

If you have suggestions or comments on the **Maize-Seed-Area** application, please help us, to improve it. Tell us during an evaluation meeting, or send a message to:



WhatsApp:
07003331592



e-mail:
msakenya.odk@gmail.com

Maize-Seed-Area

KENYA
odk-version 3.0



Quick Guide

FIELD MEASUREMENT

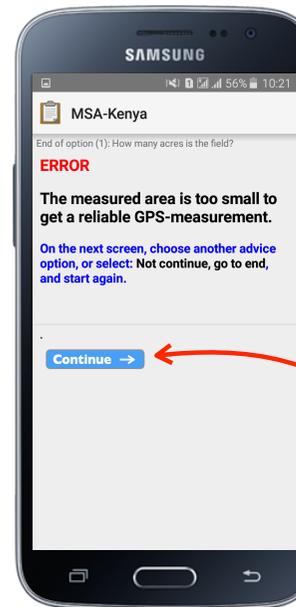


Taking Maize Agronomy to Scale in Africa - TAMASA

© 2018

 **CIMMYT**_{MR}
International Maize and Wheat Improvement Center

(5)



Instead of a field area measurement, you might get an **ERROR** message.

This happens when the area you have tried to measure is smaller than 0.05 acres (in which case GPS measuring is not very reliable), or if something went wrong during measuring.

Select: **Continue ->** to try other advice options.

You could also select:

Not continue. Go to end.

and:

You are at the end of MSA-Kenya.

Save Form and Exit

to end the **Maize-Seed-Area** application.

You could try measuring the field area again, if you think it is bigger than 10 by 20 meters (approx. 0.05 acres).

(4)



You are now back at the screen:
How to measure with the phone (2)

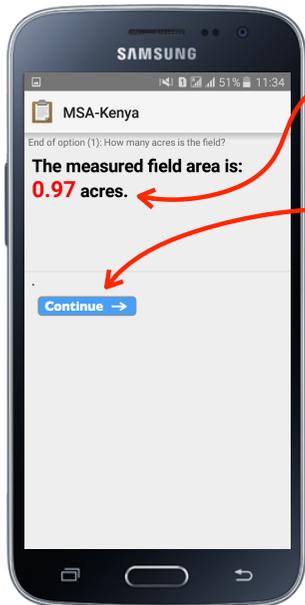
but the Start GeoTrace button at the bottom of the screen has changed to:

View or Change GeoTrace

DO NOT select this button again.

If you scroll down, you can see a long list of GPS-coordinates (numbers). These are the points you measured, which are used to calculate the field size.

Now, select: **Continue** →



After filling out an additional question, **Maize-Seed-Area** will give you the measured field area in acres.

Select: **Continue** → and then one of the other advice options you like.

You can also end **Maize-Seed-Area**, by selecting:

Not continue. Go to end.

and then, on the end screen:

You are at the end of MSA-Kenya.

Save Form and Exit

1 How many acres is the field? GPS

The area measurement option of **Maize-Seed-Area** uses the phone's in-built GPS (*Global Positioning System*) to measure the field area (in acres). It is important that you walk the EXACT boundary of the field area to get a good measurement.

Before you choose this option, switch on **location** services on the phone, by selecting the symbol.



On most phones, swiping down from the top of the main screen reveals a menu that gives you the option to switch on/off location.



After selecting option **1**, read the instructions on the screen:

How to measure with the phone?

1) If the farmer also wants advice on the appropriate plant density and/or kg of seed needed, **only the area where maize will be planted should be measured.** This should be done by walking the exact boundary of the planned maize area with the phone in hand.

2) After selecting GeoTrace on the next page, **MOVE YOUR FINGER ON THE SCREEN AS YOU WALK**, to prevent the screen dims or goes to sleep (as this affects measurement)

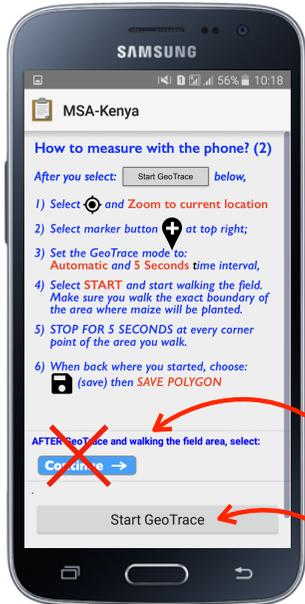
Continue →

(2)

On the second instruction screen, also first read the instructions carefully!

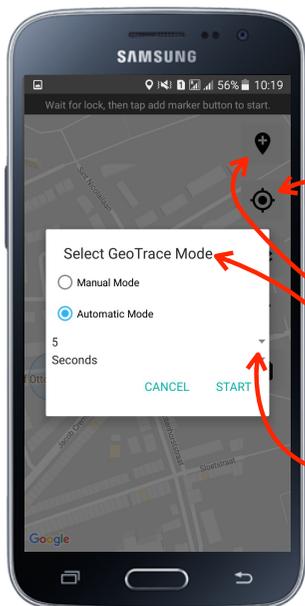
Then go to the boundary of the field area you want to measure.

*This field area can be the whole field, but if you also want to advise on how much maize seed is needed, you should **only walk the EXACT boundary** of the area where maize will be planted.*

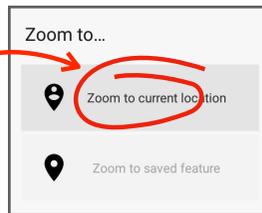


Only use this button **AFTER** you have walked the field area. (see below)

When you are at the boundary, select:  to start measuring.



Now select:  ...and wait for a blue circle to appear on a map.



Select:  if this circle does not appear.

Then select:  to start measuring.

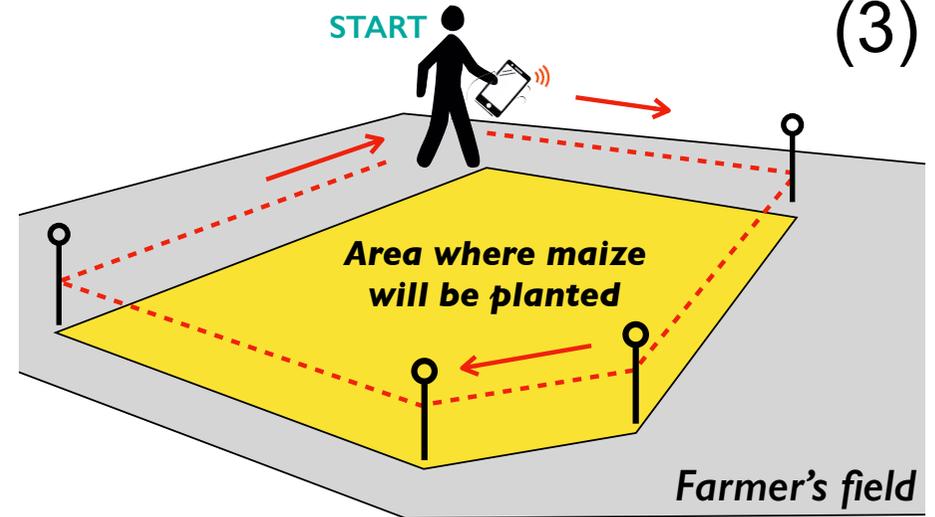
Then set the **GeoTrace Mode** to: **Automatic Mode, 5 Seconds**

You set the seconds by selecting the top triangle, and then the 5 in the list.

After that, you press **START** and start walking the field area, while you keep one finger on the screen.

START

(3)



Make sure you walk the exact boundary of the field area where maize will be planted. Wait for 5 seconds at every corner point. (This is to improve measurement)



As you walk the field area boundary, red location symbols will be appearing on the screen every 5 seconds (you may see only one or a few appear if the zoom factor is low; this is no problem).

When you are back at the point you started, select:  to save,

Then, select: **Save as Polygon**

