

SowTracker® Sow Reproductive Management Software

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Overview: SowTracker

- Why use SowTracker?
- Reports generated
- Data Entry
- System requirements and Installation
- Importing/Converting data
- Backing Up / Restoring

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Why Use SowTracker?

- Target: Smaller producers needing entry level program for a 'one time fee'
 - Repro only, no 'bells and whistles' such as PDA access, etc
- Includes most used reports (management lists, sow cards, summary of performance, boar fertility, sow fertility, farrowing rate)
- Can have 1 farm in program at a time
- Can export all reports to Excel, Word, text for graphing and further analysis, or uploading to a 'full service program'
- Goal: to make sure every pork producer has an affordable, effective computerized sow management software system

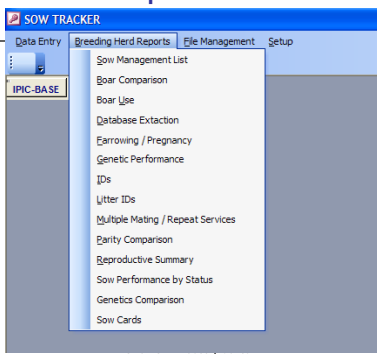
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Reports

- The primary purpose of the SowTracker program is to generate reports that help you manage your swine herd.
- Reports generated within this application provide comprehensive, detailed information because they select and summarize data from many different data entry records.
- This allows the user to draw conclusions about herd performance and make informed management decisions that will ultimately increase profitability.

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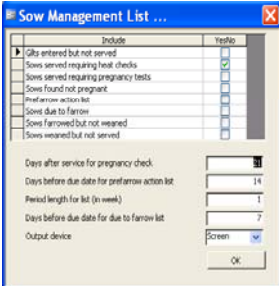
Reports



The screenshot shows the 'SOW TRACKER' application window with the 'Reports' menu open. The menu items include: Sow Management List, Boar Comparison, Boar Use, Database Extraction, Farrowing / Pregnancy, Genetic Performance, IDs, Litter IDs, Multiple Mating / Repeat Services, Parity Comparison, Reproductive Summary, Sow Performance by Status, Genetics Comparison, and Sow Cards.

Reports: Sow Management List (Action Lists)

- The following management lists are very useful for the daily management of a swine operation.
- They can be used on a weekly basis to not only verify data integrity, but to also provide a glimpse to the extent of weekly tasks that need to be accomplished in order to keep non-productive sow days to a minimum.



The screenshot shows the 'Sow Management List' dialog box with a table of checkboxes and input fields. The table has columns for 'Include' and 'Toggle'. The rows are: Sows entered but not served, Sows served requiring heat checks, Sows served requiring pregnancy tests, Sows found not pregnant, Pre-farrow action list, Sows due to farrow, Sows farrowed but not weaned, and Sows weaned but not served. Below the table are input fields for 'Days after service for pregnancy check' (set to 14), 'Days before due date for pre-farrow action list' (set to 1), 'Period length for list (in week)' (set to 7), and 'Days before due date for due to farrow list' (set to 7). The 'Output device' is set to 'Screen'.

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Gilts Entered but not Served

- This report will show the ID, date entered into the herd, the days open, her age in days, and her group or location. This report is useful for keeping non-productive sow days to a minimum among gilts recently incorporated into the population.

ACTION LISTS
12 Dec 06 - 15 Jan 07 Printed: 12 Dec 06

Gilts entered but not served

SOW ID	ENTERED	DAYS OPEN	AGE (DAYS)	BARN	ROOM	PEN
V3088	12/9/2006	3	215			
V3089	12/9/2006	3	221			
V3090	12/9/2006	3	214			
V3091	12/9/2006	3	215			
V3092	12/9/2006	3	214			

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Sows Weaned but not Served

- This report includes the sow ID, date weaned, and the number of days the sow has been open since she was weaned last. This can be used to id those sows having a detrimental effect on the herd's average number of non-productive sow days, and can be used to verify that all mating events have been entered for weaned sows.

ACTION LISTS
12 Dec 06 - 15 Jan 07 Printed: 12 Dec 06

Sows weaned but not served

SOW ID	WEANED	DAYS OPEN	BARN	ROOM	PEN
V1991	12/7/2006	5		A	5
V2708	12/7/2006	5		A	1
V2807	12/7/2006	5		A	10
V2328	12/7/2006	5		A	2
V1152	12/11/2006	1		A	5

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Sows Served Requiring Heat Checks

- This list included the sow ID, the date the sow was last served, the number of times the sow was served after weaning, and the date she is expected to come back into heat if she is found not to be pregnant.

ACTION LISTS
12 Dec 06 - 15 Jan 07 Printed: 12 Dec 06

Sows served requiring heat checks

SOW ID	SERVED	NUMBER SERVICES	21 DAYS	BARN	ROOM	PEN
V2325	11/21/2006	1	12/13/2006		C	9
V2989	11/21/2006	1	12/13/2006		D	2
V3021	11/22/2006	2	12/13/2006			
V3072	11/22/2006	1	12/13/2006			
V2241	11/23/2006	1	12/14/2006		A	10

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Sows Due to Farrow

- This list includes the sow ID and date served, along with her due date. If a sow is overdue, then the number of days overdue is listed as well.

ACTION LISTS
12 Dec 06 - 15 Jan 07 Printed: 12 Dec 06


Sows due to farrow

SOW ID	SERVED	115 DAY DUE DATE	DAYS OVER DUE	BARN	ROOM	PEN
V2371	04/19/06	22/08/06	15		D	2
Y2812	12/4/06	05/04/06	7		D	2
Y2823	17/4/06	10/04/06	2		D	3
Y2729	22/4/06	15/04/06			C	9
Y2838	22/4/06	15/04/06			A	12

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Reports: Sow Cards

- The list of sows for which to create sow cards can be based on due dates, or can be individually entered
- Each sow cards will show the last six litters of the sow
- The bottom part of the sow card is to record farrowing, nursing and weaning performance and then be used for data entry



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SOW TRACKER

Print: Sample Print Licensed To: SOW Tracker User
Printed: 12 Dec 06

Name: V1152 Breed: 0000 Date: 12/11/06 Litter: 0000
 Weight: 150 Sex: F Color: 0000 Piglets: 0000
 Total Services: 0000 Total Days Open: 0000
 1st Service: 12/11/06 1st Day Open: 12/11/06
 2nd Service: 2nd Day Open:
 3rd Service: 3rd Day Open:
 4th Service: 4th Day Open:
 5th Service: 5th Day Open:
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 424th Service: 424

Boar Usage

The primary use of this report is to evaluate the relative use of boars (in numbers of matings) within a given time period. Information generated in this report may be useful for determining if a boar has been underused or overused, and it can be used to reconcile semen usage versus semen purchases.

BOAR USE						
31 Mar 06 - 31 Jul 06						
Farm: Test Farm						
						Licensed to: Demo
						Printed: 12 Mar 07
BOAR	Apr06	May06	Jun06	Jul06	TOTAL	% OF MATINGS

1Y	12	18	18	16	64	12.1
2BY	34	16	12	23	85	16.1
508	0	2	0	0	2	0.4
L27	52	41	54	24	171	32.4
L33	25	32	60	57	194	36.7
L34	12	0	0	0	12	2.3
TOTAL	136	129	144	120	529	100.0

BOARS LISTED: 6
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Sow Performance by Status

This report is typically utilized by managers for various reasons. One use of the report is to assist in mating decisions at weaning time based on a sow's lifetime performance.

SOW PERFORMANCE LIST												
Farm: Test Farm											Licensed to: Demo	
Status: WEANED											Printed: 12 Mar 07	
SOW ID	GENETICS	BOAR ID	FARROW DATE	LAST FARROW PERFORMANCE			TOTAL LITTER			AVERAGE PERFORMANCE		
				PARITY	TOTAL BORN	NET ALIVE	FWN	WNT	INTERNAL BORN	FWN	WNT	INTERNAL
W112	LY	2BY 2BY	15222	4	12	12	11	103.0	136	113.0	113.0	114.0
Y101	Y	L33 L33	15192	8	12	8	4	11	107.0	136	124.4	114.0
Y237	Y	2BY 2BY	15202	7	13	12	11	106.0	137	117.0	114.0	
Y267	Y	L33 L33	15200	4	15	12	8	83.0	140	130.0	103.0	
Y208	Y	2BY 2BY	15192	3	15	13	12	115.0	134	107.0	113.0	
Y273	Y	L33 L33	15262	3	10	10	10	136.0	136	105.0	97.0	
Y267	Y	2BY 2BY	15192	2	8	8	8	124.0	137	102.0	93.0	
Y208	Y	2BY 2BY	15192	2	10	10	9	124.0	136	110.0	105.0	
AVERAGES				4.1	12.3	10.8	4.0	10	126.8	127	117.0	108.0

SOW(S) LISTED: 10
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Litter ID Report

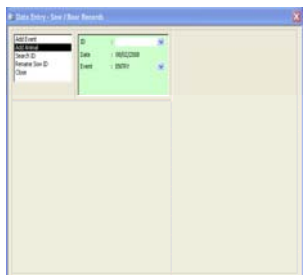
This is used as a tool for identification of gilt replacement candidates within the breeding herd. Once potential replacements are identified and retained in the herd, this report shows the true farrowing date, parentage and genetic line info to enter for each retained female.

LITTER IDS												
25 Jul 06 - 31 Jul 06												
Farm: Test Farm												
												Licensed to: Demo
												Printed: 12 Mar 07
LITTER ID	BIRTH DATE	SIRE (S)	DAM GENETICS	PARITY	NPDI	TOTAL BORN	BORN ALIVE	PIGS WND	ADU	LWT	WNT	WNT
4.5	7/25/06	L27 L27	V2755	Y	2	5	12	11	10	128.2		
Y13	7/25/06	2BY 2BY	V2726	Y	2	23	13	10	8	103.8		
Y14	7/25/06	2BY 2BY	V2724	Y	2	23	11	8	18	117.8		
Y13	7/25/06	2BY 2BY	V2515	Y	2	23	11	8	18	117.8		
4.8	7/25/06	L27 L27	V2726	Y	2	5	8	8	8	82.2		
4.3	7/25/06	L27 L27	V1992	Y	8	30	16	8	8	84.8		
Y16	7/25/06	2BY 2BY	V2514	Y	5	15	10	11	11	119.4		
4.11	7/25/06	L27 L27	V2638	Y	3	40	19	11	10	132.2		
4.8	7/25/06	L27 L27	V2727	Y	4	16	10	8	8	119.4		
4.8	7/25/06	L27 L27	V2533	Y	5	24	11	11	9	108.0		
4.1	7/25/06	L27 L27	V2611	Y	3	17	13	11	10	120.0		
Y17	7/25/06	2BY 2BY	V1974	Y	2	41	19	19	17	108.1		
Y18	7/25/06	2BY 2BY	V2728	Y	2	27	13	11	11	124.2		
Y18	7/25/06	2BY 2BY	V2462	Y	6	11	11	10	7	120.5		

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Data Entry: Overview


- Data Entry
 - Sow/Boar Records
 - Add Event
- Options:
 - Mating
 - Farrow
 - Wean
 - Removal
 - General Events: group, location, lost tag, treatment



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Data Entry: Example: Farrowing - Piglet Death - Wean

- Add Animal:
 - Sow ID: 9999
 - Date: 01/02/2007
 - Use drop-down to select ENTRY
- Add Event:
 - Sow ID: 9999
 - Date: 01/03/2007
 - MATING
 - Mating Type: At: Boar: Y6
- Add Event:
 - Sow ID: 9999
 - Date: 04/25/2007
 - FARROWING
 - 11 piglets
 - 1 stillborn
 - 0 mummies
- Add Event:
 - Sow ID: 9999
 - Date: 04/26/2007
 - PIGLET DEATH
 - 1 death - Accident
- Add Event:
 - Sow ID: 9999
 - Date: 05/16/2007
 - WEAN
 - 10 piglets



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Data Entry Q&A

Q: If I have a sow that farrowed 10 piglets, weaned 10 and then nursed on 6 piglets, what events would I use?
A: Farrow - Nurse Off 10 - Nurse On 6 - Wean 6

Q: If I have a sow that had 10 stillborn piglets, nursed on 8 piglets and then weaned 8 piglets, what events would I use?
A: Farrow 0 liveborn - Foster On 8 - Wean 8

Q: Do I need to enter a Recipient in the foster event?
A: Preferred.

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Converting PigCHAMP DOS data

- SowTracker will import existing data from PigChamp DOS
- Uses the existing data export report
 - Batch export option from the History report section of the Breeding Herd Reports
- Export data from PigChamp DOS to a text file
- Import the text file into SowTracker
- Program automatically imports and converts the data to SowTracker format (takes ~ 2-3 minutes)

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Converting Existing Data: PigCHAMP DOS (page 57 of User Manual)

- Step 1: Determine Data Directory
 - C:\PC410
- Step 2: Re-set Date Format
 - Month-Day

Converting Existing Data: PigCHAMP DOS

- Step 3: Select History report
 - Reports
 - Breeding Herd Reports
 - History
- History Report Properties
 - Beginning
 - End
 - All
 - Batch
 - History.txt

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Converting Existing Data: Importing Data (page 57 of User Manual)

- Open Swine Tracker Program
 - File Manager
 - Utilities
 - Delete All Data Database

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Converting Existing Data: Converting Data

- SowTracker-Utilities
 - File Management
 - Utilities
 - Import PC History
 - Browse to select History.txt file (likely C:/PC410)

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Conversion Q&A

Q: I converted, how do I know that data is in the database?

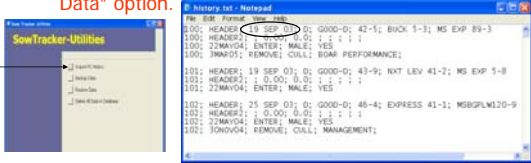
A: Run a IDs Report

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Conversion Q&A

Q: I converted, but no data is showing up in the program?

A: Double-check that the history.txt has the correct date format. Another option is to double-check that you used "Import PC History" instead of the "Restore Data" option.



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Conversion Q&A

Q: Can I convert from PigCHAMP Care 2.8 or Care 3000?

A: Not at this time.

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System Requirements for SowTracker®

- Program written in MS-Access
 - User does not have to purchase Access. Install a 'runtime' version that allows user to run program but not make changes
- Runs on WinXP, Vista, Win98 (need a special version)
- Runs on Access 2003, 2007

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Manual Installation Steps

- Make sure user has MS-Access
 - Install 'runtime' Access if they do not have
- Create 'c:\sowtracker' folder
- Copy thumbdrive contents of SowTracker folder to computer SowTracker folder
- Create a 'shortcut' to run the program from the computer screen (SowTracker2.37.mdb) executable program
- Automated installation CD coming soon

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Installation of SowTracker

(page 63 of User's Manual)

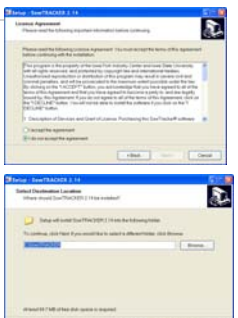
- Step 1: Insert CD
 - Insert CD into CD drive.
 - Open drive with CD.
 - Double click on Setup.2.14.exe file.
- Step 2: Setup Wizard
 - Click on "Next" button.



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Installation of SowTracker


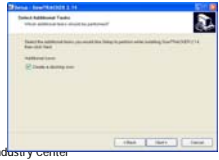
- Step 3: License Agreement
 - Click on the "I accept the agreement" and Click on Next.
- Step 4: Destination Location
 - Click on Next (this is selecting destination location)



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Installation of SowTracker


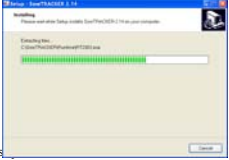
- Step 5: Start Menu
 - Click on next to setup on the Start Menu
- Step 6: Additional Tasks
 - Click on next to create a desktop icon

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Installation of SowTracker



- Step 7: Ready to Install
 - Click on install
- Step 8: Installing
 - Allow program to continue installation as normal

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Installation of SowTracker

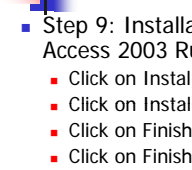



- Step 8: Runtime Wizard
 - If Access 2003 already installed
 - Click on CANCEL
 - Click on Yes
 - Continue to Step 10
 - If Access 2003 is NOT installed
 - Click on next
 - Continue to Step 9

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Installation of SowTracker

- Step 9: Installation of Access 2003 Runtime
 - Click on Install (1)
 - Click on Install (2)
 - Click on Finish (3)
 - Click on Finish (4)

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Installation of SowTracker

- Step 10: Setup Wizard
 - Click on Finish



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Installation Q&A

Q: Does it need to be licensed?
 A: It does not need to licensed annually.

Q: Can I get the program via floppy disks?
 A: No, program is too big to fit on a floppy disk.

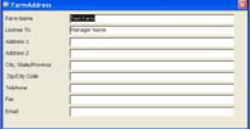
Q: Where / Who do I request the program from?
 A: John Mabry, PH: 515-294-4103

Q: What operating systems does it work on?
 A: Windows ME, Windows XP, and Vista. Operating system can be found from START – CONTROL PANEL - SYSTEM.

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Setting Up a New Farm: Customer Info


- Setup – Farm Information
- Enter appropriate info:
 - Farm Name
 - License To (customer name)
 - Address 1, 2, City, State, Zip
 - Telephone
 - Fax & Email



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Setting Up a New Farm: Farm Units


- Setup – Farm units
- Enter appropriate info:
 - Pig Weight Unit
 - Feed Weight Unit
 - Back Fat Unit
 - Currency name
 - Exchange Rate



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Setting Up a New Farm: Targets

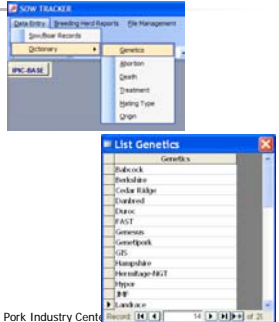
- Setup – Target Value
- Enter appropriate info:
 - Service targets
 - Farrowing targets
 - P/S/Y targets
 - Inventory targets
- Please keep in mind there are 45 pages of targets



Iowa Pork Industry

Dictionary

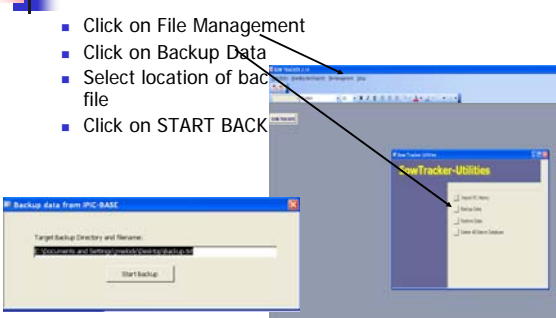
- SowTracker allows the producer to define operation-specific codes in six different categories:
 - Genetics
 - Abortion
 - Death
 - Treatment
 - Mating Type
 - Origin



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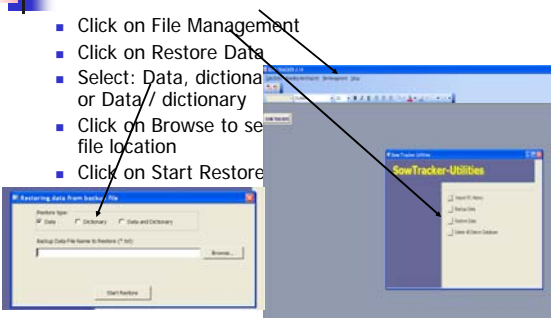
Backing Up


- Click on File Management
- Click on Backup Data
- Select location of backup file
- Click on START BACK




Restoring

- Click on File Management
- Click on Restore Data
- Select: Data, dictionary or Data/ dictionary
- Click on Browse to select file location
- Click on Start Restore





Questions?



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