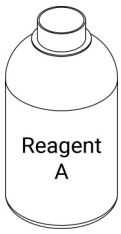
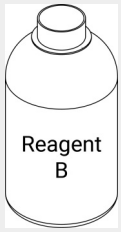
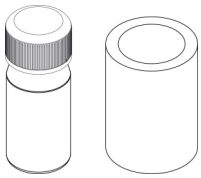
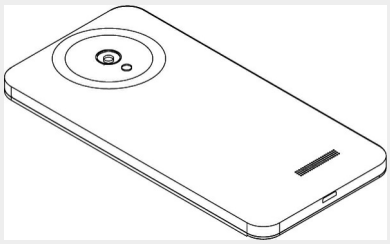
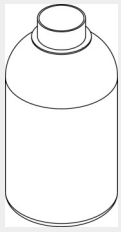
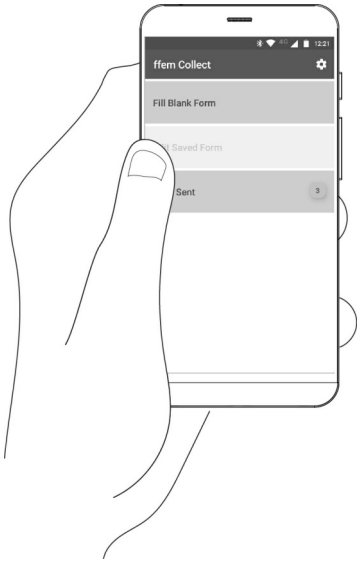
Things You Will Need

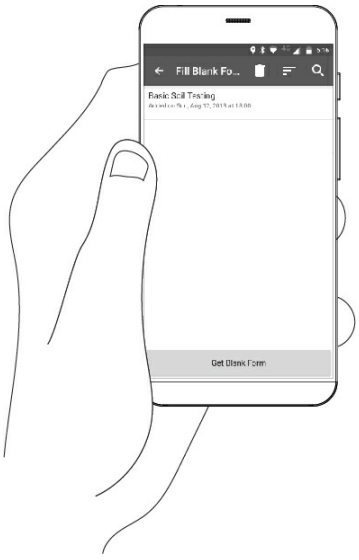
1	One Bottle of Boron reagent A	
2	One bottle of Boron reagent B	
3	A Cuvette and pipe	
4	A smartphone with the ffem apps installed, and an alignment sticker	
5	A 10ml measuring tube	
6	A sample of **soil extract** to test	

Note: Before testing, you must have a solution of **soil extract**. refer to the soil extraction manual for instructions on how to prepare it.

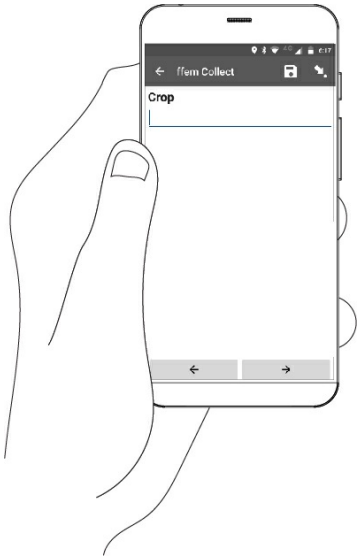
Steps

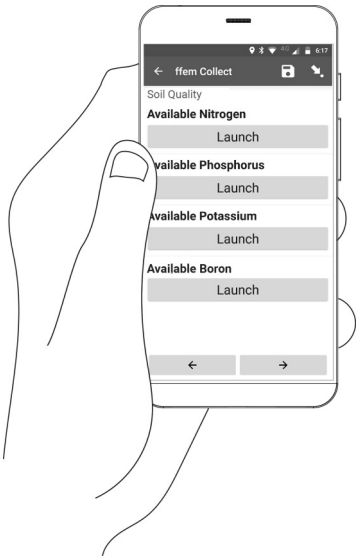
1. Open the ffem Collect app, and select "Fill Blank Form". Select the form you need to fill out.



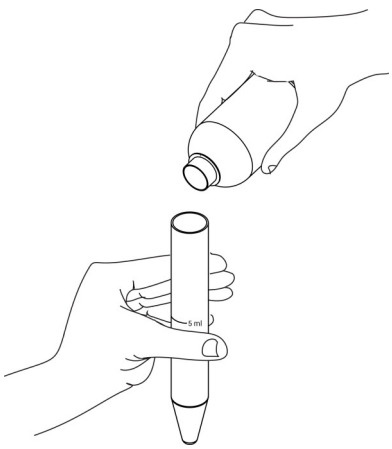


2. Answer all the questions in the form, swiping left to go to the next questions. When you reach the soil quality questions, launch the test for Available Boron

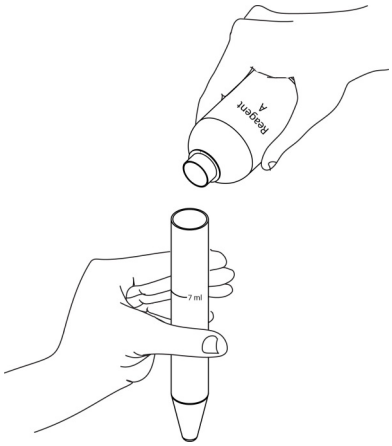


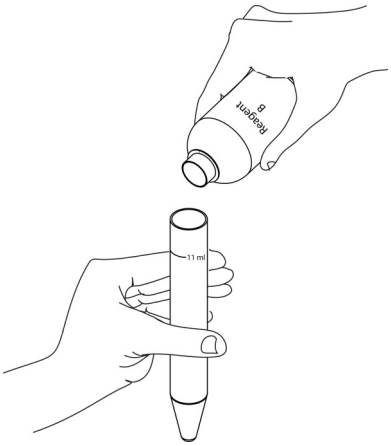


3. Rinse the empty cuvette and measuring tube twice with the sample to remove any traces of previous solutions. Take 5ml of of the extracted soil sample, and add it to the measuring tube.

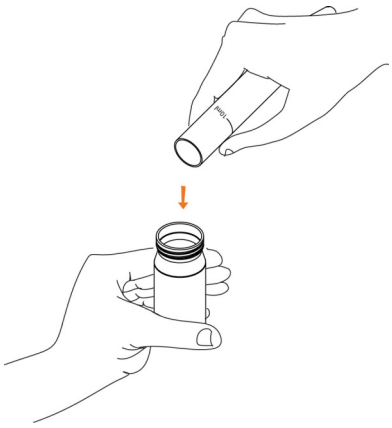


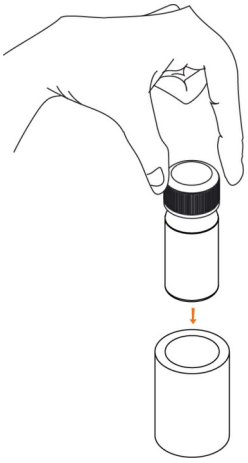
4. Add 2 ml of Reagent A and 4 ml of Reagent B to the measuring tube. Close the lid and shake the tube to help the reaction.



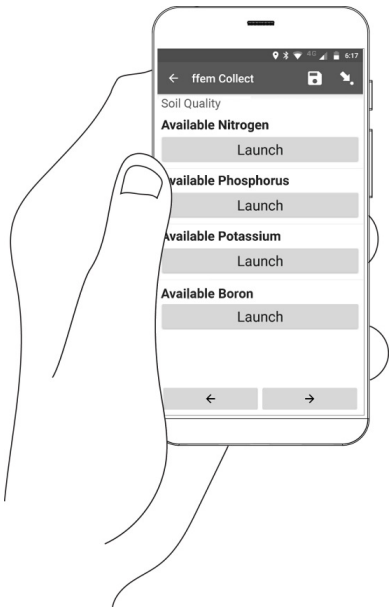


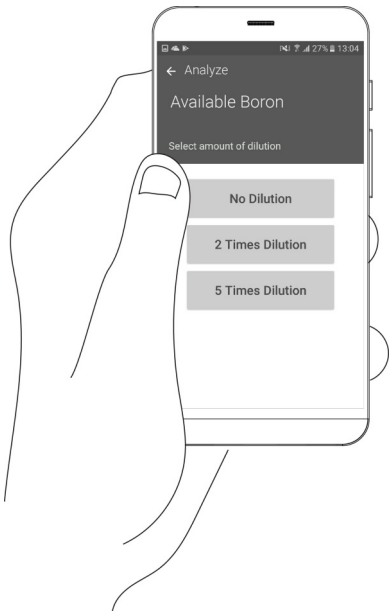
5. Pour the solution from the mixing tube into the provided cuvette. Close the lid and fit the cuvette into the pipe.



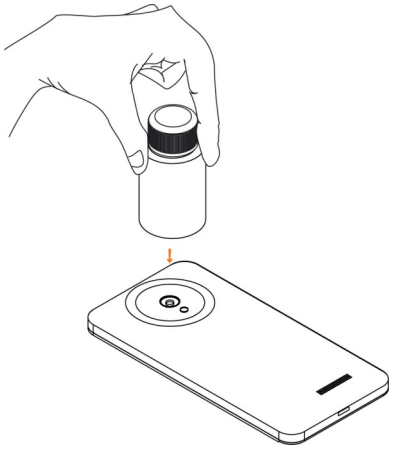


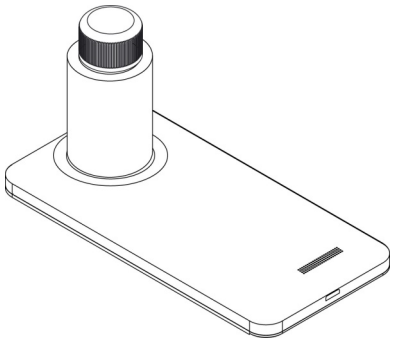
6. Launch the test on the app selecting "No Dilution" on the next screen.



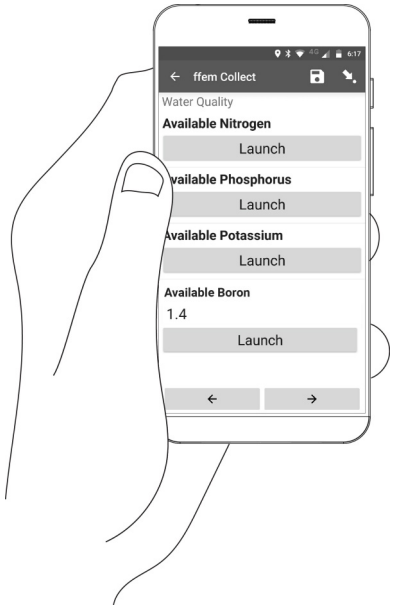


7. Place the phone face down, and use the sticker to help center the cuvette over the camera. Wait for about 10 minutes for the test to complete - you will hear 6 beeps and a "Test Completion" sound.





8. You should receive a contaminant concentration value in %. Tap Accept Result to return to the survey.



9. Empty the contents of the cuvette and rinse it once. Complete the rest of the survey, and submit it once you have filled in all the forms.