

3. Install Java Runtime Environment (JRE).

- Visit:<https://www.java.com/en/download/manual.jsp>. Click the download link of the JRE specific for your PC. For 32-bit Windows PC users, click Windows offline; For 64-bit Windows PC users, click Windows offline (64-bit).

4. Download the Nutrient Expert ® Web app.

5. Visit:<https://bar.gov.ph/index.php/nutrient-expert-page>. Read the Software License Agreement and go to the Nutrient Expert Tools table. Click the Download link in the column For PC (Windows/Mac). Once download is completed, double click on the file (NEMPH_Web App*.jar) to open the Java DSS window. Click Start Nutrient Expert button on the Nutrient Expert window to launch the app.

Installation for Android

1. Visit:<https://bar.gov.ph/index.php/nutrient-expert-page>. Read the Software License Agreement and go to the Nutrient Expert Tools table.

2. Click the Download link in the column For Android.

3. Make sure that unknown sources are allowed on your device settings. To do this, go to Settings> Personal>Security, turn ON unknown sources settings.

4. Click the downloaded file NEMPH_Web App*.apk) to install.

5. To launch the app, simply click the Nutrient Expert icon on the apps menu.

STEPS IN USING AND NAVIGATING THE NEMPH

1. Open the NEMPH Web App icon to start.
2. At the [Home] section, go to [Settings].
 - Go to [Site Profile], [Inorganic fertilizers], and [Organic Fertilizers].
 - Click on Close to return to [Home]. The entered/selected data will be saved and ready for use as needed in all the five modules. You are now ready to go through the different modules.
3. At the [Home] page, click on any of the five buttons representing the five modules. At the selected module (e.g. Current NM Practice), answer each of the questions consecutively in the order that they appear on the screen.
4. Move to the next module by clicking Next> on located at the bottom right of the page. Alternatively, move to any other module by clicking on the module tab (e.g. [SSNM Rates]).
5. You can go back to a previous module any time by either clicking on <Back or the module tab.
6. To print a report or output (printer or PDF) for a module, click on Report located at the bottom left of the page.
7. The button Reset will clear all data entries/answers on the current module. All entered data for a module are automatically saved as soon as you move back to [Home] or go to another module.

Reference:

International Plant Nutrition Institute (IPNI)





ABOUT NUTRIENT EXPERT® for MAIZE
Philippines

is a software use as a decision support tool for PC and android platforms enabling local experts to quickly formulate fertilizer guidelines for hybrid, open-pollinated, and traditional varieties of maize in the Philippines.

This will help a farmer increase his yield and profit by suggesting a meaningful yield goal for his location and by providing a fertilizer management strategy required to attain the yield goal. This tool only requires information that can be easily provided by a farmer or local expert.

THE SYSTEM REQUIREMENTS & INSTALLATION

For Windows PC

- 1.Windows XP to Windows 10 (8u5l and above)
- 2.RAM: 128 MB
- 3.Disk space: 124 MB for Java Runtime Environment (JRE); 2 MB for Java Update

4. Processor: Minimum Pentium 2 266 MHz processor

5. Browser: Chrome

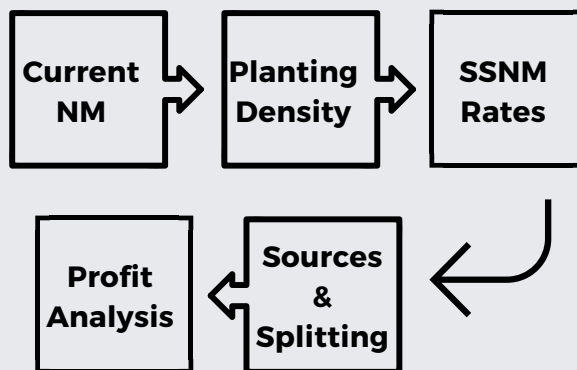
For Android

1. Android 4.4 Kitkat to Android 7 Nougat
2. Screen size: 7-8 inches
3. Landscape orientation
4. GPS and internet connection for geo-location (optional)
5. Sim card for geo-location and sending of SMS (optional)

Installation for Windows PC

1. Check if your PC has Java Runtime Environment (JRE).
 - Go to Control Panel>Programs>Programs and Features. If you see Java 8 Update on the list of programs, proceed to Step 4, otherwise, proceed to the Step 2.
2. Determine your Windows Operating System: 32-bit or 64-bit.
 - Click on Windows Start button. Type dxdiag on the Search box and press Enter.
 - The DirectX Diagnostic Tool window will appear.

THE MODULES



Concept and Guidelines

- Utilize indigenous nutrient sources available on-farm
- Apply adequate amounts of fertilizer N, P, K, and other nutrients to minimize nutrient-related constraints and achieve high yield
- Achieve high profitability in the short and medium term
- Avoid the luxury uptake of nutrients by the crop
- Minimize depletion of soil fertility