







# Crop Nutrition APPs







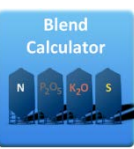


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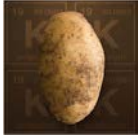





## Introduction






The number of mobile applications (e.g. Apps) developed and offered to support nutrient management continues to grow. Many of these Apps can provide important information at the farm level. The following list of Apps represents many used by farmers or their agronomic consultants to help with nutrient management including planning, scouting, evaluating stress and executing field applications. This list is not comprehensive but provides common and mostly free Apps.







## Nutrient Information and Calculators

Name	Icon	Operating System	Description	Cost	Account Needed?
<b>Fertilizer Removal by Crop</b> <i>Ag PhD</i>		Android / iOS	A guide to discovering the vital nutrient amounts critical to attaining optimum yield for the selected crop. Save result and use for later reference.	Free	No
<b>Ag PhD Deficiencies</b> <i>Ag PhD</i>		Android / iOS	A guide to identifying fertility issues in the field. Content includes a complete list of photos and descriptions of the nutrient deficiencies in a variety of crops	Free	No
<b>HumaGro</b> <i>Bio Huma Netics Inc.</i>		Android	Calculate nutrition products and application rates based on lab analysis and info sheets. View fact sheets to allow for easy calculations, and save calculations for later and access product technical documents.	Free	No
<b>Fertilizer Blend Calculator</b> <i>Wilde Brothers Farms Ltd.</i>		iOS	A calculator to determine the proper fertilizer blend weights and costs as well as various weights and volumes of net elements in the blend.	\$4.99	Yes
<b>Yara CheckIT</b> <i>Yara International ASA</i>		iOS	Quickly identify possible nutrient deficiencies. CheckIT has been designed to operate in rural locations with low signal strength.	Free	Yes
<b>Crop Nutrient Removal Calculator</b> <i>International Plant Nutrition Institute</i>		iOS	Estimate crop nutrient removal for a variety of crops.	Free	No





<p><b>Farm Calculators</b> <i>Dr. Vishwanath Koti</i></p>		<p>Android</p>	<p>Calculate fertilizers (NPK), pesticides, fungicides, herbicides, plant population, seed rate, and seed blending to ensure optimal yields.</p>	<p>Free</p>	<p>No</p>
<p><b>NPK Credits - Manure &amp; Legume Nutrient Credit Calculator</b> <i>University of Wisconsin Nutrient and Pest Management Program</i></p>		<p>Android / iOS</p>	<p>Calculate the plant-available nitrogen (N), phosphorus (P<sub>2</sub>O<sub>5</sub>), potassium (K<sub>2</sub>O), and sulfur (S) nutrient credits of manure from various livestock species that are applied to cropland fields. One can also calculate the N credit available to crops that follow forage legumes in the rotation.</p>	<p>Free</p>	<p>No</p>
<p><b>Corn N Rate Calculator</b> <i>University of Wisconsin Nutrient and Pest Management Program</i></p>		<p>Android / iOS</p>	<p>Assists producers in selecting a nitrogen (N) rate that improves profitability when nitrogen and corn prices fluctuate.</p>	<p>Free</p>	<p>No</p>
<p><b>N Price Calculator</b> <i>University of Wisconsin Nutrient and Pest Management Program</i></p>		<p>Android / iOS</p>	<p>Converts the price of individual Nitrogen fertilizer sources from price per ton to price per pound of N.</p>	<p>Free</p>	<p>No</p>
<p><b>Fertilizer Calculator n2f</b> <i>ICAR CCARI</i></p>		<p>Android</p>	<p>Calculate nutrient-to-fertilizer values completely offline.</p>	<p>Free</p>	<p>No</p>
<p><b>Fertilizer Mixing Calculators</b> <i>FKmicro.com</i></p>		<p>Android</p>	<p>Access fertilizer facts instantly on Android Reduce cost with our mobile app can get knowledge like a fertilizer manufacturer on your hand phone, easy to use, make sense, everyone can use.</p>	<p>Free</p>	<p>No</p>
<p><b>Blend Calculator</b> <i>Travis Redpath</i></p>		<p>Android</p>	<p>Calculates the fertilizer blend and the total application rate needed to apply the required amount of nitrogen, phosphate, potash, and sulphate. The products can be changed to whatever ratios you want to use.</p>	<p>Free</p>	<p>No</p>
<p><b>GreenSeeker Data Logger</b> <i>Oklahoma State University</i></p>		<p>Android</p>	<p>Supports data collecting of NDVI data with a Trimble GreenSeeker handheld crop sensor. <b>* Requires GreenSeeker handheld sensor for data collection.</b></p>	<p>Free</p>	<p>No</p>
<p><b>SoluDrip (Just in Time Crop Nutrition)</b> <i>Vital Fertilizers</i></p>		<p>Android / iOS</p>	<p>Find the exact amount of nutrition for the crop at whichever stage of its life it's at.</p>	<p>Free</p>	<p>No</p>

			<b>*Primarily used for vegetable production</b>		
<b>MRTN/Nitrogen Application Calculator</b> <i>University of Illinois</i>		iOS	The Maximum Return To Nitrogen (MRTN) calculations combine the agronomics of nitrogen rate research and the realities of economic fluctuations to provide a customized nitrogen rate.	Free	No
<b>Fertilizer Cost Calculator</b> <i>Jeffrey Abbott</i>		Android / iOS	Estimates the value of Nitrogen per unit of Phosphorus source, along with the cost per unit of P205 with or without the Nitrogen value. All calculations based on entered cost per bulk.	Free	No
<b>Potato Potassium Calculator</b> <i>Great Salt Lake Minerals</i>		Android	Potato Uptake Calculator can be to estimate how much potassium your potatoes remove from the ground and how much you need to apply to replenish the loss.	Free	No
<b>Alfalfa Potassium Calculator</b> <i>Great Salt Lake Minerals</i>		Android	Use the Alfalfa Uptake Calculator to estimate how much potassium your alfalfa crops remove from the ground and how much you need to apply to replenish the loss.	Free	No
<b>Illinois Manure Calculator (Beta)</b> <i>Move Creative</i>		Android / iOS	Developed for the Illinois-specific manure plan rules, enabling a livestock producer to quickly balance manure applications with field crop nutrient needs. It automates the planning worksheet that Illinois livestock producers learn in the Certified Livestock Manager Training workshops.	Free	No
<b>Spread Charts</b> <i>BOGBALLE A/S</i>		Android / iOS	The BOGBALLE Spread Charts app will give you quick access to our online database with thousands of available spread charts for your BOGBALLE fertilizer spreader.	Free	No
<b>Organic Calc</b> <i>minskayssoft</i>		iOS	Check and adjust the application rate, while working with a manure spreader or slurry tank. With the built-in GPS receiver of the iPhone, one can measure the distance and the resulting surface, just by pressing a button while driving. Measurement disruptions are also possible.	\$8.99	No
<b>Nitrogen Index</b> <i>USDA-ARS</i>		Android	The Nitrogen Index App can be used to quickly make assessments of the effects of management decisions on nitrogen use efficiencies.	Free	No


<p><b>Echelon</b> <i>Agrian Inc.</i></p>		<p>iOS</p>	<p>Mobile companion to the web application that provides crop advisors, consultants and growers with a suite of precision agronomy and compliance tools.</p>	<p>Free</p>	<p>Yes</p>
<p><b>TigerSul</b> <i>Tiger-Sul Products LLC</i></p>		<p>Android / iOS</p>	<p>The Tiger-Sul Nutrient Calculator is an agronomic planning tool for farmers to plan fertilizer applications and meet soil nutrient needs. Users select a crop and the desired yield for that crop; and are given the amount of crop nutrients that will be needed. The nutrient calculator covers all key crops including corn, canola and soybeans.</p>	<p>Free</p>	<p>No</p>
<p><b>AgriSpread</b> <i>Armour Interactive</i></p>		<p>Android / iOS</p>	<p>The rate table feature allows the user to search application rate charts for the appropriate machine settings based on spread width, required rate and fertilizer type. A second feature, the fertilizer application rate calculator is also included, enabling the farmer to carry out a physical testing procedure to check the actual rate.</p>	<p>Free</p>	<p>No</p>
<p><b>CAT</b> <i>BASF plc</i></p>		<p>iOS</p>	<p>The BASF CAT is a tool designed to help Farmers and Crop Advisors protect the yield of winter cereals by assessing crop nitrogen content and crop lodging risk.</p>	<p>Free</p>	<p>No</p>
<p><b>ATP R3 App</b> <i>Sherpa Digital</i></p>		<p>Android / iOS</p>	<p>This app incorporates the latest in plant nutrition research to identify important nutrients across all stages of crop growth, understand the role nutrients play, identify products to increase crop health and yield, understand required rates and tank mix compatibilities, view photos of deficiency symptoms, and view nutrient uptake and removal levels.</p>	<p>Free</p>	<p>No</p>
<p><b>FertiMatch</b> <i>Haifa Group</i></p>		<p>Android / iOS</p>	<p>Determine the right amount of fertilizers needed to get a desired nutritional composition. The grower inserts details about their Fertigation control head, defines a reference element and concentration and selects fertilizers. The output simply tells what quantity of fertilizer is needed, and what will be the concentration of nutrients in the irrigation water.</p>	<p>Free</p>	<p>No</p>




<p><b>Teagasc</b> <i>Teagasc</i></p>		<p>Android / iOS</p>	<p>Provides access to selected Teagasc information and in-App calculators. It is an interactive tool that farmers can use to track fertilizer usage against their fertilizer plan. Track yearly allowances, purchases, and opening stock to keep a record of nutrient purchases.</p>	<p>Free</p>	<p>No</p>
<p><b>Manure Valuator</b> <i>University of Arkansas</i></p>		<p>Android / iOS</p>	<p>Helps producers calculate the dollar and nutritive value of manure and allow them to share results via email. Users have access to a bulk cost calculator to determine cost per pound of nitrogen, phosphorus and potassium from inorganic fertilizers and a database consisting of nutritive value of 18 different sources of manure which allows user input for custom values for wet and dry manures.</p>	<p>Free</p>	<p>No</p>
<p><b>Cow Poop Analyzer</b> <i>Texas A&amp;M AgriLife Extension Service</i></p>		<p>Android / iOS</p>	<p>Cow Poop photographs are compared with stock photos to determine the approximate crude protein and digestibility of forage/food.</p>	<p>Free</p>	<p>No</p>
<p><b>Ammonia Loss</b> <i>Oklahoma State University</i></p>		<p>iOS</p>	<p>Accurate estimates of ammonia volatilization losses from surface applications of urea in agriculture. Estimates are in percent of the total N rate applied.</p>	<p>Free</p>	<p>No</p>
<p><b>GreenSeeker N Rate Calc</b> <i>Oklahoma State University</i></p>		<p>iOS</p>	<p>This application hosts sensor based nitrogen recommendation algorithms which have been developed by researchers in each respective region. The calculations are based upon NDVI values retrieved from the GreenSeeker Sensor. The GreenSeeker is an active light sensor. It would be expected the NDVI from other actives sensors would be similar, but potentially not exactly the same.</p>	<p>Free</p>	<p>No</p>
<p><b>Return on Nitrogen Investment</b> <i>Oklahoma State University</i></p>		<p>iOS</p>	<p>This app is designed as a tool in determining economic nitrogen (N) rates. This calculator determines the return on investment (ROI) of N fertilizer for multiple crops under two different scenarios. The first scenario is that yield fertilized for is not realized. The other scenario is if the producer under fertilizes for the environment.</p>	<p>Free</p>	<p>No</p>







<p><b>North Dakota Crop Nitrogen Calculator</b> North Dakota State University</p>		<p>Android / iOS</p>	<p>This application provides three NDSU crop nitrogen recommendation calculators for use in North Dakota corn, spring wheat, and corn, respectively. Nitrogen recommendation calculations are based on an economic production function that takes into account the yield response of the crop to added N, less the cost of the N. The recommendation is based not only on the yield increase from additional N, but the price of the commodity and the cost of N.</p>	<p>Free</p>	<p>No</p>
<p><b>Canola Starter</b> Oklahoma State University</p>		<p>Android / iOS</p>	<p>This app calculates the maximum amount of fertilizer that should be applied with winter canola seed at planting based upon row spacing and fertilizer source.</p>	<p>Free</p>	<p>No</p>
<p><b>NPK FieldGuide</b> Oklahoma State University</p>		<p>iOS</p>	<p>Oklahoma Nutrient Management Field Guide App is a mobile version of a printed handbook. Within this app users have access to nutrient removal values, a nutrient deficiency identification tool, fertilizer calculations for all of the major crops grown with Oklahoma and information on fertilizer sources and using the N-Rich Strip and GreenSeeker Sensor.</p>	<p>Free</p>	<p>No</p>
<p><b>Wheat SBNRC</b> Oklahoma State University</p>		<p>Android / iOS</p>	<p>Sensor based N rate calculator for winter wheat. Active normalized difference vegetative index (NDVI) sensors are highly accurate in predicting plant biomass. By utilizing biomass produced per day, yield levels of cereal crops can be predicted. By using the predicted yield level, accurate N rates can then be determined from the mid-season NDVI readings.</p>	<p>Free</p>	<p>No</p>

### Equipment Setup

Name	Icon	Operating System	Description	Cost	Account Needed?
<p><b>ApplyPlus</b> John Deere</p>		<p>Android / iOS</p>	<p>Provides the ability to optimize machine set-up and maintenance procedures. Currently for 4 Series JD sprayers.</p>	<p>Free</p>	<p>Yes</p>






<b>AgLogic Mobile</b> <i>John Deere</i>		Android / iOS	A complete logistics solution for custom application that syncs with the AgLogic web application. <b>*Requires license to activate account</b>	Free	Yes
<b>Rauch Fertilizer Chart</b> <i>RAUCH Landmaschinenfabrik GmbH</i>		Android / iOS	Provides spreading charts for current and older RAUCH fertilizer spreaders.	Free	Yes
<b>New Leader Mobile</b> <i>New Leader</i>		Android / iOS	Assists users and dealers in conducting a conveyor or catch calibration and determines calibrated CFR or Constant Number. Determines initial settings based off product characteristics.	Free	Yes

### Nozzle and Orifice Selection



Name	Icon	Operating System	Description	Cost	Account Needed?
<b>TeeJet SpraySelect</b> <i>TeeJet Technologies</i>		Android	Enter speed, spacing and target rate, select the drop size category; a list of tips that will work is generated.	Free	Yes
<b>Spray It</b> <i>Pentair Flow Technologies LLC</i>		Android / iOS	Select the chemical company and name of the chemical applying, a nozzle to use based on the application information on the label will be recommended. Growers can also input application rate, speed, and nozzle spacing and a nozzle size for that specific application will be recommended.	Free	No
<b>Kuhn-Nozzle Configurator</b> <i>KUHN</i>		Android	Select the correct sprayer nozzle for specific application requirements, such as working speed, flow rate, etc...	Free	No
<b>Spray Tips Guide</b> <i>Ag PhD</i>		Android / iOS	A guide to select the proper nozzle for the equipment being used. Select nozzle by chemical company or name of the chemical being applied and receive suggestions based on the label application information. Change the application rate, speed, and nozzle spacing for more precise suggestions	Free	No

### Record Keeping





Name	Icon	Operating System	Description	Cost	Account Needed?
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<p><b>OnMRK</b> KCFB &amp; KSWCD</p>		<p>Android / iOS</p>	<p>Enter the fertilizer type, rate, amount applied, total acres, soil conditions, application method, weather conditions when applied, using a tablet or smartphone. <b>*Desktop version is needed</b> *Must have a Certified Applicator ID to register</p>	<p>Free</p>	<p>Yes</p>
<p><b>Critical Records of Production (C.R.O.P.)</b> Utah State University</p>		<p>Android / iOS</p>	<p>Track important crop production records, such as crop history, yields, fertilizer applications, pesticide applications, and irrigation events.</p>	<p>Free</p>	<p>No</p>
<p><b>Pesticide and Field Records</b> Iowa State University</p>		<p>Android / iOS</p>	<p>Record and maintain pesticide applications, link to specific field locations using satellite mapping, and keep other important crop production information with the Pesticide and Field Records app.</p>	<p>Free</p>	<p>No</p>
<p><b>AgDNA</b> AgDNA</p>		<p>Android / iOS</p>	<p>Provides farm planning, record keeping, boundary mapping, worked area mapping, live equipment tracking, scouting observations, communication tools, data sharing and more. All data is synchronized with a free online AgDNA account allowing activity records and setup details to be viewed from a web browser or any other AgDNA enabled device.</p>	<p>Free</p>	<p>Yes</p>
<p><b>Farm At Hand</b> Farm At Hand Inc.</p>		<p>Android / iOS</p>	<p>Track and schedule all field activities with precision. Manage your fleet on the go and follow all equipment details, maintenance logs and part numbers.</p>	<p>Free</p>	




## Soil Sampling

Name	Icon	Operating System	Description	Cost	Account Needed?
<p><b>AgWorld Sampling</b> AgWorld</p>		<p>iOS</p>	<p>Agworld soil collectors can easily view, complete and submit sampling jobs assigned to them. <b>*Note: This app requires a precision enabled Agworld account.</b></p>	<p>Free</p>	<p>Yes</p>
<p><b>Ag PhD Soils</b> Ag PhD</p>		<p>Android / iOS</p>	<p>Fast and accurate soil test tool. Lab results come in 5-7 days, aerial imagery of your field, test as much as you want and pay as you test. Generate variable rate prescriptions, download recommendations and controller files.</p>	<p>Free</p>	<p>No</p>



			*Pay to have soil tests sent to Midwest Laboratories		
<b>360 SoilsScan</b> <i>360 Yield Center</i>		iOS	A portable soil lab that provides soil nitrate and pH analysis to enable more accurate and timely nutrient management.	Free	Yes
<b>Sirrus</b> <i>SST Software Inc.</i>		iOS	Manage the soil on your fields efficiently and with precision. Sirrus for iPad has what is needed for intensive soil sampling services so you can make informed fertility decisions. Upgrade to Premium to edit recommendations in the field and make treatment adjustments.	Free	Yes
<b>Soil Test Pro</b> <i>TapLogic, LLC</i>		Android / iOS	Use Soil Test Pro to order soil sampling supplies, pull precision soil samples, choose a lab from our recommended list, and ship your samples.	Free	Yes
<b>Sampling Pro 2.0</b> <i>CSBP Limited</i>		Android / iOS	Submit your CSBP Soil and Plant sample at the tap of a button. Send your soil & plant sample information straight to the CSBP lab, record your GPS coordinate and view location on Google Maps. Built in barcode scanner to match each sample bag with the apps Paddock Information Form.	Free	Yes








### Field Data Management

Name	Icon	Operating System	Description	Cost	Account Needed?
<b>Ohio State PLOTS</b> <i>OCV, LLC</i>		Android / iOS	Create replicated on-farm trials to compare hybrids, fertilizer rates, stand counts, and more. Provides statistical comparisons and summary reports.	Free	No
<b>FieldView</b> <i>The Climate Corporation</i>		Android / iOS	Connected suite of digital ag tools. Tracks rainfall, field health, nitrogen status, yield analysis, and recent activities. Includes delivery of weather information. Paid subscription required to access some functionality.	Free	No
<b>FieldView Cab</b> <i>The Climate Corporation - US</i>		Android / iOS	Digital tool for visualizing planter and harvest field data while supporting field scouting, imagery and soil data layers.	Free	No


### News and Information




Name	Icon	Operating System	Description	Cost	Account Needed?
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<p><b>AgriGold We Know Corn</b> <i>AgReliant Genetics, LLC</i></p>		<p>iOS</p>	<p>View crop and soil research studies, periodicals and videos, it can also send results of yields instantly through email and much more.</p>	<p>Free</p>	<p>No</p>
<p><b>AgWeb News &amp; Markets</b> <i>Farm Journal, Inc.</i></p>		<p>Android / iOS</p>	<p>Provides the latest agribusiness news and advice. Read ag management news, farm business blogs and articles from one trusted source.</p>	<p>Free</p>	<p>No</p>
<p><b>Farm Futures</b> <i>iNet Solutions Group</i></p>		<p>Android / iOS</p>	<p>The power of Farm Futures magazine in an app! This enhanced mobile presentation of the leading management-oriented farm magazine features enhanced user-customized markets, market commentary, news and audio updated every business day.</p>	<p>Free</p>	<p>No</p>
<p><b>agIndex</b> <i>Monsanto Company</i></p>		<p>Android / iOS</p>	<p>Get all the markets, weather, news and exclusive agronomic advice, in one quick-to-read dashboard. Receive push notifications customized to your location and crop portfolio to keep up with commodity pricing and insect and weather alerts.</p>	<p>Free</p>	<p>No</p>
<p><b>Real Agriculture</b> <i>RealAgriculture.com</i></p>		<p>Android / iOS</p>	<p>RealAgriculture is focused on the issues that are impacting agriculture. The app allows you to pick interests that are important to your operation and only see articles related to your interests. You can also save articles to read later or for offline reading.</p>	<p>Free</p>	<p>No</p>
<p><b>Ag Mobile</b> <i>Barchart</i></p>		<p>Android</p>	<p>The AgMobile app is a collaboration of AgriCharts (a division of Barchart) and Successful Farming. Access commodity markets, news and weather on-the-go from the convenience of your mobile device.</p>	<p>Free</p>	<p>No</p>
<p><b>Farm Journal On-Air</b> <i>Farm Journal, Inc</i></p>		<p>Android / iOS</p>	<p>Source for AgriTalk, AgDay, Market Rally, U.S. Farm Report, Machinery Pete TV and so much more. Watch and listen to full episodes or find your favorite highlights and the latest news.</p>	<p>Free</p>	<p>No</p>
<p><b>Brownfield</b> <i>Brownfield Ag News</i></p>		<p>Android / iOS</p>	<p>Provides instant access to customized weather and futures market prices, as well as the latest agriculture news, and unique audio updates from the Brownfield Ag.</p>	<p>Free</p>	<p>No</p>



<b>Argus Publications</b> <i>Argus Media Group</i>		Android / iOS	Provides access to critical market reporting and pricing. *Must have subscription or trial with Argus Direct account login	Free	Yes
<b>Gavilon Grain</b> <i>iNet Solutions Group, Inc.</i>		Android / iOS	Up-to-date weather, cash bids, news and market information provided by your local Gavilon facility.	Free	No
<b>Growers Edge</b> <i>iNet Solutions Group, Inc.</i>		Android / iOS	Access weather pinpointed to an individual field while locating best cash price bids within a 100-miles of a location. Users can also receive local market commentary and ag news, compare risk management options and fully utilize the Profit Manager tool to establish profit goals, edit input costs, record marketing transactions and track profit by crop and year.	Free	Yes
<b>Farm Progress</b> <i>iNet Solutions Group, Inc.</i>		Android / iOS	Keep up on local ag news, grain and livestock markets, enhanced weather and blogs. The app automatically directs one to the right local Farm Progress website, or you can choose your favorite.	Free	No
<b>AgWired</b> <i>ZimmComm New Media</i>		Android / iOS	AgWired is an online community for everyone involved in agricultural marketing and communications, including farmers, ranchers, agribusiness, farm groups, ag media, freelancers and advertising and public relations agencies.	Free	No
<b>CVA Coop</b> <i>Cvacoop IT</i>		Android / iOS	The CVA Coop app brings you real-time cash bid and futures prices, in addition to updated weather and the latest agricultural news.	Free	No
<b>FarmWeek</b> <i>iNet Solutions Group, Inc.</i>		Android / iOS	Provides farmers with the latest information about agriculture from the staff at FarmWeek, RFD Radio Network and Illinois Farm Bureau's News and Communications division.	Free	No

## Weather

Name	Icon	Operating System	Description	Cost	Account Needed?
<b>The Weather Channel</b> <i>The Weather Channel</i>		Android / iOS	View local & national forecasts, current weather conditions, and weather maps.	Free	No

<b>AccuWeather: Weather Forecase &amp; Real Time Reports</b> <i>Accuweather</i>		Android / iOS	View minute-by-minute precipitation forecast, hyper-localized to your farm and field.	Free	No
<b>Weather Underground: Forecasts</b> <i>Weather Underground</i>		Android / iOS	View hyper-local weather forecasts in addition to interactive radar, satellite maps and severe weather alerts.	Free	No
<b>Weather by WeatherBug</b> <i>WeatherBug</i>		Android / iOS	Provides fast weather alerts while viewing real-time weather conditions and hourly forecasts.	Free	No

## Area Apps

Name	Icon	Operating System	Description	Cost	Account Needed?
<b>GPS Fields Area Measure</b> <i>Studio Noframe</i>		Android / iOS	Provides area, distance, and perimeter measurement and management. Easily share maps and acreage information.	Free	No
<b>Planimeter – Measure Land Area &amp; Distance on a Map</b> <i>Core Signals</i>		Android / iOS	Measure fields, circular regions, paths and perimeters. Add markers to pinpoint locations.	\$7.99	Yes

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Visit the Ohio State University's Precision Agriculture Web Site <http://precisionag.osu.edu> and Agronomic Crops Network <https://agcrops.osu.edu/> for additional information on nutrient management and stewardship.

Tags: Precision Agriculture, Agronomy, Corn, Soybeans, Wheat, Nutrient Management