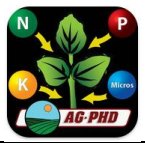
PURDUE EXTENSION

Useful Apps

With technology changing every day, it is hard to stay up on the latest trends. One of the more popular trends right now is the use of Apps on handheld devices. Apps can provide you with a variety of resources at your fingertips, ranging from news and weather, problem identification, livestock records, and grain prices. Many Apps require you to purchase them, however some are free. Here are some farming related Apps that might help you with your operation. The information given herein is supplied with the understanding that no discrimination is intended and no endorsement by Cooperative Extension is implied.

Crop Production Related Apps

	Aerial Sprays This free app allows the user to select specific operational parameters that will result in spray droplet sizes that produce maximum on-target deposition of the applied produce with minimal off-target application. This is operated by the Aerial Application Technology team within the USDA, ARS.
	Agrian Mobile This free app allows you to find crop protection product information including label & MSDS documents, commodity and pest use rates, and worker safety information at your fingertips.
	AGRIplot Utilizing this app, you can walk around an area of land and plot it. While plotting it you can mark landmarks and other features with the app and ultimately find out the acreage size of the area.
	Ag PhD This free app will help you identify problem pests out in your field. It has names, photos, and control recommendations for weeds and insects.
	Aphid Speed Scout This app from The University of Nebraska will assist you in determining if soybean aphids have reached the critical threshold by relying on the number of “infested” plants.
	Connected Farm Scout Use this app to map field boundaries, locate irrigation pivots, and entering in scouting information such as weeds, insects, and disease pressure. You can also link photos to your scouting report.

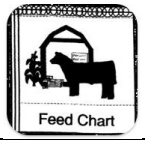
	Corn N Rate Calculator This App allows you to select a nitrogen rate that improves profitability when N and corn prices fluctuate. It is designed by the University of Wisconsin Nutrient and Pest Management Program.
	Crop Cost This app from Texas A&M Extension helps agricultural producers calculate their cost of production per crop unit. It can determine the cost of production for cotton, corn, sorghum, peanuts, and wheat.
	Corn & Soybean Field Guide Purdue University turned their paperback Corn & Soybean Field Guide into an app that features numerous pictures of different diseases and pests that impact production agriculture. It also includes calculators that can determine grain weight shrinkage, corn yield, soybean yield, a soybean replant guide, and how to determine soybean population.
	Drainage Tile Calculator This App allows you to determine your tile supply and capabilities for your field drainage project. You can calculate acres drained for a single wall and dual wall tile in any size and grade, the pipe size needed, and the length of pipe you need to purchase.
	**Fertilizer Removal by Crop** This free app allows you to enter the desired yield for a crop and determine the specific nutrients removed given that yield.
	FieldView If you have Precision planting, then you can extend the functionality of your monitor with this app by utilizing it as a second display in your cab. It will also store your data and allow you to use it at home and when scouting.
	Grain Bin Contents Calculator You can utilize this App to estimate volume and weight of grain in a bin. If you have the test weight of the grain, you can estimate the tonnage remaining.
	Grain Shrinkage Calculator By entering the initial grain moisture percentage, the final grain moisture percentage, and the number of bushels put into the bin, this paid app can tell you estimated volume lost when a grain dryer is utilized.
	Grain Storage Manager By creating virtual bins, the user can set the capacity, location, and crop, and track the crop loaded in or loaded out of the bin throughout the year. It will give you a graphic image of the amount of the bin being utilized and allow you to calculate shrinkage, bin capacity, and set reminders on when to check the bins.

	Growing Degree Days Based on your farm's location and current and past growing degree days data, you can determine the maturity of your crop. You can compare growing degree days data from multiple years for a given location.
	IPM Toolkit This App will aid you in adopting Integrated Pest Management (IPM) practices to your agricultural operation. It is sponsored by the University of Wisconsin Nutrient & Pest Management Program. It has news articles, videos, publications, and pictures that will help you utilize IPM practices.
	ID Weeds This app from the University of Missouri Extension allows you to search for weeds based on their common name. They also have a feature where you can input various characteristics of the weed and to help you determine what weed you may have in your field.
	JD Link If you have a JDLink™ account, then you can extend the use of that account by adding the JD Link app to your smartphone or tablet. This app will allow you to use multiple machine mapping, view alerts, check engine hours, and more.
	Mix Tank Easily maintain spray records by utilizing this app that records the field size, spray volume, tank size, product use rates, and more by Precision Laboratories. It has a database of over 1,300 crop protection products from over 17 manufacturers that you can chose from when entering in your data.
	MyTraps You can track pest populations to assist you in making informed pesticide application decisions utilizing this app.
	NCalc The Department of Agriculture & Rural Development sponsored this Nitrogen Loading Calculator App. It is designed to help you manage your farm in relation to the nitrogen loading limit.
	N Price Calculator This app allows you to compare the price of various forms of nitrogen fertilizer products in terms of their price per pound of nitrogen. This app is designed by the University of Wisconsin Nutrient and Pest Management Program.
	Nutrient Removal You can estimate the amount of nutrients removed for various crops based on the yield utilizing this free app.

	SoilWeb Utilize the USDA-NRCS soil survey data to find out what soil types are associated with your current geographic location.
	Soil Test Pro If you have a FarmLogic account, then you can utilize this app to receive lab results, fertilizer recommendations, and store files as it relates to your farming operation.
	Spray Lite Utilize this app to record and store data related to spaying your fields and weather conditions. Once the data is inputted, you can export a PDF to your email to print out and store.
	Spray Select Determine the proper tip or nozzle for your application utilizing this app once you enter the speed, spacing, and your target rate.
	Tank Mix Calculator This is an easy to use farm App that allows you to enter and store records as you work in the field. It will allow you to quickly and easily generate a tank mix given a few inputs including acreage, tank size, carrier volume, and chemical you plan on using.
	TankMix This free app by DuPont allows you to calculate the amount of production you will need to treat a given area.
	TankCalc US This free app by Syngenta allows you to calculate filling plans for spraying. Its recommendation is based on the area to cover, tank size, product, dosage, and driving speed.
	Vector Sprays This app utilizes information from the USDA and the Department of Defense to provide users with a searchable interface that returns droplet size data for the specified operational setup given various parameters such as spray system, solution type, sprayer setting, etc.
	Water Cost This free app from the Texas AgriLife Extension Service allows you to calculate the cost per acre of irrigation given various parameters such as hours of operation, gallons per minute, etc.
	Weed Manager Plus This free app from Monsanto Company provides you with weed management recommendations based on your region along with a tank mixing tool and measurement conversion calculator.

	YieldCheck This app allows users with a simple way to calculate and store corn yield estimates based on client, farm, and field.

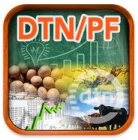
Livestock Production Related Apps

	AI Cowculator This app will assist you in determining whether it would be worthwhile to utilize AI or to use a herd sire based on information you provide.
	Allflex This free app allows you to order custom ear tags.
	Angus Mobile Created by the American Angus Association, this app is designed to allow you to input your calving records, find out about current Angus news, browse sale books, and see show results. It also has date calculators for gestation and performance measurements such as weaning and ultrasound.
	**Barn Feed Chart** This paid app allows producers to track what they are feeding by pen to their animals on feed.
	MSUES Break Even This decision tool allows you to put in information about your livestock so that you can determine the minimum price that will allow you to be profitable. It can provide you with the break even purchase price, break even cost of grain, and break even selling price. It is designed by the Mississippi State University Extension Service.
	CattleFax Find up-to-date information about the beef industry and follow the futures market utilizing this app. There are also calculators available that determines breakeven sale prices and purchases prices for feeder cattle.
	Cattlemen's Break Even Calculator for iPad This paid app calculates profit and loss, days on feed, finish dates, and total expense per head during a feeding period.
	Cattle Visions This App provides a very simple gestation calculator that you can use to calculate breeding date or desired calving date.

	Crystalyx Beef Cow BCS You can snap a picture with your device and then compare it to reference images to determine the body condition score (BCS) of your animal. This app will allow you to track the BCS of your animals over time.
	Hay Broker This paid app allows you to search for hay for sale in your area and also provides you another location to advertise hay for sale.
	Herd- Animal and Livestock Management The free version of this app allows you to keep track of five animals within your herd on your smartphone or tablet. Information you can keep include identification number, sex, species, breed, insemination date, etc. To maintain records for more than five animals, you must purchase the full app.
	Manure Pit Calculator This paid app allows you to estimate the remaining capacity of a round, square, or rectangular pit based on inputs that you provide.

Farm Management & News Related Apps

	AgDirect Computes Finance and lease quotes, including annual and semiannual payments for equipment.
	AgWeb News & Markets Powered by *Farm Journal*, AgWeb allows you to read the latest in ag management news, farm business blogs, and articles on your handheld device.
	AgIndex This free app from the Monsanto Company allows you to receive all the markets, weather, news, and exclusive agronomic advice.
	Cash Grain Bids This app allows you to stay up to date on local grain prices based on your zip code.
	Commodity Prices Get the latest commodity trading prices in realtime.

	cropNAtion This is a social media site that allows farmers to connect with each other without having to go to the local coffee shop. Once you set up a profile, you are able to ask and answer questions, upload photos, and access the latest commodity markets and weather conditions.
	Documents to Go® If you want to be able to work on Microsoft® Office® files utilizing your iPad, then this is the app for you. It will allow you to view, edit, and save Microsoft® Office® files and share them with your home computer.
	DEWALT Mobile Pro This free app is great for anyone doing any major construction project. It will allow you to determine how much concrete, dry wall, or paint you need for a specific area along with determining how many studs.
	**DTN/The Progressive Farmer** You can read current articles on crops, livestock, equipment, farm business, land management, Ag policy, and farm life with this App. If you do not have a subscription to DTN, you will only be able to access some of the articles. This App also comes with weather radar feature.
	Evernote You can create notes, capture photos, create to-do list, and record voice reminders utilizing this app that can sync across all your handheld devices. All your notes are searchable.
	Farm Futures Allows you to customize the markets, market commentary, news and audio updates based on what you want to see.
	Fastline If you are in need of farm equipment, you can use this app to search for agricultural, construction, and trucking equipment quickly. However, you are not able at this point to narrow geographical area for the search.
	Mortgage Calculator Plus Easy to use mortgage calculator that allows you to do bi-weekly, monthly, quarterly, semi-annual or annual payments with any rate or term.
	Numbers This paid app allows you to design and utilize spreadsheets on your apple device.
	The Weather Channel Find the latest information about the weather in your area by utilizing this app.

	USDA News Reader Read top stores from the USDA utilizing this reader.
	Units You can convert units from 43 different categories utilizing this friendly app that you can put on your smartphone or tablet.

Horticulture Related Apps

	Purdue Annual Doctor Purdue University developed this app that allows you to identify and manage annual flower problems caused by insects and diseases.
	Fifty Trees of the Midwest Purdue University developed this app that allows you to identify and learn about trees. This app contains information about broadleaf and evergreen trees.
	Leafsnap This app developed by Columbia University, the University of Maryland, and the Smithsonian Institute allows you to take a picture of a leaf and then identify the tree based on the picture you took. It also provides you with images of the flowers, bark, seeds, and berries of various trees.
	Purdue Perennial Doctor Purdue University developed this app that allows you to identify and manage perennial plant problems caused by insects and diseases.
	Purdue Tree Doctor Purdue University developed this app that allows you to identify and manage tree problems caused by insects and diseases.

Entertainment & Education Related Apps

	7notes HD A smart writing tool that allows you to take notes in either handwritten form, typed form or even converts your handwriting into typed format. Great for taking notes that can be forwarded on in a readable format.
	ColorBlast! HD Utilize this app to edit photos and create black and white photos with just a pop of color that you can then share or print.

	Dragon Dictation This app allows you to say what you would like typed up in an email message or text and send it to someone.
	Flashlight Have a handy flashlight on your phone by downloading the flashlight app.
	Flipboard This free app allows you to have one source to catch up on the news you care about. Like Pinterest, you can create magazines where you have saved articles which you like and want to read again.
	GoodNotes Allows you to take handwritten or typed notes on either the provided format or uploaded pdf files.
	Key Ring Keep all your reward cards on your handheld device instead of on your key ring by utilizing this app.
	MapMyWalk Fitness tracking app that allows you to use the GPS of your mobile device to track all your fitness activities such as route traveled, distance and time.
	Milk the Cow Entertain yourself and others by seeing who can milk the cow the quickest.
	My Data Manager Avoid penalties by keeping track of how much data you use on your handheld device.
	My Horse Experience what it might be like to take care of a horse through this app where you will be grooming and feeding the horse. Also, you get the chance to compete in challenging competitions.
	Pandora Radio Utilizing this free app you can customize your own radio station based on your favorite artist, song, genres, etc, so that you can hear the music you want to hear.
	PBS KIDS Allows your children the chance to watch videos from your favorite PBS KIDS television series anywhere with this app.

	Pinterest If you have a Pinterest account, then you can utilize this app to pin things to your boards without having to log into pinterest.com.
	Scholastic Storia Utilizing a Scholastic account you can obtain thousands of eBook titles that your child can then read on your device or have read to them by your device. Some of the books have learning activities built right in them.

This document is to support information given at the 2014 Midwest Women in Agriculture Conference “Apps & the Cloud” breakout session. This session was presented by Melanie Strait-Bok (Regional Vice President, Farm Credit Mid-America) and Jenna Smith (Extension Educator-ANR, Purdue Extension).

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