
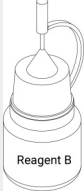
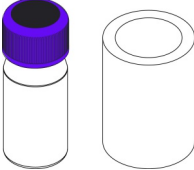
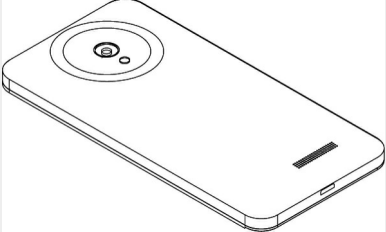

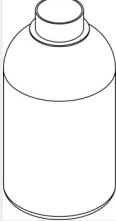


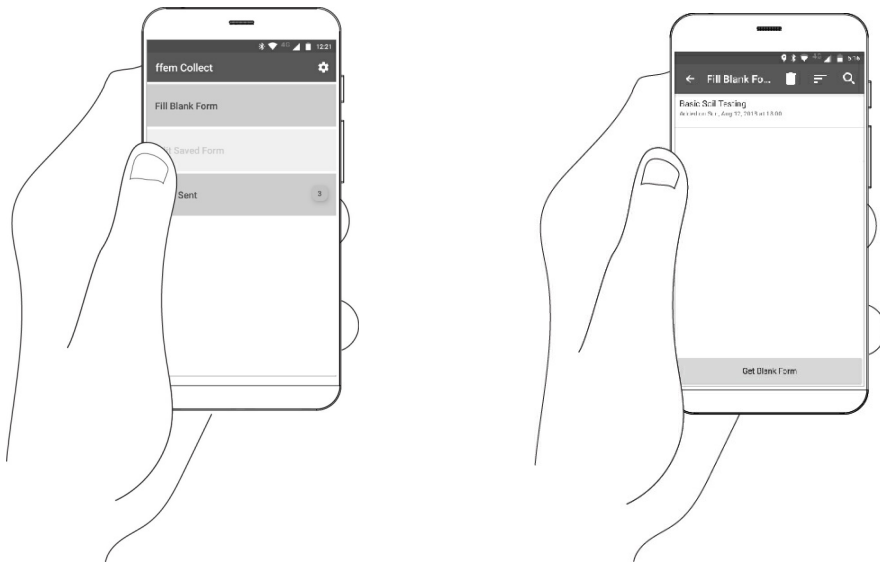
Things You Will Need

1	One Dropper of Potassium reagent A	
2	One Dropper of Potassium reagent B	
3	A blue capped Cuvette and pipe	
4	A smartphone with the ffem apps installed, and an alignment sticker	
5	A 10ml measuring tube	
6	A sample of <b>soil extract</b> to test	

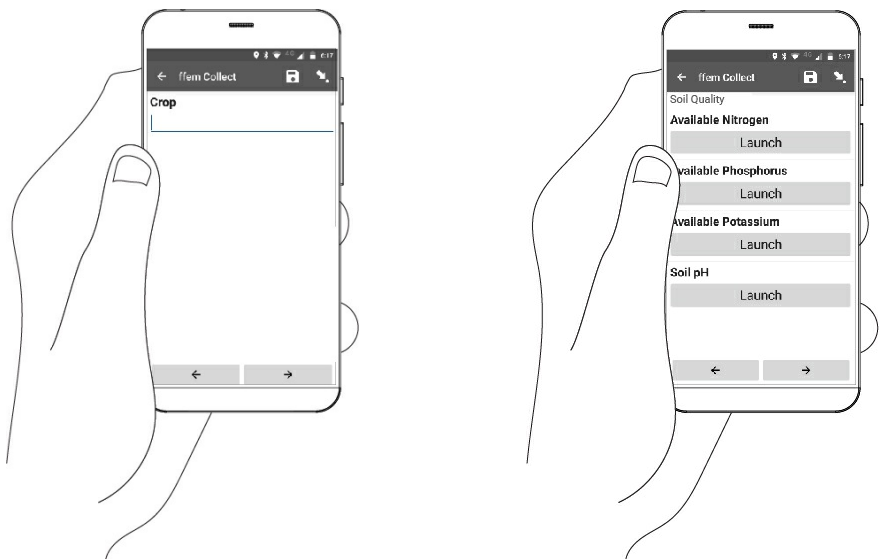
Note: Before testing, you must have a solution of **soil extract**. refer to the soil extraction manual for instructions on how to prepare it.

## Steps

1. Open the fferm 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 Potassium

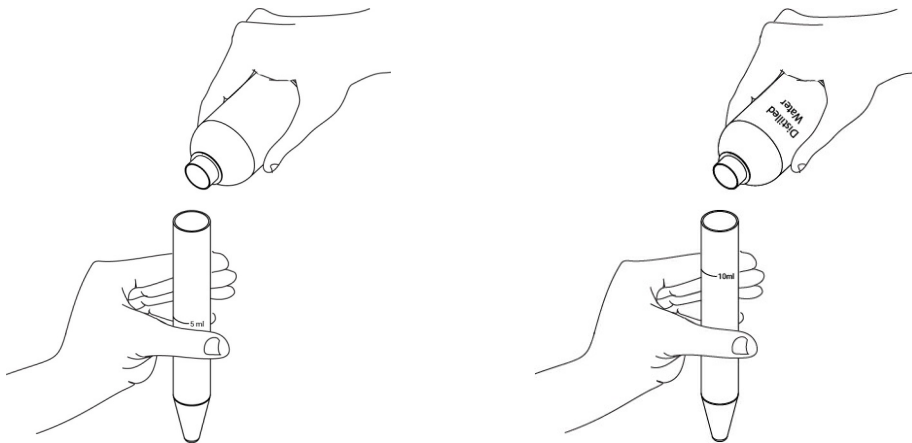


3. Rinse the empty cuvette and measuring tube twice with the sample to remove any traces of previous solutions.

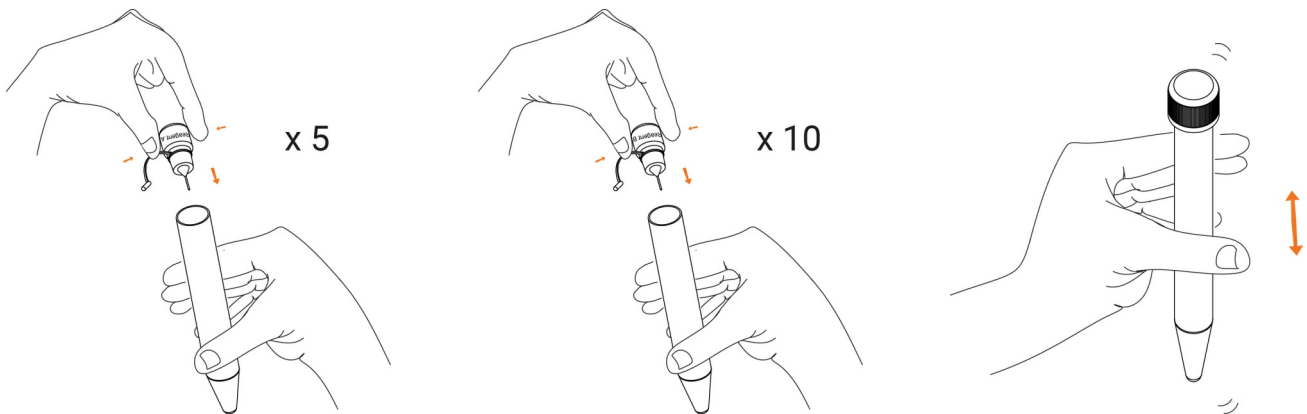


## Soil-Potassium

4. Measure 5 ml of the sample with the measuring tube. Add 5ml of distilled water to bring the total volume upto 10ml



5. Add 5 drops Potassium Reagent A. Add 10 drops Potassium Reagent B. Close the lid of the measuring tube and shake it to ensure proper mixing of the reagent and sample.

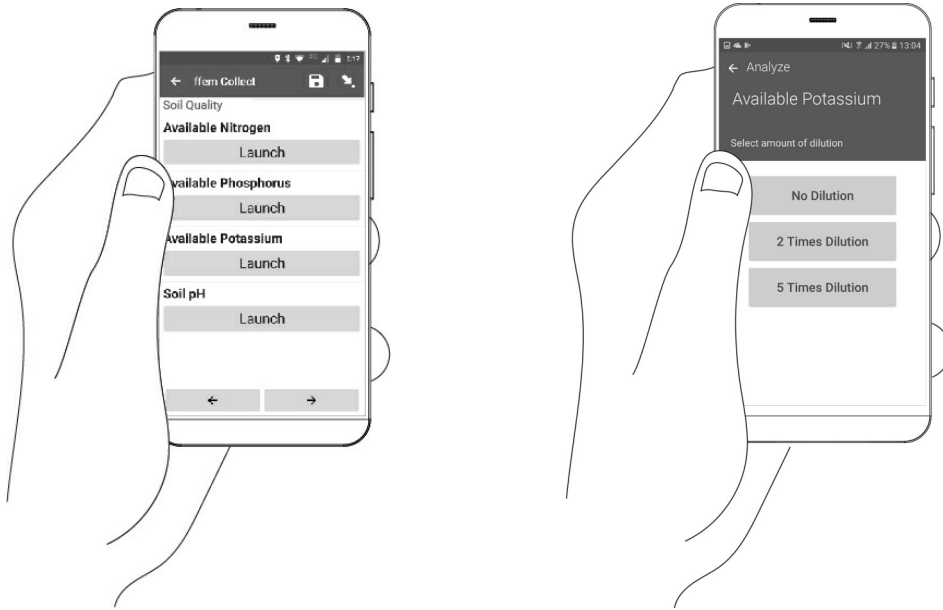


6. Pour the contents of the mixing tube into the provided cuvette. A separate blue colored cap has been provided for the potassium test. Fit it onto the cuvette and fit the cuvette into the pipe.

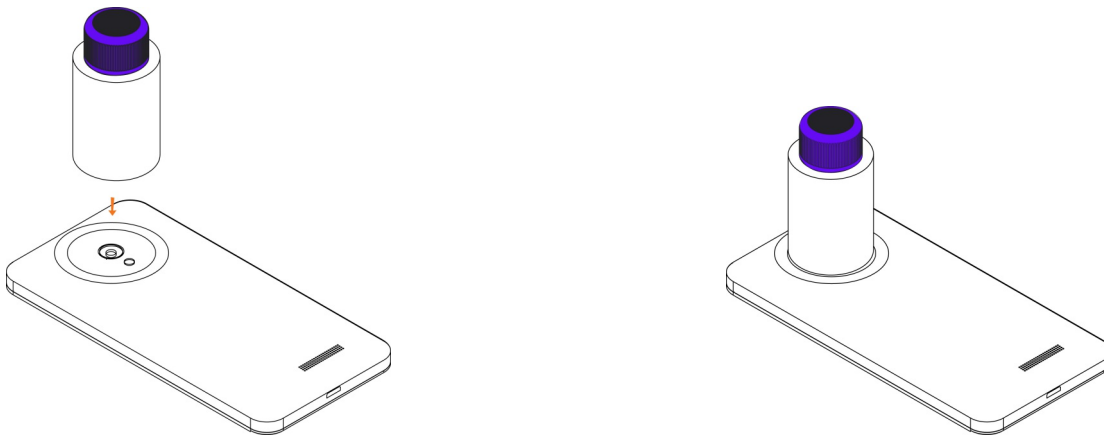


## Soil-Potassium

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



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



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



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

