



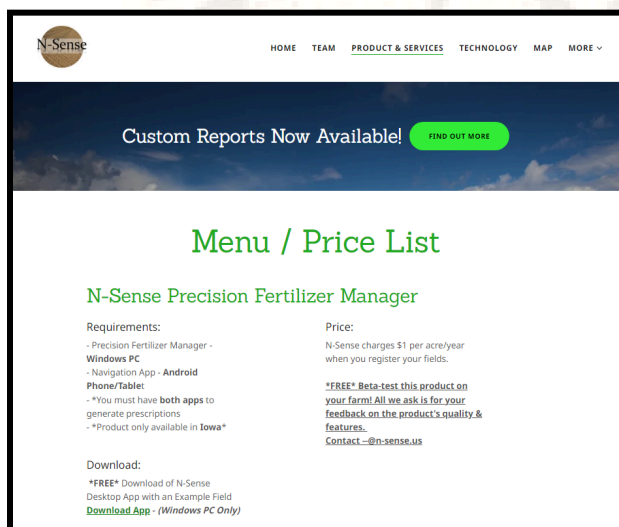
N-Sense

N-Sense Desktop App: *Windows Instructions*

Introduction:

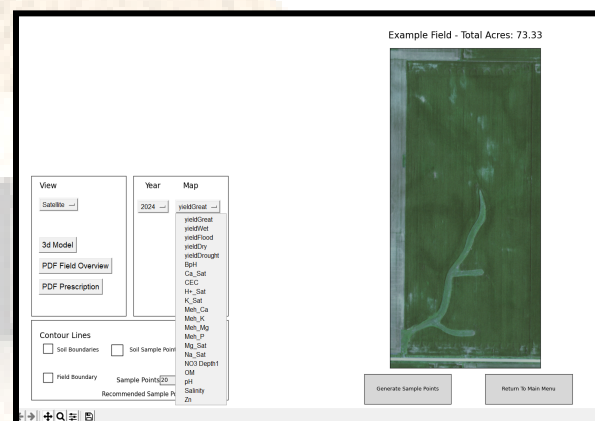
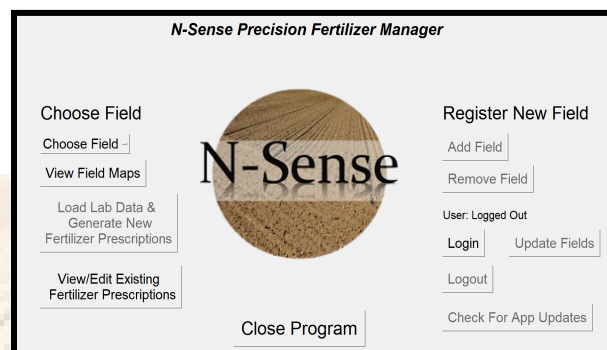
The N-Sense Desktop App is free and comes with guest access to many maps for several example fields.

From the N-Sense desktop app you can create an account with N-Sense and register one or more of your fields. By registering a field, you will gain access to numerous data layers (maps of elevation, slope, aspect, soil survey, satellite photos, and corn yield predictions for various weather scenarios) for your field, and be able to generate many other maps and precision fertilizer prescriptions by submitting the results of soil tests through the desktop app. To the right are images of opening pages of the N-Sense Desktop App.



System Requirements:

- Windows 10+
- 2GB storage location
- Internet connection



Start this download from the
N-Sense Products & Services page.

Product & Services

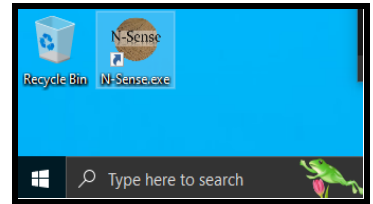
<https://n-sense.us/product-%26-services>

Size:	1.65 GB (1,776,279,511 bytes)
Size on disk:	1.77 GB (1,903,898,624 bytes)
Contains:	80,767 Files, 11,006 Folders



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Run the App: The N-Sense Desktop App will be downloaded as a Zip file onto your computer. When you unzip the file, you will see a file called “N-Sense.exe”. Click on N-Sense.exe and follow the instructions to install the program on your computer. Because the App is not yet registered with Windows, you will get a warning that the program comes from an unknown source, and asking if you wish to install it anyway. The installer will put an N-Sense icon (shortcut) on your desktop. Double click on the N-Sense icon to start the N-Sense Desktop App. Sometimes Windows blocks the creation of a shortcut.

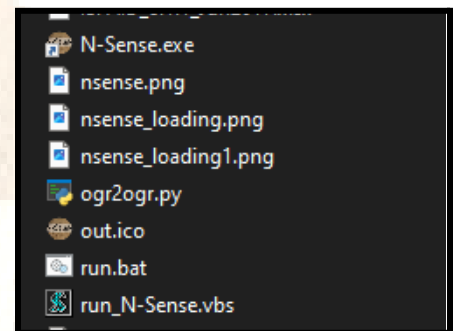


Missing N-Sense shortcut on your Desktop?

Navigate to the location selected to install N-Sense.

There are 3 files designated to launch the N-Sense app:

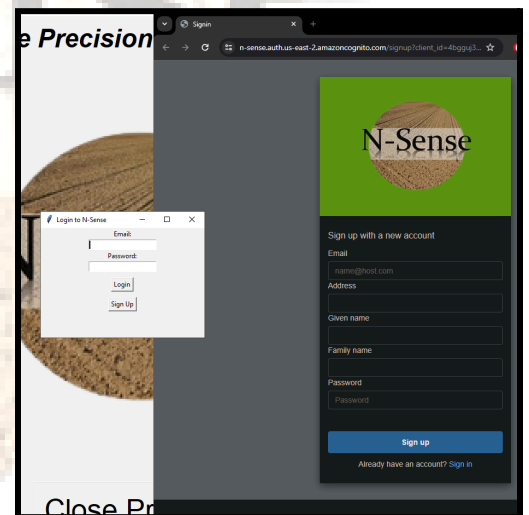
1. N-Sense.exe
2. run_N-Sense.vbs
3. run.bat



Login or Create Account:

When you first open the N-Sense App, you will be a “guest” with access only to data for example fields. To create your own account, select Login, then Follow the directions to register and create your own account. When the account is created you will receive an email with a validation code that you will need to enter to complete the account registration.

N-Sense Sign Up: <https://shorturl.at/uAHL7>



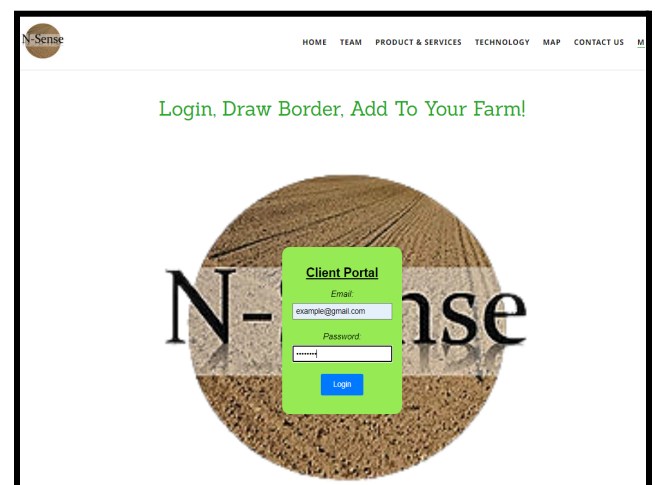
Add & Register New Fields:

After you have created an account and logged in, you will have access to more functions. Select “**Add Field**” in the top right to be directed to the N-Sense Client Portal website where you can add a new field to your account.

<https://n-sense.us/client-portal>

Register New Field

Add Field

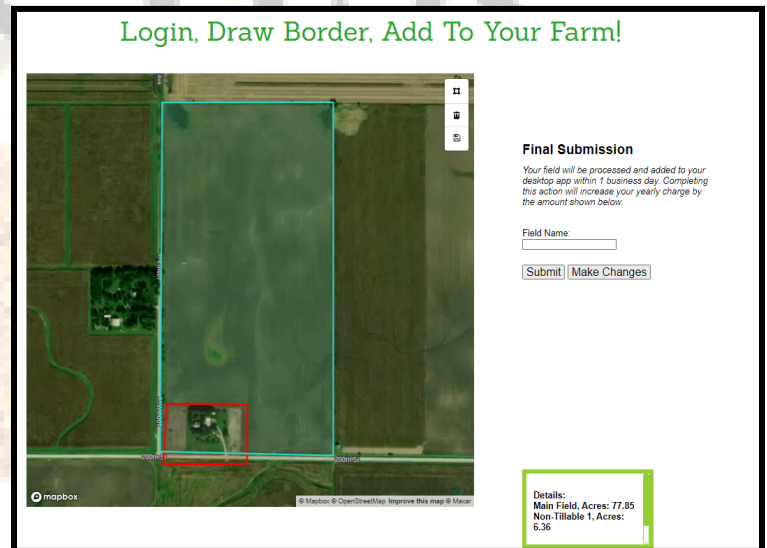
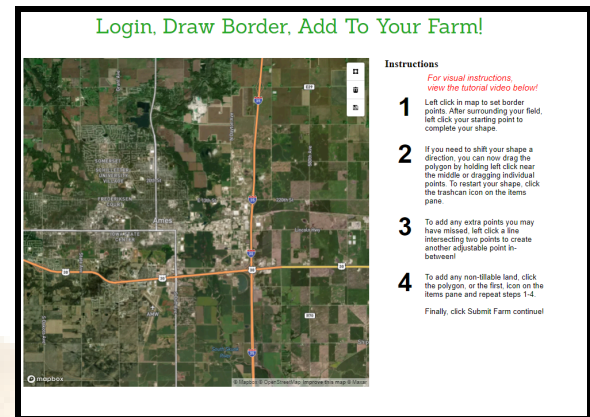




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Submit field for registration:

- Following the tutorial video & on-screen instructions, navigate to your field and outline the field boundary. Make sure the field boundaries are accurate as this is key to generating accurate maps of your field & eliminating unnecessary data. After the field boundaries are drawn, you will need to outline any non-tillable areas within the field, such as farmsteads, roads, waterways, etc. If you make a mistake, you can always use the edit features to move boundary points or add new boundary points to your field outline.
- Upon hitting "Submit", you will see your field boundary highlighted in blue, and any non-tillable areas highlighted red. Fill in a field name & select submit. Red "non-tillable" areas will not be included in the generation of your field data.



You will receive email confirmation within 24 hours of the status of your field registration.

- Next, follow the steps above to re-open the N-Sense App, or press the "Update Fields" button on the Main Menu to download your new field.



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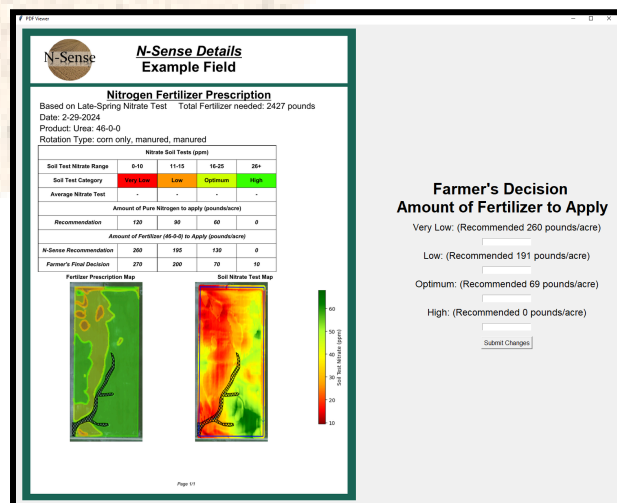
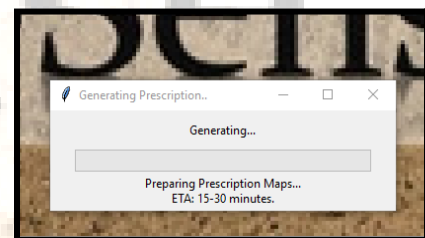
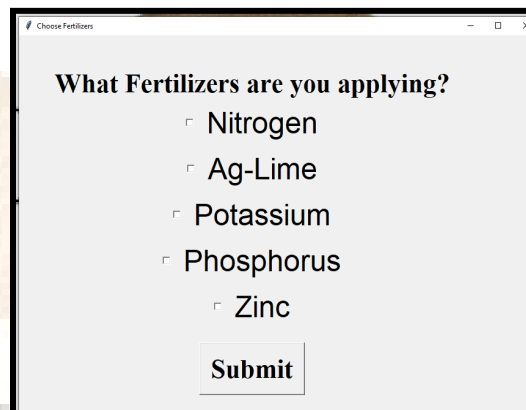
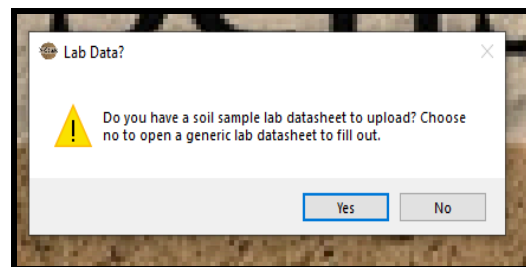
Generating Field Prescriptions:

-The N-sense App will generate maps of any soil property that you can measure (such as plant available N, P, K, Zn, S, buffer pH, organic matter, CEC, pH, bulk density, penetration resistance, etc.). However, you must use the N-Sense Navigation App (Available for FREE on the N-Sense Products & Services page) when collecting soil samples or measuring soil property data in the field. This is necessary so that the gps coordinates of each sample can be recorded as the samples are being collected.

Soil samples should be submitted to a soil test lab for analysis. When the results come back from the soil testing lab, the results need to be uploaded to the Web using the N-Sense App to generate new Maps and Fertilizer Prescriptions.

Warning: It is critical that you not change the number of sampling locations for a field after samples have been collected or the program will use the wrong gps coordinates to interpret your samples.

-The N-Sense software recognizes soil test results coming from several, but not all, soil testing labs in Iowa. We provide a generic excel spreadsheet that can be used for your soil test results, if the program does not recognize the Results file from your soil testing lab. To fill out the generic excel spreadsheet it is important that the sample numbers be in the proper order and that all samples are include (leave a blank space for missing data). Otherwise, the program will use the wrong gps coordinates to analyze your data.





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To upload soil test results to the Web select the correct field & press the “Load Lab Data” button on the N-Sense App home page. Maps will be generated for all data types that you submit. Precision Fertilizer Prescriptions will be generated only for Nitrate and Mehlich 3 extractable K, P, & Zn and buffer pH (Ag-lime).

When you click on the “Load Lab Data” button you will first be asked to navigate to the location on your computer where the soil test Results are stored and upload the results file.

You will be asked if you want to generate extra maps (such as organic matter, CEC, pH etc), and then which fertilizer prescriptions you want to generate. You will need to select the type of fertilizer and provide some additional information (such as crop rotation, and manure applications) before the program will start generating your maps and fertilizer prescriptions.

-Select “Submit” to start the prescription map generation.

This process requires internet connection & will take

Anywhere from 15 to ~30 minutes to generate your maps and prescriptions.

-On completion, a PDF of your field’s nutrient maps and Precision Fertilizer Prescriptions will be generated. A window will appear with pages of the PDF for you to review. We provide recommended fertilizer application rates base on Iowa State University Extension’s official recommendations. You can change the amount of fertilizer to be applied to each management zone by entering a new number in the area marked “Farmer’s Final Decision”.

Continue reviewing each page of the pdf then press “submit” to save any changes.

In the last step you will be asked where you want to save the Zip files with your Precision Fertilizer Prescriptions. This zip file can be copied to a thumb drive and then directly uploaded to your fertilizer spreader.



View/Edit Field Prescriptions:

After Precision Fertilizer Prescriptions have been generated you can edit or change them at any time before you go to the field.

Select the field and then click on the “View/Edit Existing Fertilizer Prescriptions” button on the N-Sense App home page. A window will open with the pdf of your prescriptions, and then you will need to go through each page making changes to fertilizer application rates for each zone as needed.

- Select zip file location to save a zip file of modified zone amounts
- Upload zip files to fertilizer spreader!

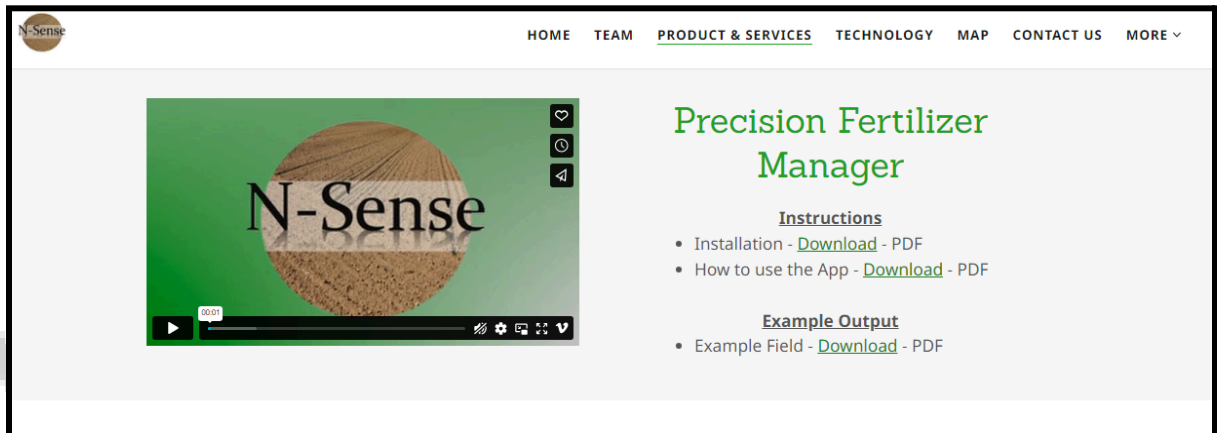
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FAQ:

How do I install N-Sense Apps?

N-Sense has a separate PDF detailing how to use the app under the Installation PDF on the Product & Services page.



How to use N-Sense Navigation App?

N-Sense has a separate PDF detailing how to use the N-Sense Navigation App & how to begin collecting soil samples using our optimized locations. Refer to image above for location of PDF instructions



Support Contact & Information: support@n-sense.us

Send N-Sense Feedback!: <https://n-sense.us/contact-us>

Privacy Policy: <https://n-sense.us/privacy-policy>

Thank you for using N-Sense!