

Smartphones and Tablets

Moving Herd Recording to a Mobile Environment



Cork 2012



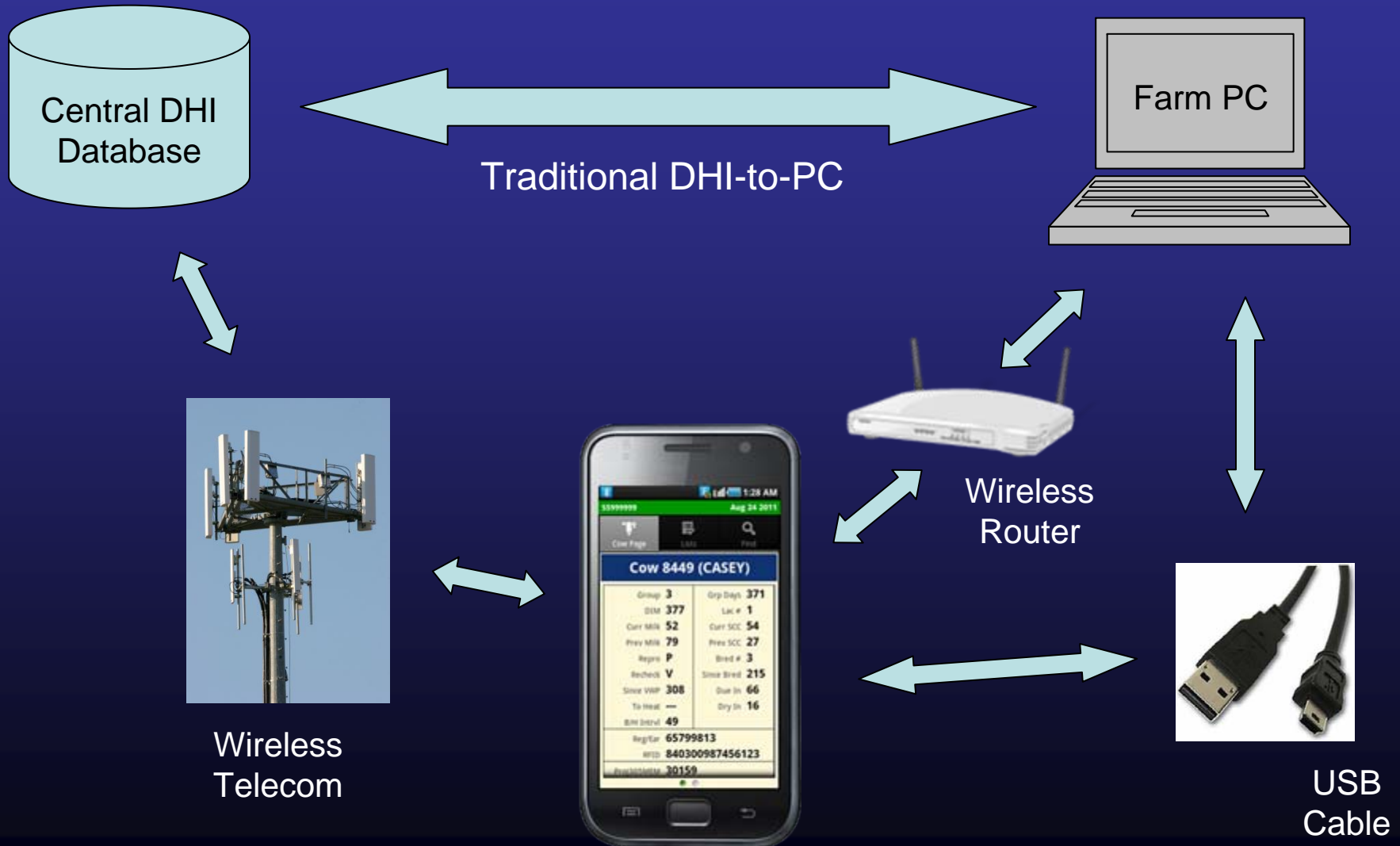
DAIRY RECORDS MANAGEMENT SYSTEMS

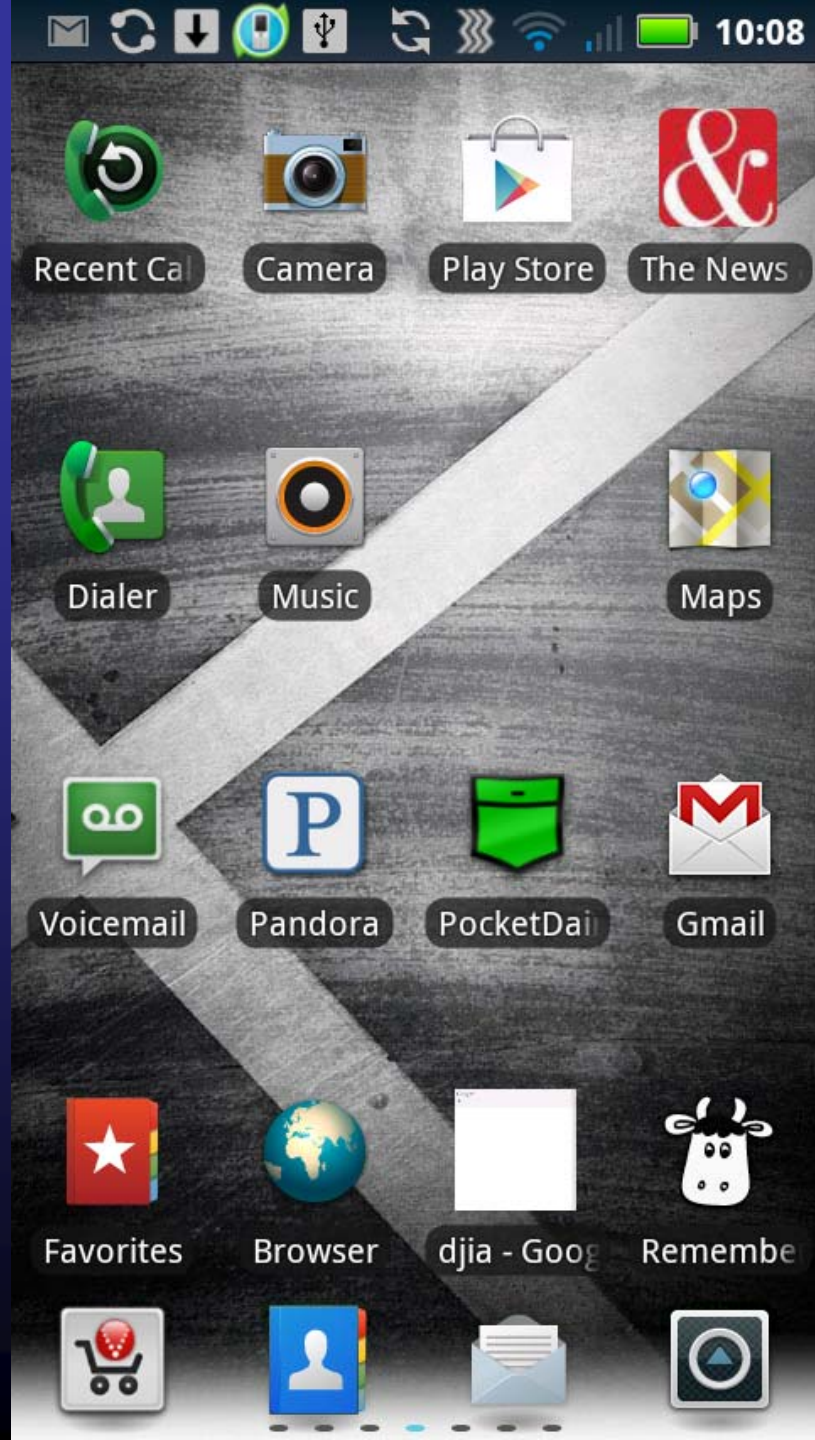
www.drms.org

Objectives

- To improve the convenience and usefulness of the desktop computer and the central database
- To deliver these benefits with value

Data Flow





33090003

UNIV OF IL DAIRY HERD

52360005

GEO ALVIS & SONS





Cow Page



Lists



Find



Input

Cow 133

Group **3**

Grp Days ---

DIM **293**

Lac # **4**

Curr Milk **83**

Curr SCC **17**

Prev Milk **87**

Prev SCC **27**

Repro **P**

Bred # **1**

Recheck ---

Since Bred **219**

Since VWP **222**

Due In **62**

To Heat ---

Dry In **2**

B/H Intrvl ---

Reg/Ear **52331133**

RFID ---

Custom 1 ---

Custom 2 ---

33090003

May 25 2012



Cow Page



Lists



Find



Input

Cow 6993 (CINDY)

Group **4**

Grp Days **308**

DIM **Dry**

Lac # **9**

Milk Dryoff **0**

305ME **25288**

Days Dry **744**

Due In **---**

Twins? **No**

Reg/Ear **122498561**

RFID **---**

DaysOp **899**

SugSSire1 **STRACK2X**


SugSSire2 **138HO4135**

SugSSire3 **---**


Rat **C**

Custom 6 **---**


33090003 Quick View (238) May 25 2012




Cow Page



Lists



Find



Input

Idx	Grp	Rpro	Rck	DIM	DSB	Brd Num
6993	4	C	K	0	0	0
7311	7	B	V	723	109	7
7454	1	C	K	328	0	0
7538	7	---	---	215	0	0
7635	4	C	K	0	0	0
7665	1	P	V	587	336	5
7744	5	C	---	0	0	0
7821	42	P	V	0	469	5
7866	1	B	---	390	217	3
7934	44	P	V	0	434	4
7946	1	P	---	365	245	2
7950	1	P	V	572	371	4
7958	1	B	---	335	217	2
7963	1	B	---	278	203	1
7969	4	C	---	0	0	0
7986	7	---	---	206	0	0
7994	1	P	---	442	245	4
7998	1	B	R	465	231	4
8049	1	P	V	430	357	1

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Cow Page



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Cow Page



Lists



Find



Input

Cow 7665 (SAL)

PALP	PRH NO G	07/27/11
BRED 5	DOMAIN	06/25/11
CHOR	GnRH TM	06/24/11
PALP	LF2CL2RCL3 PGF	06/22/11
CHOR	PGF TM	06/22/11
PALP	LCL3F1RS	06/17/11
PROT	OvSynch	06/15/11
PALP	LCL3 G	06/15/11
CHOR	GnRH TM	06/15/11
BRED 4	7HO10272	05/14/11
CHOR	PGF TM	05/11/11
PALP	LF2 RCL3	05/07/11
PROT	OvSynch	05/04/11
PALP	LCL1 RCL2 G	05/04/11
CHOR	GnRH TM	05/04/11
BRED 3	7HO10272	04/02/11
CHOR	GnRH TM	04/01/11
CHOR	PGF TM	03/30/11

Milking Cows

Quick View

To Calve

To Repro

To Breed

To Dry

All Lists

☒ All Animals

☐ Cows Only

☐ Heifers/Bulls Only

☒ All Groups

☐ Group #

To Breed

☒ Look back limited to days

☒ Look ahead limited to days


To Dry

☒ Look back limited to days


Use Defaults

Done


33090003 Quick View (238) May 25 2012




Cow Page



Lists



Find



Input

Idx	Grp	Rpro	Rck	DIM	DSB	Brd Num
6993	4	C	K	0	0	0
7311	7	B	V	723	109	7
7454	1	C	K	328	0	0
7538	7	---	---	215	0	0
7635	4	C	K	0	0	0
7665	1	P	V	587	336	5
7744	5	C	---	0	0	0
7821	42	P	V	0	469	5
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7969	4	C	---	0	0	0
7986	7	---	---	206	0	0
7994	1	P	---	442	245	4
7998	1	B	R	465	231	4
8049	1	P	V	430	357	1



Cow Page



Lists



Find



Input

Calved

Bred

Dried

Group Change

Left

New Animal

Repro

Health

Cow 7665 Group 1

Calv Date	-	05/05/2012	+
Difficulty	-	3 Needed assist	+
Weight	-	1300	+

Cow Idx	7665	Move to	Grp
---------	------	---------	-----

Calf 1

Kept	Female	Grp
------	--------	-----

I	Index	D	DHIA ID
B	Barn	R	RFID

Breed

AY Ayrshire



BS Brown Swiss



GU Guernsey



HO Holstein



JE Jersey



MS Milk Shorthorn



WW Red White



Select language

English



After saving an input

Return to input overview



After saving a repro input

Return to repro list



Program Version

1.1.12



Checking for updates...

USB

33090003

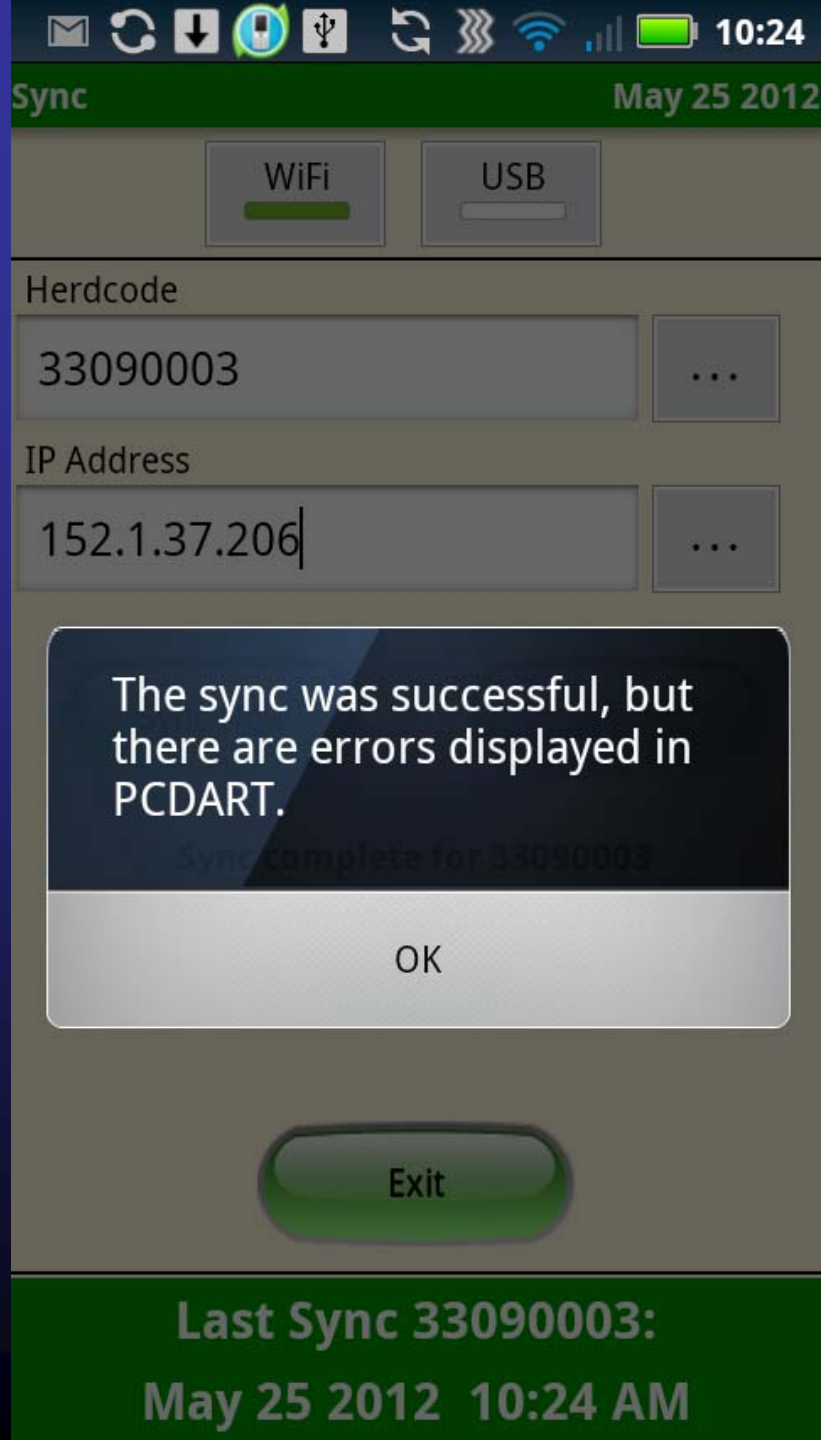
• • •

192.168.1.143

• • •

Cancel

**Last Sync 33090003:
Unknown**



Select language

English



After saving an input

Return to input overview



After saving a repro input



Select language

English



Español



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Hoja de Vacas



Listas



Hallazgo



Entrada

Vacas en Prod

Vista rápida

Parir

A Repro

A Servir

Secar

Filtro

Animales Todos
Grupos Todos

33090003

May 25 2012



a de Vaca



Listas



Hallazgo



Entrada

Vaca 7934 (CAMAY)

Grupo **1**

Dias Grp **---**

DEL **159**

Lac **6**

Leche pesaje act **147**

SCC pesaje act **27**

Leche pesaje ant **150**

SCC Peaje ant **15**

Repro **B**

Serv **2**

Recheq. **---**

Dias dsde Serv **42**

Hasta VWP **0**

Parir en **239**

Celo **1**

Secar en **189**

S/C Intrvl **42**

DHIA ID **61532605**

RFID **982000018351032**

Variable 1 **---**

Variable 2 **---**

History

- PocketDairy Palm (2000)
 - Palm operating system
 - **Design discipline** for hardware and software
 - Successful (> 1,100 subscribers)
- PocketDairy PPC (2005)
 - Windows PocketPC operating system
 - **Lack of design discipline** by Microsoft & DRMS
 - Unsuccessful (in terms of popularity)

Progress

- Released to beta users 2011
 - Highly successful – 350+ users within months
 - Surprises
 - Non-phone vs. “Only one device to carry”
 - **Emotional response**
- Full release in June

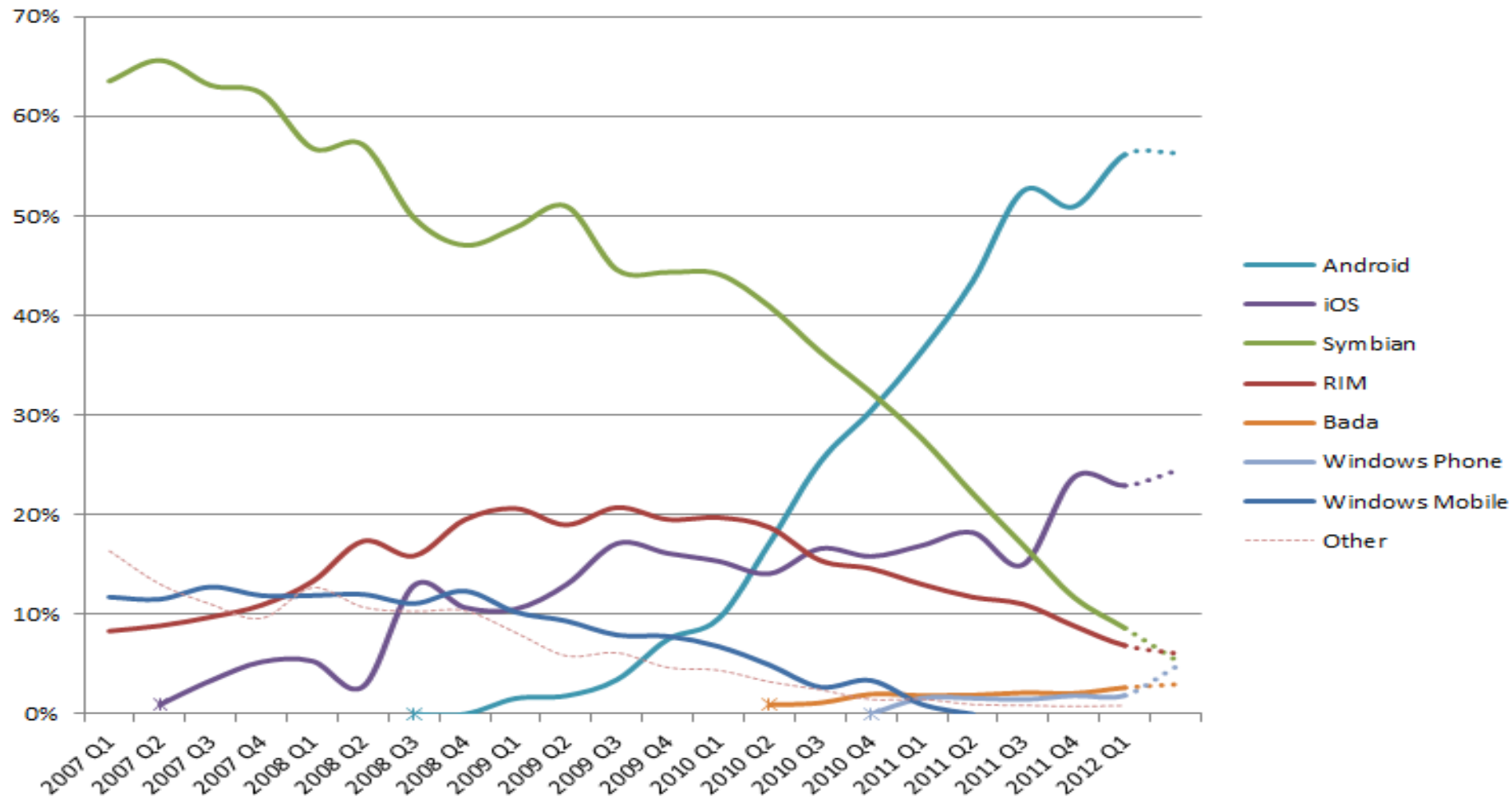
Farmer Comments

- “I like entering breedings on the Android so much, that I want to **breed more cows**, just so I can enter the breedings on the Android.” *Marty Burken, Iowa*
- “I've been using the Pocket Dairy for Android since last year. As a herd manager of over 400 cows, this is an **awesome** tool to have! I love that when I'm not on the farm and my boss calls with a cow question, I can just pull up her info. I'm always prepared now! Thank you for such a great program!” *April Phelps, Virginia*
- “I renewed my cell phone contract and got an Android JUST because of PocketDairy !!! My husband asks me to look for cow , heifer fresh date , breeding date, whatever info needed. I have it on MY phone He's going to have to get HIS OWN phone.... But **we love it!**” *Hope Reynolds, Kentucky*

Technical

- Android operating system 2.2+
- Developed in Java
- Uses installed SQL database
- External interface by simple text file
- Foreign language support by XML file
- Avoids the Android Market system (data/updates)
- Works on phones or **non-phone** devices
- Devices can be used for other software
- Why not browser-based? (not always available)

World-Wide Smartphone Sales (%)



- Android (58), Apple (25), Windows Mobile (2)
- Cross platform development tools

Future

- Better telecom coverage in rural areas
- Speech recognition and output
- Delivery of central agency products and services

Summary of Primary Benefits

- Reduces delays in decision-making
- Conserves time
- Conserves walking
- Conserves paper
- Opens channel for central agency input
- Simple to use; no instruction manual

Mike Yoder
Dairy Farmer, Indiana, USA





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