

Mokgwa wa go tsaya Mmu mo Masimong



GO TSAYA MMU MO MASIMONG

Go na le lekalana la tlhatlhobelo ya mmu mo Lephatheng la tekeletso ya tsa temo-thuo; “Department of Agricultural Research”. Lekalana le le dira tlhatlhobo ya mmu go batlisisa seemo sa menontshane mo go one. Gore tlhatlhobo ya mmu e nne mosola, go tsaya mmu mo masimong go tshwanetse go dirwe ka tsela ee tshwanetseng. Bukana e, e tlhalosa tsela e mmu o nang le go tsewa ka yone mo masimong.

MMU O TLHATLHOBELWA ENG?

Ga gona masimo aa tshwanang; masimo a farologana ka mehuta ya mebu, le gore e nale dikotla tse di kanang kang. Masimo a tle abo a tlhophilwe la ntlha fa a ne a santse a kgona go ntsha dijo tse di siameng, tse di itekanetseng.

Fa tshimo e ntse e lengwa ngwaga le ngwaga, seemo sa menontshane mo go yone seya ko tlase ka jaana dijwalo di abo di e dirisitse.

Go itse seemo sa menontshane mo tshimong, mmu o tshwanetse o tlhatlhabiwe ke baitseanape ba mmu. Molemisi o tshwanetse a thusa molemi ka go mo tlhalosetsa ditaello tse di tswang ko ba tlhatlhobing ba mmu.

Fa mmu o tlhatlhabilwe ebile ditaello tsa go o nonotsha ka metshotelo di dirisitswe sentle, molemisi o ka bodiwa gore mmu o ka tlhatlhabiwa morago ga lobaka lo lo kae.

Mmu mo tshimong o siame go tsewa ka nako ya mariga morago ga thobo fa mmu o omile. Gape mmu mo masimong o ka tsewa ka nako ya dijwalo di sale mo masimong, fa di itshupang go sa goleng sentle teng. Fa go ntse jalo, mmu o tshwanetse o tsewe ka go farologana ga one mo lefelong le dijwalo di golang sentle teng le mo di sa goleng sentle teng.

MOKGWA WA GO TSAYA MMU MO TSHIMONG

Fa o belaela gore o nale mathata a mmu mo tshimong, o ka romela mmu wa gago go tlhatlhabiwa. Gore tlhatlhubo e tsamaye sentle, e nne le mosola, o tshwanetse go sala morago dikgato tsa go tsaya mmu.

A. Selekanyo sa fa mmu o tsewang teng

Sa ntlha, lebelela pharologanyo e e kaneng e bonala mo mmung wa tshimo ya gago. O seka wa tsaya mmu o le mongwe go emela lefelo le letona thata. Lefelo le le fetang diekere tse tlhano le nale go kgaogangwa pele ga mmu o tsewa. O seka wa kopakopanya mmu o o sa tshwaneng.



B. Kitso ka ga mmu o o tserweng

Pele ga o tsaya mmu, tse di latelang di tshwanetse go kwalwa mo pampiring e e romelwang le mmu.

- Letsatsi
- Kgaolo/masimo
- Motsei wa mmu (A/D)
- Kgaolwana ya molemisi
- Boteng jwa go tsaya mmu
- Polasi kana tshimo ya molemi
- Palo ya mmu o o tserweng
- Bogolo jwa lefelo
- Tse di dirisitsweng mo temong ya ngwaga o o fetileng.

Fa godimo ga moo, fa e le gore monontshane oa tlhokafala gore o dirisiwe morago ga tlhatlhobo, kitso ka tse di dirisitsweng, jaaka motshotelo le thobo ya ngwaga o o fetileng di a tlhokafala.

Go na le pampiri (form) e e diretsweng tse di fa godimo.

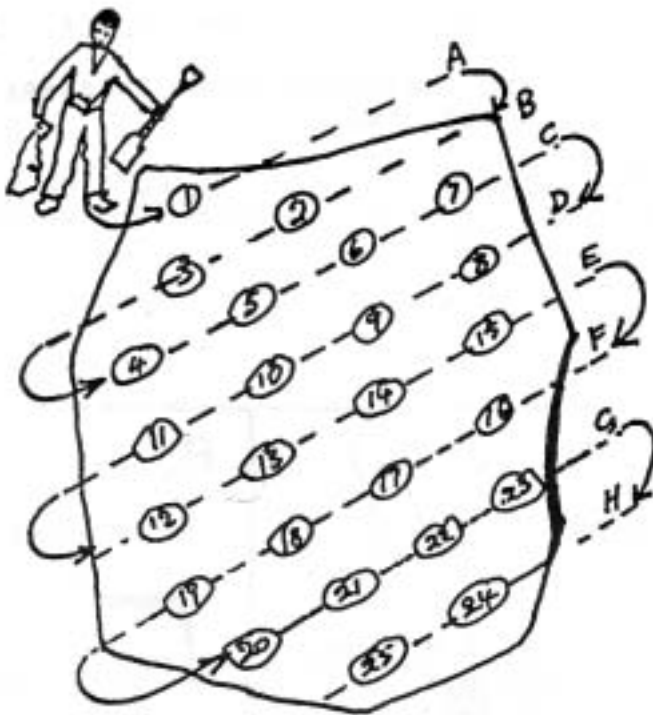
C. Dirisiwa tse di tlhokafalang mo go tseyeng mmu

O ka dirisa garawe e e phepa go epa mmu mme wa o tsenya mo polasetiking e e phepa.

D. Tshekatsheko (tebatebo) le tekanyetso ya lefelo le mmu o tlaa tsewang mo go lone

Gore mmu o o tsewang mo tshimong o tle o emele tota lefelo le o o tsayang mo go lone, mmu o tshwanetse wa tsewa fale le fale ka go kabakangwa, o tsewa mo lefelong le le tshwanang mme wa tlhakanngwa. Go dira jalo, o ka simolola ka go tsaya mmu mo tlhofing go tloga foo wa tsamaya selekanyo sa dikgato di le some go ya tse di masome mabedi, se o tla bong o tsaya mmu mo go sone.

Dira jalo go fitlhelela o tsena kwa lethokong la lefelo leo. Jaanong o simolole go boa o tsamaela kwa ntlheng e nngwe go fitlhelela o wetsa bophara ja lefelo leo. Lebelela mo setshwantshong se se latelang. Tlhokomela gore o seka wa tsaya mmu o o mo letshitshing la tshimo.



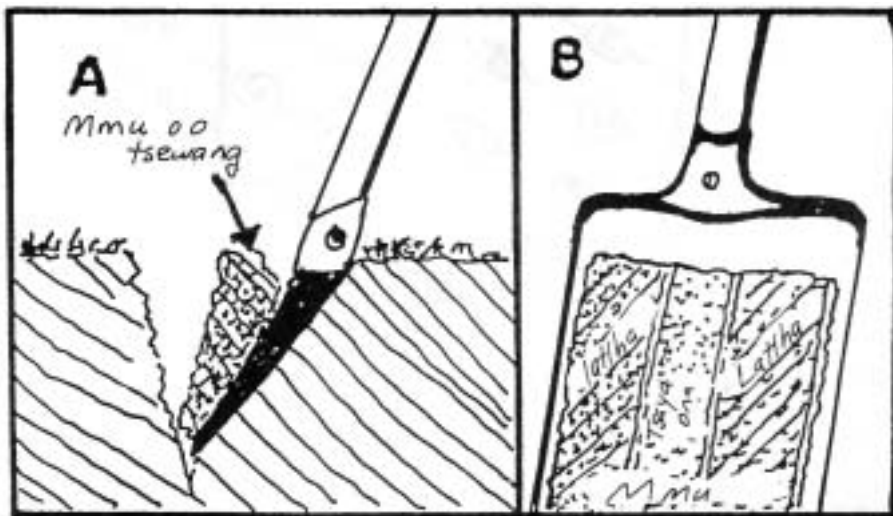
E. Tsela ya go tsaya mmu

Mmu o ka tsewa boteng jo bo kanang ka 20cm, ke gore e ka nna dinoko tse thataro. Boteng jo mmu o epiwang mo go jone, bo seka ja feta boteng jo bo lemiwang ke mogoma. Mme ebile o tlhalose mo pampiring ee romelwang le mmu gore mmu o tserwe boteng jo bo kae.

MOKGWA WA GO DIRISA GARAWE GO TSAYA MMU

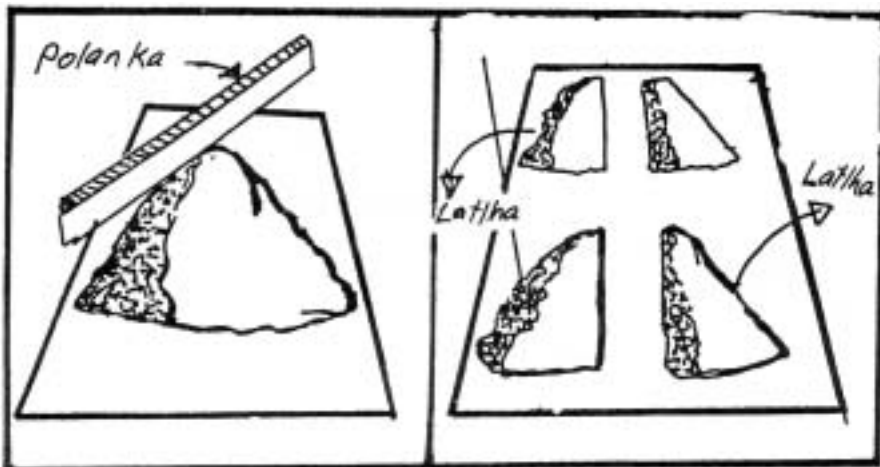
Lebelela mo setshwantshong se se latelang fa jaaka garawe e dirisiwa.

Fa o sena go tabola mmu ka garawe, o ka o fokotsa ka go fata o bo o latlha o o mo dithoko o sadisa o o fagare.



F. Tekanyetso ya mmu o o romelwang

Fa o sena go nna o tsaya mmu fale le fale mo lefelong le le tshwanang, o tlhakanye o bo o o kgaoganye ka karolo tse nne. Jaanong latlha di le pedi tse di lebaganyeng mme o boe o o tlhakanye. Tswelera ka go dira jaana go fitlhelela o sala ka mmu wa selekanyo sa lebokoso la “chibuku” (1kg). Selekanyo se ke sone o se romelang kwa batlhatlhobing ba mmu.



G. Thomelo ya mmu go tlhatlhabiwa

Tsenya mmu mo kgetsaneng ya polasetiki o nale mokwalo o o tlhalosang gore mmu o tswa kae, ke wa ga mang, o tserwe leng. Dikarabo tsa dipotso tse di kwalwe mo pampiring e e tlhalosang ka letso la mmu.

H. Dipotso le boikuelo

Dipotso le boikuelo di ka isiwa ko atereseng e e latelang:

Soils Analytical Laboratory
Private Bag 0033
Gaborone
Tel. 352381 ext. 299 & 294

SA BOFELO KE SE: Ela tlhoko tse di latelang:

- a) Tlhatlhobo ya mmu e ka nna le thuso fela fa e le gore mmu o ne o tserwe ka tsela e e tshwanetseng.
- b) Tlhalosa sentle ka letso la mmu le tshimo ya gago.
- c) Mafelo a matona thata a kgaogangwe go lekanyediwa pele ga mmu o tsewa.
- d) Tsenya pampitshana e e phepa e e tlhalosang ka letso la mmu.
- e) Dirisa dilwana tse di phepa tse di tshwanetseng.
- f) Tsaya mmu ka go farologana ga one le mafelo.
- g) Mmu o tsewe mo botenyeng ja mogoma (20cm).
- h) Fa mmu o le montsi thata, o fokotse ka fa tshwanelong go fitlhelela o nna mo selekanyong se se ka romelwang (1kg).
- i) Tsenya mmu mo polasetiking mme o o romele ka pele.
- j) O ka kopa molemisi wa kgaolo go go thusa ka botsipa jwa go tsaya mmu, le go o romela.

DIPALO TSA GO TSAYA MMU MO MASIMONG

1) Botona jwa tshimo

1 Ekere = 4840 sq. metres 100 x 100 dikgato

1 Tema = 10000 sq. metres 100 x 100 dikgato

= 2.47 ekere

= 1.16 mmorogo

Ela tlhoko gore 1 sq. metre ke kgato ka kgato (tse di telele).

2) Bokete:

Ditlhaloso

1 ponto (lb) = 16 Oz.

1 Kilo (kg) = 2.205 lbs.

3) Phetolelo

1 metric ton = 1000kg

1 Kgetse ya monontshane = 50kg

50kg = 110 ponto selekanyo sa 1 cwt. (112 lbs)

X Lbs/acre go kg/ha y = 1.12 x

X Lbs go y kg y = x/2.205

Dilekanyo tsa dikotla mo mehuteng ya menontshane

| | N | P | K |
|------------------------|------|-----|-----|
| single super (10.5% P) | 0 | 5.3 | 0 |
| 232 (22) + 0.5% v Zn | 3.2 | 4.7 | 3.2 |
| 321 (25) + 0.5% Zn | 6.3 | 4.1 | 2.1 |
| LAN (28) | 14.0 | 0 | 0 |
| Ammonium sulphate (21) | 10.5 | 0 | 0 |
| Urea (46) | 23.0 | 0 | 0 |

Fa o ne o lebile fa godimo, o tla lemoga gore monontshane wa phosphate ka selekanyo sa 20kg/ha, o ka tsenngwa ka tsela tse di latelang:

- Kgetsana tse 2 tsa single super mo hecthareng
- Kgetsana tse 2 tsa single super mo ekereng
- Kgetsana tse 4 tsa 232 mo hecthareng
- Kgetsana tse 2 tsa 232 mo ekereng

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