for Harvesting losses								95%	7,00
Simulated yields at different kernel mass or seed mass									
At a kernel mass of				0.28	377	16 304	6 138 587	6 139	6,14
less 5 % for harvesting losses								95%	5,83
At a kernel mass of				0.28	422	16 304	6 875 217	6 875	6,88
less 5 % for harvesting losses								95%	5,53
At a kernel mass of				0.38	527	16 304	8 594 022	8 594	8,59
less 5 % for harvesting losses								95%	8,16

ntshwa ka nako ya go robiwa. Tekanyo ya bokana ba kumo e e ka bonwang ka nako eo e ne e le 6,17 t/ha. Ditshupetso di supa, morago ga go roba kgaolo ya tshimo, gore bokana ba kumo e e ka bonwang bo ka nna 6,4 t/ha. Go supa gore mokgwa o o ka tseiwa go supa bonnate mme o ne o le mo maemong a boitshwaro. Mela e mebedi ya tlhaka e tlositswe mo seakong se sengwe le se sengwe, tlhaka e e tlositsweng ya balwa ebile ya lekalekantshwa go bona boima ba yona. Palo ya mela e e bonweng mo diakong e ne e le 12, 14, 16 le 18 mo mofuteng o le mongwe wa mmidi.

MEFUTA

Bokana ba kumo e e bonwang bo tlhomamiswa ke palo ya tlhaka le boima kgotsa bokete ba yona. Ntla e gape e tlaa tlhotlheletswa ke palo ya dimela mo heketareng, palo ya diako mo semeleng se sengwe le se sengwe le palo ya tlhaka mo seakong se sengwe le se sengwe. Go na le mefuta e mentsi ya mmidi e e ka dirisiwang ke balemirui mo kgaolong e nngwe le e nngwe ya go uma ka go simolola ka mefuta ya kutu e le nngwe le seakoa se le sengwe go ya go mefuta ya dikutu tse dikatisanetsweng le diako tse dikatisanetsweng. Mefuta e mengwe e supiwa e tshwanetse go silwa mme le go uma peo.

Kgono ya bokana ba palo ya tlhaka le palo ya tlhaka mo meleng e laolwa ka dikgato tsa go mela gare ga tsa V6 le V8. Dikgato tsa go mela tsa V6 le V8 di supiwa e le tsa fa go na le matlhare a le 6 le 8 morago ga go mela ga semela fa se jwalwa. Dikgato tse di bonagala, go ya le popego ya jetenki ya mofuta wa mmidi o o jwalwang, gare ga matsats a a ka nnang 23 go a le 32 morago ga go simolola go mela. Palobontsi ya diovulese e bopiwa morago ga diovulese tsa ntla di kgaoganya go nna mela e mebedi. Kgono ya seoka e e ka nnang diovulese tse di ka nnang 1 000 ka kgaolo e nngwe

Single plant data cobs		21	ha's												
	Size	Total length in cm's	Length to last seed row	No of rows	Kernels in row	Kernels per cob	No of pips from 2 rows	Wet mass of pips from 2 rows in grams	Mass from 1 row in grams	Inferred total wet mass of seed per cob	% Moisture	% Seed mass	Estimated dry mass	Dry mass per kernel grams	Actual dry mass at harvesting 12,5% moisture
Cob 1	Large	22	21	16	42	672	90	42	21	336	40,00%	60,00%	201,6	0,30	0,30
Cob 2	Medium	19,5	18	14	38	532	84	38	19	266	45,00%	55,00%	146,3	0,28	0,32
Cob 3	Small	18	12	14	19	266	82	38	19	266	65,00%	35,00%	93,1	0,35	0,34

Single plant data cobs		4	ha's												
	Size	Total length in cm's	Length to last seed row	No of rows	Kernels in row	Kernels per cob	No of pips from 2 rows	Wet mass of pips from 2 rows in grams	Mass from 1 row in grams	Inferred total wet mass of seed per cob	% Moisture	% Seed mass	Estimated dry mass	Dry mass per kernel grams	Actual dry mass at harvesting 12,5% moisture
Cob 1	Large	22,50	21,50	18	44	792	88	40	20	360	35,00%	65,00%	234,00	0,30	0,31
Cob 2	Large	21,00	20,00	14	45	630	92	40	20	280	35,00%	65,00%	182,00	0,29	0,30

Summary – estimated yield							
Ha's	Plant pop	Mass / Plant	Yield	less 5% harvesting loss	Total land yield in tons		
Land portion	21	16 304	422	6,88	6,54	13726	
Land portion	4	15 000	300	4,50	4,28	1710	
Total land	25			6,17	15436		

le e nngwe e tlhomawa beke pele ga meriri e bonala ka nako e e ka nnang matsatsi a le 70 morago ga go jwalwa. Meriri e e tswa mo ovulese e nngwe le e nngwe mme fa e amogela modula, e a nontshwa, mme e simolola go gola go nna tlhaka. Palo ya tlhaka e e ka kgonwang go bopiwa jalo e ikaega ka maemo a tikologo ya go mela le bokana ba kotlo e e leng teng pele ga nako ya go simolola go supa meriri, mme palo ya tlhaka e e ka golang go bona boima ka tshwanno e ikaega ka maemo a tikologo le bokana ba kotlo ka nako ya go supa meriri le nako morago ga go supa meriri.

Diako tse di supiwang fa tlase di tswa mo mofuteng wa mmidi wa dikutuntsi le diakontsi tse di tshwanetseng go silwa. Jaaka go bonwe mo setlheng ka dikgato tsa go uma tlhaka tsa ntla tsa R2 le R3 dimela tse dingwe di ne di na le kgono ya go medisa diako tse di ka nnang tse supa mo dikutung tse tharo tse di fileng diako tse 2 go tse 3 ka nako ya go roba. Ka dithla fa pula e na ka bontsi diako tse di oketsang di ka bo di tshwanetse. Re kopa gore o lebelele ditshwantsho tse di supang dikgato tsa go mela tsa mmidi tse dintsi tse di leng teng mo barekisi ba peo.

Balemirui ba tshwanetse go lemoga gore go mela ga mathare a mantsi go tlaa oketsa tiriso ya metsi le kotlo mme ka ngwaga o pula e sa neng ka go lekana go ka tlisa kgatelelo fa go mediswa diako mme ga fokotsa bokana ba thobo e e ka bonwang. Dintla tse di tshwanetse go lebelelwa ka kelotlhoko le morekisi wa peo wa gago fa go swetswa gore ke mofuta ofe wa mmidi o o tshwanetseng masimo a gago. Go botoka go jwala mefuta e e farologaneng go kgona go tshwantshanya le 'boemotsheto' bo bo tlwaetsweng bo bo setseng bo supile gore bo a kgona mo masimong ya gago ka dithla tse di rileng. Go ikwalela go nna mongwe wa lenaneo la teko la go dirisa mefuta e mentshwa e e tlhobololwang go ka nna bogongwe bo bo ka lebelelwang.

BOLAODI BA TIRISO YA MONONTSHA

Go setse go tlhomilwe dipatlisiso tse dintsi tse di supang gore botlhokwa ba naeterojene mo dikgatong tsa go bopa tlhaka tse di supilweng fa godimo fa bo tlaa nna le ditswamorago tse di rileng mabapi le o mela le bokana ba thobo kwa mafelelong. Bolaodi ba mefero fa dimela di le mo seemong sa kgato ya mathare-5 (V5) go fithelela matsatsi a le 21 morago ga go simolola go mela bo bothokwa thata.

Go bothokwa go feta go lokela monontsha wa naeterojene fa thoko fa o sa lokelwa gare ga dikgato tsa V5 go ya V8 go netefatsa gore dikotlo di nne teng mo mmung go kgonisa mmidi go bopa tlhaka ka bokana bo le kaneng. Jaaka go supilwe mo diathikeleng tsa pele go supiwa gore bogare ba bogothe ba naeterojene e e tlhokiwang bo lokelwe ka nako ya go jwala mme kgaolo e e salang ka nako gare ga dikgato tsa go mela tsa V5 go ya V8. Fa maemo a tikologo a go thibela go lokela naeterojene ka bokana bo

bo tlhokiwang, e ka lokelwa go fithelela kgato ya go mela ya mathare-10 fa didiriswa tsa gago di ka dirisiwa mo masimong mme dimela di se telele go feta. Mmidi o ka gola go tloga go lekana le mangole a gago go fithelela magetla a gago gare ga matsatsi a a ka nnang 14. Togamaano ya gago ya go lokela monontshathoko e tshwanetse go tlhomawa sentle pele o simolola go jwala dijwalwa tsa gago.

Matlhare a mangwe le a mangwe a a sa bopiwang ka tshwanno a a supang bothokwa ba naeterojene, sebabole kgotsa potasiamgo go tswa mo ditekong tse di supiwang fa godimo a tshwanetse go dirisiwa go fetola le go lekalekanatsha lenaneo la tiriso ya monontsha. Bothokwa ba sebabole le naeterojene bo ka iphitlhla, mme bothokwa ba potasiamgo bo bonala fa diako di le khutswane ebile di tletse tlhaka e e a nonang. Ditshupetso tse di ka bonwa ebile di ka sekasekiwa ka go rarabolola go mela ga mathare mme tota le matlhare a a godileng a matala. Go bothokwa go nna le lenaneo la tekatekano la go dirisa monontsha. O tshwanetse go leka ka dinako tsotlhe go oketsa palo le boima ba tlhaka ka thobo e nngwe le e nngwe ka go tlhola go rulaganya bolaodi bo bo siameng.

BOKHUTLO

Tlhola o etela dijwalwa tsa gago mabapi le barekisi ba peo le monontsha ba gago ka dikgato tsotlhe tsa go mela tsa dijwalwa tsa gago go bona mathata a bothokwa ba kotlo fa a simolola pele a fokotsa bokana ba thobo ya gago kwa mafelelong. Lemoga dintla tsotlhe tse di leng teng mo masimong a gago tse di ka tlhotheletsang dikgato tsa go mela, go bopa ga tlhaka le go roba. ■

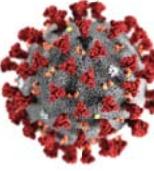


Dikao tse di supang diako tse di omileng ka nako ya go robiwa.



Mefutafuta ya diako ka maemo a nako di sa nna le metsi a mantsi.

Akanya gape ka ntlha ya bolaodi ka nako ya COVID-19



KA NAKO YA GO KWALA ATHIKELE E RE NE RE LE MO MAGARENG A LOTLELELO E E BAKILWENG KE SEGAJAJA SA COVID-19. GORE LOTLELELO E TLAA TLOSWA LENG KE GO BOTSA GAPE LE GAPE. GO NGWE KA NAKO E O BUISANG ATHIKELE E LOTLELO E TLAA BO E TLOSITSWE, MME MOGARE O TLAA SALA O LE TENG GO YA LE DINATLA TSA KITSO. LE FA GO NTSE JANG LE JANG, ATHIKELE E E TLAA SALA E LE BOTLHOKWA.

Le gale, ditlhaseloo mabapi le bolaodi ba kgebo ya bolemirui, tota dikgebo tse di dirisang naga e nnye, di setse di kgonwa go supiwa mme di tshwanetse go lebelelwa ka bonako go kgonwa go tsweleletsa kgwebo e e kgonang. Mme re tshwanetse go lemoga gore botshelo jaaka re neng re bo thwaetse pele ga lotlelelo bo ka se tshwane jaaka bo re tlao bo bonang morago ga lotlelelo.

GO KA SUPIWA DITLHASELO DIFE?

Tlhaseloo e kgolo go feta e re e bonang gone jaanong ke kelelo ya madi. Balemirui ba bangwe ba bona mathata mabapi le thekiso ya kumo ya bona, mme go tlhasela poelo ya madi e ba ka e bonang. Ntlha e e tlisa mathata mabapi le tuelo ya ditshenyego jaaka dituelo tsa badiredi, motlakase, jalo le jalo. Balemirui ba ba nang sekoloto se se kwa godimo go feta le bona ba bona mathata ka ntlha ya kelelo ya madi go gaisa ba ba se nang sekoloto. Re tshwanetse go gakologelwa gore go tswelelela pele, ka nako ya lotlelelo kgotsa morago ga yona, re tshwanetse go laola kelelo ya madi le sekoloto ka kelotlhoko go kgonisa dikgwebo tsa rona.

Mokgwa o mongwe o o rileng wa go lebelelka kelelo ya madi ke go aroganya kgwebo ya gago. Kwa ntle ga go uma mofuta o le mongwe kgotsa mefuta e mebedi ya kumo ka lotseno la madi gangwe kgotsa gabedi ka ngwaga, aroganya kgwebo ka go phatlalatsa lotseno la gago mo ngwageng. Fa o fosa ka kumo e nngwe, bogolo o ka ikana ka lotseno la kumo ya mofuta o mongwe. Gakologelwa gore go aroganya ga go re o tshwanetse go dirisa mefuta e mengwe ya kumo fela. O ka leka go dirisa mofuta o mongwe wa kgwebo. Akanya ka pharologanyo. Lebelelka kgono ya gago le ya ba lelapa la gago mme le metswedi e o nang yona. Fa goingwe o ka lebelelka boetipolaseng?

Fa o bone mathata ka thekiso ya kumo ya gago ka nako e, fa gongwe o ka lebelelka gape mokgwa wa thekiso wa gago. Go na le kgatelelo ya nnene ya go reka mefuta ya kumo e leng merego, maungo, nama le mašwi mo molemirui a di umang. Kopo ya go reka kumo mo balemirui e ntse e bonalwa mo Facebook ka letsatsi le letsatsi. Pego e e neilweng mo *Landbouweekblad* e supa gore go na le marekisetso a dispaza a a ka nnang 150 000 mo Afrikaborwa mme go na le kgatelelo ya go tshegetsa beng ba tsona ka dintlha tsa thekenoloji go laola mabenkele a bona ka tshwanno, tota setoko sa bona, mme ba bantsi ba supile gore ba tlao



Aroganya kgwebo ya gago go fokotsa diphatsha.

Marius Greyling, Mokwadi wa Pula Invula. Romela emeile go marius@mccacc.co.za



batla go rkisa maungo le merogo. Go na le ditshono tse dingwe gape tsa go rekisa kumo, fela o thswanetse go tswelela kwa ntle go di batla.

Go ya le ntlha ya go uma fa gongwe o tshwanetse go lebelelka mekgwa ya gago ya go uma. A o setse o simolotse go dirisa mokgwa wa go uma wa tshomarelo kgotsa o sa dirisa mekgwa ya go lema ya tlwaelo ya kgale? Bolemiruitshomarelo bo batla go uma dijwalwa mo masimong ka go fokotsa go retolola ga mmu, go oketsa maemo a kotlo mo mmung le go tshwara metsi a leng mo mmung. Go fokotsa go retolola mmu, go tlholo o bipeditse (ka dijwalwa tse dingwe) mmu, ka go dirisa thefosano ya dijwalwa le go tlholo go fetola mefuta ya dijwalwa tse di jwalwang, mme le go tsetntsha diruiwa mo lenaneo la go uma la gago, go supilwe gore go kgonwa ka tshwanno. Ka ntlha ya go tshwara metsi balemirui ba ba dirisang mekgwa e ba fitlhetswe ba bona kumo ya go lekana tota le fa go na le dikgaolo tsa komelelo mo nakong ya go uma. Ka ntlha ya go dirisa go se suge mmu tshenyego e a fokotsegaa mme bokana ba kumo e e bonwang bo a oketsegaa. Gape, ka go tshentsha diruiwa o farologantsha ditiragalo tsa gago mo polaseng. Badirisi ba kumo ba simolola go el a tlhoko mekgwa ya go uma ya tshomarelo e e dirisiwang go uma kumo e siameng mme ba gatelela go itse gore kumo e ba e rekang e ungwilwe ka mokgwa ofe.

Sephetho se sengwe sa lotlelelo ke gore batho jaanong ba lemoga maemo a mo go dirwang gore a nne a siameng. Solofela gore maemo a a tlao tswelela morago ga nako ya lotlelelo mme gape le gore o tlao bona koketso ya ditlhathlobo tsa Lefapha la Ditiro. Jalo, ipaakanye.

Re batla go gatelela gore kgono ya bolaodi ba kgwebo ya gago e ikana ka togomaano e e siameng ka ngwaga le ngwaga e e tswelelang go nna tekanyetso e e siameng. Tekanyetso jalo ke tshupetso ya maano a gago a tiriso ya ditshetele mme e tshwanetse go akaretsa tekanyetso ya kelelo-madi. Jaanong laola kgwebo ya gago go ya le leano la gago e le tekanyetso ya gago e o e rulagantseng. Go ya le tekanyetso ya kelelomadi ya gago, tlhokomela go se reke fela tota go se reke fela ka madi a a adimilweng. Fa o belaela go rulaganya togamaano le tekanyetso jang ka tshwanno, batla thuso mme gakologelwa gore fa o sa lekalekantshe ga o kgone go laola ka tshwanno. Tokafatso go bega ga gago, go bothhokwa tota.

BOKHUTLO

Jalo, tsaya tsia gore o ka se tswelele go nna molemirui yo o kgonang jaaka o tlwaetse. Molemirui yo o kgonang ke mongwe yo o kgonang go bona poelo e e lekaneng go tsweleletsa kgwebo ya gagwe ka ngwaga le ngwaga. Tlhaseloo ya segajaja sa COVID-19 le nako ya lotlelelo ke go nagana gape ka mokgwa wa gago wa go laola kgwebo ya gago ka bogothe – go uma le mekgwa ya go uma, thekiso ya kumo, tiriso ya metswedi, boitekanelo le tlhokomelo, bolaodi ba ditshetele tsa gago, le pego ya ditiragalo tsa gago ka tshwanno. Topo ya go nna le dijо e ntse e oketsegaa mme seja sa COVID-19 se supile gape bothhokwa ba pabalesegodijo, jalo go bonalwa ditshono.

Rata kgwebo ya gago, nagana gape mabapi le kgwebo ya gago mme ipaakanye go bona segajaja se se ka latelang se, kgotsa...! ■

PHOKOLETSO YA TISELE

– tlhaloso ya tse o tshwanetseng go di itse



PHOKOLETSO YA TISELE KA THEO KE THULAGANYO YA PUSETSO YA MADI. KE PHOKOTSO YA LEKGETHO E E LENG TENG GO DITIRAGALO TSE DI RILENG TSA BOLEMIRUI, MEEPO LE DIKGWA MO GO TSE DINGWE.

Maikaelelo ke go fokotsa bokana ba morwalo o o rwalwang ke diintaseri tsa selegae tse di tshwanetseng go gaisana le tse di mo lefatsheng ka bophara mo, e le sekao, balemirui ba bantsi ba amogelang diketleesto le mefuta e mengwe ya tshireletso. Gape e ikaelela go nna tlthatlolo e e neiwang mo dikoloing tse di sa diriseng ditsela ka ntliha ya gore tiro e di e dirang e mo kgaolong e le nngwe e e ka supiwang e le sekao, mo polaseng. Thulaganyo ya Phokoletso ya Tisele jaaka go ntse e laolwa ka go dirisa thulaganyo ya VAT go ya le Molao wa Makgetho le Ditirelo tsa Melelwane.

Phokoletso e naya phokotso ka bogothle kgotsa ka kgaolo mabapi le Lekgethwananakaretso la Mafura le Lekgethwana la Letlolo la Dikotsoditseleng. Go tloga 1 Moranang 2020, Lekgethwananakaretso la Mafura le okeditswe ka masente a a leng 355 ka litara; mme la Letlolo la Dikotsoditseleng le okeditswe ka masente a a leng 207 ka litara.

Molemirui o kgona go amogela phokoletso mo 80% ya tiriso jaaka molao o tlhalosa ya dilitara tse a di dirisang. Ke go re ke dilitara tse di dirisiwang go tsweleletsa ditiragalo tsa bolemirui mme ke kwa ntle ga tse di dirisiwang ke molemirui go dira ditiragalo tsa mo legaeng la gagwe. Dithulaganyo tsa bolemirui di letleletswa go amogela phokoletso mabapi le tiriso ya tisele e foloswang mo polaseng ya molemirui yo o letleletsweng. Balemirui ba bantsi ba ntse ba lopa tuelo ya phokoletso le fa tisele e rekiwa mo mafelong a mangwe a bolemirui a a rekisang tisele. Le gale, katlolo ya Kgotla ya Makgaolakang ya Boipiletso e e filweng ka Ngwanatsele 2019 e neile tshupsotsela mabapi le Molao, fa e supile gore moduedilekgetho yo a letleletsweng go amogela phokoletso ya tisele o kgona go e amogela fela go ya le mafura a tisele a a bolokiwang ebile a a dirisiwang mo polaseng ya gagwe.

A KE KGONA GO LETLELFWA JANG GO BONA PHOKOLETSO?

Go kgona go letlelwa go amogela phokoletso ya tisele:

- Go botlhokwa go ikwadisa pele o le moduedi wa VAT.
- Morago ga moo o tshwanetse go kopa go kwadiswa go amogela phokoletso ya tisele le SARS. Foromo e e tshwanetseng go tlaswa ke ya VAT101D.
- Go kgona go letlelwa go amogela phokoletso mme le go kgona go kopa puseletso ya phokoletso, molemirui o tshwanetse go supa bokana ba mafura a a dirisitsweng go ya le molao.
- Makwalo otlhe a a tsamaelanang le go reka ga tisele a tshwanetse go tshwarwa.
- Dibukapego di tshwanetse go tlatswa. Go tlaa tlhoka gore molemirui a tlatsi pego e e supang ditiragalo tse a letleletsweng go kopa phokoletso mabapi le tsoma mme gape le bokana ba tisele e e dirisitsweng go dira tiro e nngwe le e nngwe.

Jenny Mathews, Mokwadi wa Pula Imvula. Romela e meile go jennymathews@grainsa.co.za



DIBUKATIRAGALO

Dibuka tse ke bopaki ba gago ba go reka tisele le tiriso ya teng.

Ke kitso ya mofuta ofe e e tshwanetseng go kwalwa mo bukatiragalang ya phokoletso ya tisele?

1. Theko yotlhe ya tisele. Kwala letlha, ditlhankana tsa lekgetho mme tshwara dikhopi tsa dipampiri tsotlhe gore o kgone go di supa fa di tlhokiwa. Lemoga: Phokoletso e kopiwa go ya le tisele e e setseng e dirisitswe e sang go ya le e e rekilweng.
2. Bega letlha le tlhaloso ya dikoloi tse mo go tshetsweng tisele go tswa mo tankeng ya go boloka tisele ya gago mme le jaaka e dirisitswe go dira tiro ya mo polaseng. Naya tlhaloso e e tseneletseng ya koloi le palo ya dilitara tse di tsheletsweng mo tankeng e nngwe le e nngwe ya dikoloi tse go tswa mo tankeng ya gago ya mo polaseng.
3. Bega gore ke mofuta ofe wa tiragalo ya bolemirui, le mo tshimong efe sediriswa se dirisitswe. E le sekao, go lema, go sega mmu, go jwala. Lemoga: SARS e itswe e kopa go itse gore tiragalo e dirilwe mo lefelong lefe, jalo go bothhokwa go supa gentle gore tisele e dirisitswe kae mme le go dira tiro efe.

Sekao sa bukatiragaloy tiriso ya tisele se ka bonwa mo lelapainthaneteng la SARS mo: <https://www.sars.gov.za/AII Docs/LegalDoclib/Drafts/LAPD-LPrep-Draft-2013-17%20-%20Draft%20Tariff%20Amendment%20Diesel%20Usage%20Logbook.pdf>

KAKARETSO

Go bothhokwa gore balemirui ba tlhaloganye gore phokoletso ya tisele ke thebolelo e e totobetseng e e dirwang. Baemedi ba SARS ba tlhola ba lebeletse bao ba ba lekang go tsietsa thulaganyo le go e dirisa go utswa. Go mosola go bolemirui ka bophara gore re tlote molao e bile re se leke go tsietsa le go utswa fa re dirisa thulaganyo e.

Phokoletso ke mosola o le mongwe fela o balemirui ba o amogelang go tswa mo mmusong mme re tshwanetse go leka go bega dipego tse di siameng tota. Fela jalo, fa balemirui ba bona mathata mabapi le thulaganyo ya phokoletso ya tisele le tiriso ya teng, Grain SA e ka ba tshegetsu mme balemirui ba tshwanetse go ikopantsha le baeteledipele fa ba kgona go supa dipego tse di siameng mme le ditshupetso tsa tiriso, tota le dintlha tse di ba nayang mathata mabapi le thulaganyo e. ■

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Setswana, Seësemane, Sesotho, Sezulu le Sethosa.

Articles written by independent writers are the views of the writers and not that of Grain SA.

LEANOTHAELO LA LEKALA LA DIKGOGO go tsholetsa lekala la go uma tlhaka

LEANOTHAELO LA LEKALA LA DIKGOGO LE TLHABOLOTSWE KA TIRISANO GARE GA MMU-SO LE MAKALA A MANGWE MO INDASETERING, GO TLOGA KA BARUI BA DIKGOGO, BAFETOLODI, BAROMELANTLE, BAROMELATENG LE BALAODI BA DITIRO. LE NAYA MOTHEO GO TSWELELETSWA LE GO OKETSA BO-KANA BA KUMO (LE DITIRO) MO INDASETERING KA GO DIRISA MAANO A A KA DIRISIWANG MO DINGWAGENG TSE DI RILENG.

Nnete ke gore le tlhalosa tebelelopele e ntshwa go feteletsa maemo a tatelano ya koketso ya tlhotlhwa mme le supa dipinagare tse tlhano tse di tshegetsang tebeleopele e mme le rulanganja maemo a gore Khansele ya Leanothaelo la Lekala la Dikgogo e kgone go tlhokomela le go tsweleletsa tiriso ya dipinagare tse.

Lekala la dikgogo le na le maemo a a botlhokwa mo Aforikaborwa, le naya kotlo ya poroteine e e botlhokwa go malapa a dimilione. Le oketsa tlhotlhwa ya mmidi le disoya, e le sediris se se botlhokwa sa kumo ya kgaolo ya bolemirui. Indaseteri e e kgonwa go tsengwa botoka mme e botlhokwa go go fetola ga dijo, koketso tlhotlhwa ya kumo le go naya tiro go batho mo lefasheng lotlhla rona.

DITLHASELO

Ditlhaselotse di bonwang ke lekala la dikgogo di ka nna koketso ya tlhotlhwa ya dijо, go

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diriswa ka bonnye, mo go tlisang baromelateng mo Aforikaborwa, maemo a marekisetso le ditumelo tsa go rekisa le go reka tse di tlisitseng nama e ntsi ya dikgogo ya tlhotlhwa e e kwa tlase go tswa kwa ntle mo marekisetsong a rona. Gape ga go na kgono ya go romelantle ka nthha ya bophepa le dinthha tse dingwe tsa boitekanelo. Phethogo mo tatelano ya tlhotlhwa le yona e sa le tlhaselo e kgolo mo lekaleng.

Go na le bothokwa ba go oketsa lekala la dikgogo mme le go se latlhе kgono ya go uma mo gae. Ntlha e e bothokwa jalo ke go bofelela bokana ba thomeloteng. Gape, go tshwanetse gore go nne kgagamelo ya dikgole mabapi le mekgwa e e siameng ya thekiso le mokgwa o mongwe le o mongwe wa go folosa kumo ya dikgogo mo marekisetsong a rona.

PINAGARE YA NTLHA

Mo go dipinagare tse tlhano tse di supiwang mo leanothaelo go tsweleletsa tlhatlhobo le tshegetso kgaolo ya dikgogo, pinagare ya ntlha e supa kgaolo ya go umathakammele jaaka balemirui ba tlhaka ba ka thusa go tsholetsa kgaolo ya dikgogo. Go supa phuthologo ya go uma mmidid le disoya.

PINAGARE YA 1: GO PHUTHOLOLA LE GO TOKAFATSA BOKANA BA KUMO GO KGONA GO LEKANA LE BOKANA BO BO TLHOKIWANG KA 2023.

Lenaneo

1.1: Tirosanommogo gare ga SAPA le Grain SA go oketsa bokana ba mmidi le disoya go kgaolo ya dikgogo le go fokotsa tlhotlhwa.

Tse di tlhokiwang

- Oketsa bokana ba tiriso ya dijо tsa dikgoog ka ditono tse di ka nnang 300 000 ka ngwaga.
- Sekaseka mekgwa ya go dirisa koketso ya topo e go rerisana phokotsa ya tlhotlhwa.

Ditlamego mabapi le kgono

- Koketso ya tiriso e e ka nnang ditono tse 300 000 ya disoya/mmidi e tshegetsa ditiro tse di ka nnang 300.

Tebelelogotlhе/Boikarabelo

- IDC e tlaa dirisana mmogo le Grain SA le Thulaganyo ya Dikgogo ya SA (SA Poultry Association – SAPA) go rarabolola bogongwe ba dithulagananyo go oketsa bokana ba kumo mo dikgaolong tsa kgono, le go fokotsa tlhotlhwa.
- Lekgotla go supa dikgato tse dingwe gape go kgona go bona maitlhomo a.



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