Agricultural Applications of Tablets and Smart Phones

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Introductions	In	tro	d	uc	tio	ns
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A GRILLER EXTENSION

- Presenters
- Participants
- •What we want to accomplish today.....
- What can Tablet/Smart Phone do to make you a better decision maker?
- What works best for you.
- Where would it fit if you already have computer and smart phone?

Tablets and Smart Phones



- Trying to use General Category names.
- ⊙ We are using iPads. Has been leader.
- More apps for them.
- We have developed our first apps for the Apple Store..for iPhones and iPads.
- But we are getting prepared to address other platforms..Android and Microsoft.

Questions to find out where to start? o How many DO NOT have an iPhone or other smart phone? o Who has iPad or other tablet? o Who has both tablet and smart phone? o Who has an Android tablet? Phone? o Who has a Microsoft tablet? Phone? o Do you sync to computer?	
Tablets and Smart Phones ARREST AND TRANSION	
 What is an iPad? Tablet in general? Light, touch screen, quick start, limited ports, email, read books, pictures, music, surf the net, etc iPhone vs iPad. Tablet vs Smart Phone. iPad2 vs iPad3 vs iPad mini? Other tablets and smart phones? Android, Microsoft and other alternative platforms? 	
TO A MAN	
Do you need a Tablet?	
⊚ Then do you need a Tablet?	
 Does your Tablet replace computer? Are you comfortable with key board? Plan to create documents on your tablet? 	
• What can you do with tablet that you cannot with smart phone?	

Tough questions	ACRILLER EXTENSION			
	t Phone?			
 Which iPad? Memory? iPad2, iPad3, Mini? Wifi only or Cellular Data? 				
• iOS6				2 11 20 1
To make your iPad work for you	ABASZSM GRILLEE EXTENSION			
⊙ Apps				
Safari and other browsers Pages, Keynote, Numbers				
⊚ Email				
Camera Face time				xii uu ugo
 Non-Apple Tablets: Android, Microsoft File operations, more standard ports, some 	what more	-		
like laptop. (More later.)				
		-		
What else makes an iPad more productive?	AGRILIFE EXTENSION			1
o Keyboard				
iCloudSync with computer				
○ Printing○ Display on projector or monitor				
Android Tablet?				
 Microsoft Tablet? In general these are more like your computer. 				
			We to the second	

iPad compatible with computer?	
© File Sharing?	
Pages, Keynote, Numbers?	
o Safari? o iCloud?	
More compatible with Mac?	
e More compatible with Mac?	
Android and Microsoft tablet do give you more compatibility with your P.C. More connections to printer, drives,etc	
 Ports, File Operations, Some have longer battery life. 	
USB, External Hard Drive, Mouse, etc	
More complete keyboard. Heavier sometimes.	
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THE IT I I CONTROL TO THE PARTY OF THE PARTY	
The other platforms? Other tablets?	
Anything we haven't mentioned yet?	
o This is where you find out that lav's head is packed with	
This is where you find out that Jay's head is packed with useful facts!	
dserur racis:	
⊙ AndroidJay	
O Allardia day	At the second se
MicrosoftJackie	
Best chance to replace laptop with tablet? Have your same	
software-Office, file operations, folders, etc	
Which operating system? Get ready for a very different	
windows whether it is Windows 8 RT, Pro, etc	
o Other Tablets? For books, games, etc	
Pick up an iPad for some	
hands-on time.	
nands-on time.	
⊙ Turn it on	
⊙ Charging, Cables, etc	
Learn to touch screen	
Pull apart, pull back together	35 0
Slide something	
Home button	
⊙ Camera	
⊙ iTunes	
⊙ App Store	2
Find QR code reader app	

Use QR code reader.		
回烷为数回		
GACON HENELY		
		-
25.000 AG		
前海海野		
EI-ROVAN:		
9	AGRILIFE EXTENSION	
Hands on Other	ATTEMS AGAIN]
Hands-on Other	ABASS ASM EXTENSION	
⊙ Settings⊙ Open another App (DTN)		
Rearrange Icons		
Make a Group		
o Close apps		
Delete appTake a picture and press email button		
Screen Shot		= : >
Put Short Cut on Home Screen (for a web site)		
 The Seam—good example Safari Bookmarks		
o Salari Bookmarks		
Haeful Conoral Anna	ATEXAS ASM	
Useful General Apps	EXTENSION	
O Many that use legation		F
Many that use locationDragon, Docs To Go, Evernote, etc		
Weather, Maps, Navigation, Flashlight		1 m
 Plant ID, Tank Mix, Ag Markets, etc 		
Later—More Specific Ag Applications		

Today we think we will help you WIR TENSION with these points.	
What can a Tablet/Smart Phone do to help you make better,	
more timely decisions?	
	* * 1
• Where does Tablet fit into your electronic bag of tools?	
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Agricultural Applications	
of iPads and iPhones (Not as many for	a a
Androids and Microsoft)	
a Dattar manage state	
Better manage risk Increase profitability	
Increase promability Easier access to market information	
Make decisions on the tractor or in the pickup.	
Have information on costs, breakeven prices and breakeven yields with you all the time.	
 Have access to information at all times to adjust or execute components of your marketing plan. 	
 See Handoutwill look at this later. 	
V AGRILITE EXTENSION	
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Better Decision Making	* ₅₉
with iPads and iPhones—and other	
platforms as they are developed.	
 We are developing apps to add to your set of tools to be able to obtain/calculate the information to improve your decisions. 	
 Introduce you to existing apps that can give you on-the-go 	
data and tools to improve your decision making.	
 We will stay in contact as we improve our apps and as we find existing apps that could be valuable to you. 	

 Be sure we have your e-mail address if you want us to send you information on apps.

Better Decision Making with iPads and iPhones

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- Special emphasis on encouraging you to develop a written marketing plan that you keep up to date and are prepared to take action at any time.
- Everything we do in this project is designed to take advantage of new technology to help you make more accurate and timely decisions.

Good Decisions based on Planning and Good Information

AGRILLEE EXTENSION

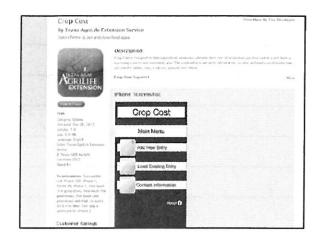
- We want you to be prepared to take advantage of a profitable price.
- We want you to set price objectives that you know are profitable.
- We do not want you to just try to hit the top of the market.
 We do not want your marketing plan to be to just hit the top of the market
- You have to be able to accurately estimate your yield and your costs to be able to project what a profitable price is for you, anytime a pricing opportunity is available.

Good Decisions based on Planning and Good Information

AGRILIFE

- We want you to have information to evaluate your risks. We want you to understand how to use price risk management tools and production risk management tools. Our main goal is to help you obtain those tools...for us to develop apps and/or help you find them.
- Even if we don't concentrate on them today, there are many good production related apps. Included on list we hand out.

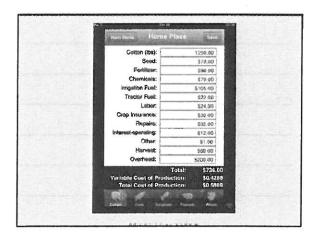
Developing and Implementing Your Marketing Plan-First Apps to be identified	A CRILLER EXTENSION	
or developed for some of these steps. o Identify short and long term goals.		
Establish production estimates. Calculate breakeven and profit price goals.		
Know the market and market outlook. Identify the marketing tools to be used. Compare under diffe outcomes.	rent market	-
O How much should you forward price. Hedge? O When, how much and how are you going to sell? Time to ge	t specific.	
Invest time and money to do it right. Revise and Review marketing plan as conditions warrant Maintain Discipline		
Walitan Discipline		
	· · · · · · · · · · · · · · · · · · ·	
Ag Apps	ATTENNA ASM CIRILLIE EXTENSION]
West - Broken	EXTENSION	-
Who has a good Ag App to share with the group?		
See handout for large list of Ag Apps.		
Other favorite useful Apps?		
Γ		7
Our Crop Apps	AGRILIFE EXTENSION	
Available in App Store		
⊙ Free		
O Crop Cost O Water Cost		
Water Calc		
Search for Crop Cost See next slide. Enter data into Crop Cost.		
L.		



Example Pivot Irrigated Cotton Enter Data into Crop Cost app

- o Yield 1,250 lbs o Seed \$70
- o Fertilizer \$90
- ⊙ Chemicals \$70
- o Irrigation Fuel \$105
- o Tractor & Pickup Fuel \$22
- o Labor \$24
- ⊙ Crop Insurance \$30

- Interest-Operating \$12
 Other \$1 (Could use this to add profit goal per acre.)
- o Harvest \$80
- o Overhead \$200 Assumes seed income covers ginning.

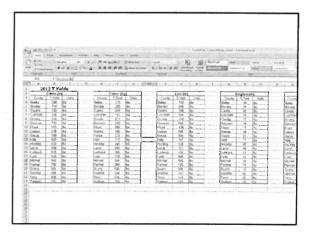


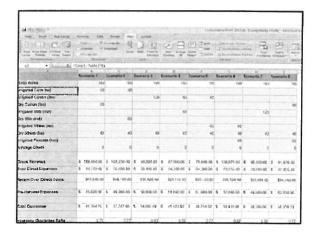
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Now to Our Other A	pps			
Water Cost		5		
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Water Cost By Tricus Agriffile Estimation Service	Von Hen ly Disc Devstone			
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AGRILIFE EXTENSION				
Phone Screenshot Water Cost Calculator				
Compress Selfons Reviews P. Pris IA, 2012 Version: 19 Version: 19	3	3 		
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Enquirements Companion (Glocalité) Resid. With Thomas (Food trans), and Find Emporer (CS E the lates. This way is committed for Phone	7			
Deliber Militable	\$0.00 60.00			
	-			
Water-Calc	Volume Hand Say Your Developers			
By Texas Agritife Extended Service Open Pares to buy and develop Expec				*1
hand an one alternative metted could	Pean badreyment these Corse value Select calculate their water one lated by the distant. By covering beginning and ending funitoriar insidents.			
ADXAS AGM GRILLIFE EXTENSION	as calculate the acre income upplies the webuilt reginding più ginone. More	***************************************		
EXTENSION (Phone Screenshot		X		
Free Water Cells	3			
Section 1.4 Ending referring (8		Marie
County, Labourk Translability Circ Acres Connect Name of Hours of Counting				
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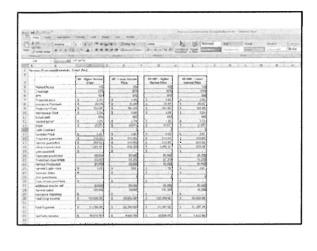
Special Spreadsheets Designed to fit iPad

- T-Yields
- For area counties just recently updated.
- Especially important when no APH history.
- Comparative Profit
 - Compare alternative crops considering net returns and ratio of total insurance guarantee to pre-harvest expenses.
- Insurance Comparison
 - Comparison of RP and RP-E at high and low harvest prices.









Other Useful App	Othe	r Use	ful	App
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- ⊙ Other Examples?
 - Tank Mix
 - DTN
 - NRCS
 - Etc..

⊙ Cover other useful apps as time allows. Handout.

Future Plans for this Project



- O Livestock Apps In development:
- Cow/Calf Cost of Production calculate a producer's breakeven cost of production per pound of weaned calves.
- Stocker Cost of Production calculate producer's breakeven cost of production per pound of stocker calves on pasture.
- Replacement Heifer Bid Price calculate the feasibility of purchasing replacement heifers at the stated market price.
- Stocker Bid Price calculate a producer's breakeven purchase price that can be paid for stocker cattle given expected sales price and grazing costs.
- We encourage suggestions from workshop participants for other livestock Apps needed.

Future Plans for this Project	ADRILLER EXTENSION	<u> </u>
Other PlatformsInsurance AppsOther?		
O We encourage suggestions from wealth on		·
 We encourage suggestions from workshop participants for Apps needed. 		
Wrap-Up	AGRILLER EXTENSION	
Evaluation		
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