FARMING ON THE GO

APPS IN AG

Lori Duncan
Row Crop Sustainability Specialist
UT Extension
1. Generational differences, steep learning curve
Problems

2. Smart phones are only as smart as the user
Problems

3. Market is saturated
Problems

4. Rural connectivity
Apps in Ag

- Smart devices
- Android vs. Apple
- Free vs $

- Weather
- Inputs
- Site-specific
- Farm management
- ID
- Etc., etc., etc.

Real. Life. Solutions.
Weather

The Weather Channel

$Free
Pocket Rain Gauge

See the total rainfall over the past 24 hours for your exact location.

Rainfall - Last 24 Hours (updated hourly)
4pm to 4pm

0.14 in

Are We Right? Are We Wrong?

Research Park

IL corn SS dry No Rain
IL cover crop No Rain
IL double crop No Rain
IN soybeans No Rain
KS winter wheat No Rain
LA seed corn No Rain
MD 2016 fallow 0.09 in
MD all fallow 0.09 in
MT spring barley 0.02 in
NE corn SS irr No Rain
Big Field No Rain
Huge Field No Rain
Slant Field No Rain
Pocket Spray Smart

See current wind speed direction and inversion potential at boom height for your exact location.

Your Location

Your Fields

Real. Life. Solutions.
Ag PhD App Suite

Fertilizer Removal

Soil Test

Deficiencies

Real. Life. Solutions.
Tank Mix Calculator

From the makers of FarmPAD

AREA TO SPRAY
200 Ac

TANK SIZE
1000 Gal

SPRAY VOLUME
10 Gal/Ac

CHEMICAL/RATE
Roundup Original MAX 25.0 Oz
10% Boron 5.0 Pt

Chemical Name
Roundup Original MAX

Friendly Name

Manufacturer
Monsanto Company

EPA Reg #
524-539

In order to view labels, you must be connected to the internet. This label information is believed to be current, however, always use and abide by the manufacturer's label that comes with the product.
SITE-SPECIFIC APPS
GPS Area Measure

Real. Life. Solutions.
AgriBus-NAVI

Add external GPS/GNSS Receiver for increased accuracy (> $150)

$Free to $5/month
Instructions:
1. click "get my location" to enable GPS
2. if sufficient accuracy is not attained by the GPS, adjust accuracy threshold slider on back page
3. once soils information is returned, click one of the two links associated with soil profile images
4. click the "back arrow" button to return to this screen at any time

Pollasky
Typic Xerorthents

0 cm
8 cm
28 cm
86 cm
99 cm
terraces/Summit

click to follow link to map unit details page

click to follow link to Official Series Description

Real. Life. Solutions.
Soil Test Pro

1. Create Soil Sample Jobs
Select the farm and field you wish to sample. Assign the job to a user in your system, and choose a grid size.

2. Set Grids
Choose a grid size that best represents your fields. Remember, the grid is just a guide. Choose a grid size, adjust it, and set the grid.

3. Mark Samples
GPS will guide you to the sample point. Pull 8-10 cores for each sample. Continue sampling at each grid point until you have finished the field.

4. View Results
Your lab results will be posted to your Soil Test Pro account in 3-5 days. View your results online or on your mobile device.

Real. Life. Solutions.
**iSOYLscout**

- Field scouting
- Record polygons or point data
- Uploads to cloud service
Farm Dog Scout

Up to 1000 ac $Free

Treatment labels and efficacy reviews from your phone

- Access treatment labels before you make a treatment decision
- Compare over 50,000 treatment efficacy reviews for your region
AgriSync

$Free (to producers)
Sirrus (SST Software)

- Sync data with others
- Scouting photos
- Soil sample (grid or zone)

BIOST COLLECTION
Collect and edit boundaries using high-resolution, geo-referenced imagery.

WEATHER
Real-time weather updates for your fields.

PRODUCT LABELS
Premium Feature: Access product labels to get answers to pesticides, fertilizers and seed treatments.

SAFETY DATA SHEETS
Premium Feature: Access a continuous growing library of labels and safety data sheets.

VARIETY TECH SHEETS
Premium Feature: View various seed product characteristics to make the best economical decisions.

Real Life. Solutions.
FieldAgent

- Scouting with mobile app
- Syncs with cloud for desktop service
- Premium apps allow to fly certain drones

Free to $29/month

Real Life Solutions
Climate FieldView

Real. Life. Solutions.
John Deere App Center

Real. Life. Solutions.
FARM MGMT.
APPS
# Farm Futures

<table>
<thead>
<tr>
<th>CONTRACT</th>
<th>LAST</th>
<th>CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul 15 Corn (E)</td>
<td>357-2s</td>
<td>↓ -7-6</td>
</tr>
<tr>
<td>Dec 15 Corn (E)</td>
<td>375-2s</td>
<td>↓ -7-6</td>
</tr>
<tr>
<td>Jul 15 Soybeans (E)</td>
<td>949-4s</td>
<td>↓ -2-0</td>
</tr>
<tr>
<td>Nov 15 Soybeans (E)</td>
<td>921-6s</td>
<td>↓ -3-2</td>
</tr>
<tr>
<td>Jul 15 Wheat (E)</td>
<td>513-4s</td>
<td>↓ -18-6</td>
</tr>
<tr>
<td>Dec 16 Wheat (E)</td>
<td>581-6s</td>
<td>↓ -15-0</td>
</tr>
<tr>
<td>Jul 15 KCBT Red Wheat (E)</td>
<td>530-4s</td>
<td>↓ -17-6</td>
</tr>
</tbody>
</table>

As of: 06/10/2015 3:19 PM

All prices delayed 10 minutes.
AgMobile

Successful Farming

AgMobile by AgriCharts

MARKETS | NEWS | WEATHER

Agriculture.com Latest News
Agriculture.com Videos
Corn
Soybeans
Wheat
Cattle
Hogs
Cotton

Real. Life. Solutions.
OTHER USEFUL APPS
Ohio State PLOTS

- On-farm trials
- Population, fertility, etc.
- Built-in statistics
ID Weeds

ID Weeds
by plant features

Search
by name

View Full List
sorted alphabetically

American Speedwell
Veronica americana

Description: Aquatic speedwell with attractive light blue flowers that are usually partly in and partly out of the water. American speedwell can be found in swamps or along the banks of streams and ponds. American speedwell is somewhat rare but can be found in Virginia, North Carolina, Tennessee, Kentucky, and West Virginia.

Leaves: Generally oval to elliptic in outline, widest at the base and pointed at the tip. Leaves are approximately 3/4 to 1 1/2 inches long, 1/2 to 3/4 inch wide. Leaves are usually shallowly toothed and occur on short petioles. The leaves that occur on the upper flowering stems dislap the stem at their base.

Stems: Growing prostrate along the ground with the flowering tips upright (deumbent growth habit). Stems may reach as much as 2 feet in length as they are capable of rooting at the nodes.

Flowers: Occur in clusters at the ends of the erect flowering stems. Flower clusters range from 2 to 5 inches in total length and contain many small light purple to light blue flowers. Each flower consists of 5 petals and is approximately 4 to 5 mm in total width.

Identifying Characteristics: The aquatic growth habit, oval to elliptic leaves with petals, and small light blue flowers are all characteristics that help in the identification of American speedwell. Water speedwell (Veronica anagallis-aquatica) is very similar in appearance and growth habit, however this species has leaves without petals (sessile) unlike American speedwell. This weed may also be confused with Creeping Primrose (Ludwigia palustris), however this aquatic weed generally has some portion of the plant under water, often has red-tinted foliage, and does not have blue flowers.

Fruit: A capsule.

© 2016 University of Missouri - Division of Plant Sciences

Real. Life. Solutions.
Take Home Message

• There’s an app for that!
• Increase efficiency
• Don’t get overwhelmed
• Free trials
• Availability and compatibility
• Data