



Smart Breeder™

ADVANCED PORK REPRODUCTIVE RECORDS

25 Years of Proven Aid to Progressive Producers

More than just breeding records, Smart Breeder has earned its distinction as a production management system. It's everything an operations manager or consultant wants in a breeding herd program. It gives you full genetic, health and reproductive histories on individual sows, boars and litters—in fact, all the essential reporting you'll ever need. It has speed and capacity for the largest herds, performs exclusive batch retrieval and processing and allows comparisons between and within herds. Smart Breeder in Windows offers you even more.

Smart Breeder Gives You Flexibility, Ease of Use, a Wealth of Reporting Opportunities, and Exclusive Integrating Ability

Smart Breeder is the complete management system you'll never outgrow. It works with genetic nucleus and commercial herds. It can give you an analysis by farm, building, group, bloodline, pen or individual. It even includes a sophisticated planning module. Here are more reasons why it makes your record-keeping easier and your data more meaningful:

- Prints work schedules and input forms
- Prints user-defined sow cards
- Built-in report generator
- User-defined work schedules and scoring
- Easily exports data to spreadsheets or graphs
- Handles inter-farm sow movements
- Automated reporting to Farm SERVEy dashboard
- Imports/exports PigCHAMP® 4.x data
- Imports PigCHAMP Care 3000 data
- Includes 32 industry-standard reports
- “Drill-down” and edit from any report
- Based on NPPC production standards

The Real Meat of any Production Program is Profit. And Profit is the Fuel of Growth.

That is the purpose of integrated production and financial records—to allocate costs and track profit. You can run Smart Breeder stand-alone or the first link in a chain of smoothly-joined systems to accomplish this aim. The other units are *Smart Feeder*™ and *TransAction Plus*™. Smart Breeder's breeding herd inventories link with *Smart Feeder*, FBS's feed and livestock inventory control system for herd cost analysis. These two modules share common setup information, so the data need be entered only once.

Smart Feeder, in turn, will integrate with FBS's accounting program, *TransAction Plus*, the standard of the industry. This allows you to monitor profitability.

Advanced **Multisystem integration**—an FBS exclusive—extends the value of individual systems and accomplishes the aim of a complete and effective management information system.

(More on the benefits of integration on the next page.)

Easy To See It's a System Designed By Pork Producers For Pork Producers

Compare all the features and benefits of Smart Breeder to those of other herd management systems and you'll find that it's not just the right one, it's the *only* one for you.

- Manage and report by farm, time period or group
- Built-in growth path to a full integrated system
- Value-priced, PLUS ...
- Expandable for network, Internet access and service-bureaus



Now, Let's Take a Closer Look at How Integrated Records Make Your Job Easier.

How many times do you find yourself inputting the *same* information into your records system?

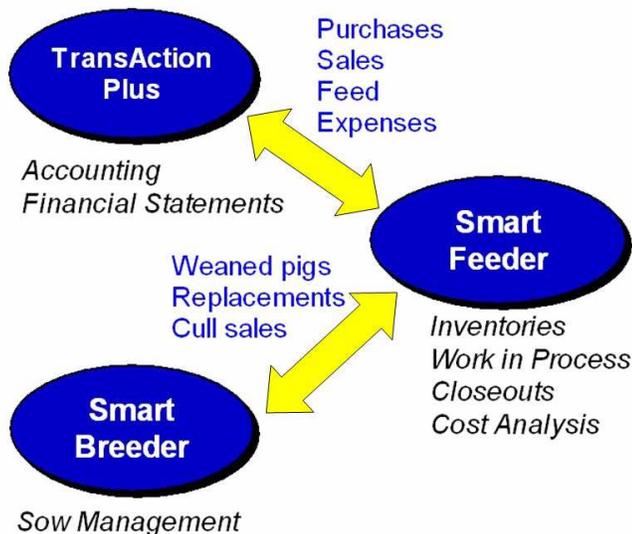
You should never have to load a set of data more than once. But if you're operating several programs, say production records, an accounting module and a spreadsheet—all stand-alone—this won't be the case. When you make an entry in one, you must repeat the step for the other two. Time-consuming. Unnecessary. And a higher risk of error.

And suppose you do make an error in a repetitive entry. Think of the extra time you'd spend in finding where you made the mistake and correcting it.

But if your programs were *integrated* or "linked," they would automatically *share* information. For example, when you record a sale in accounting, the entry simultaneously updates your production inventory. Multiple modules. *One* entry. We call it *SinglePoint™* data entry.

While you'd be cutting keyboard time by weeks through the year, your records would be more complete and accurate. And you could access them instantly at any time for urgent decisions.

FBS pioneered this concept 25 years ago and has taken it to levels that will probably never be matched.



Breeding herd activities in *Smart Breeder* integrate seamlessly with the *Smart Feeder* inventory control and feed management system, which in turn, is drives financial reporting through the FBS *Trans-Action Plus* and *e.CLIPSE* modules.

Others Sell You Software. We Offer SERVware

There's a difference. The software you choose to help run your farm should be thought of not as a product, but a *service*. True business software represents the service discipline in much the same manner as a records manager. Accountant. Financial analyst. Even an executive consultant. These are professionals you hire to enhance your management skills, minimize your production costs and build your bottom line.

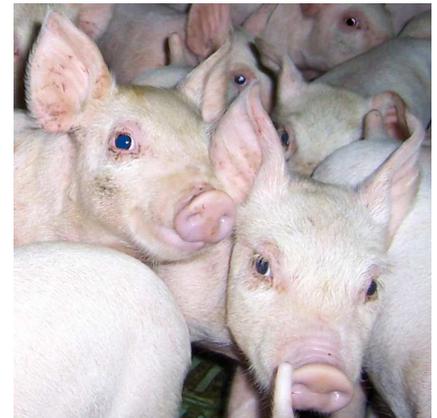
Sometimes this vital aide on a paper-thin disk needs the backing of able, responsive training and support. Again, we're talking *service*. SERVware from FBS. Unlike ordinary software, it's service, *all* service, from the beginning.

So, if you judge farm software solely on price, you may be settling for a mere product—like an item purchased at a discount store—and ignoring the singular quality that distinguishes the right choice. *Service*.

Don't Take Our Word For It; Talk To Our clients.

A number of pork producers who have used Smart Breeder for years would like to tell you about the system, how they use it and how it's helped them. A toll-free call to us will get you their names, addresses and phone numbers.

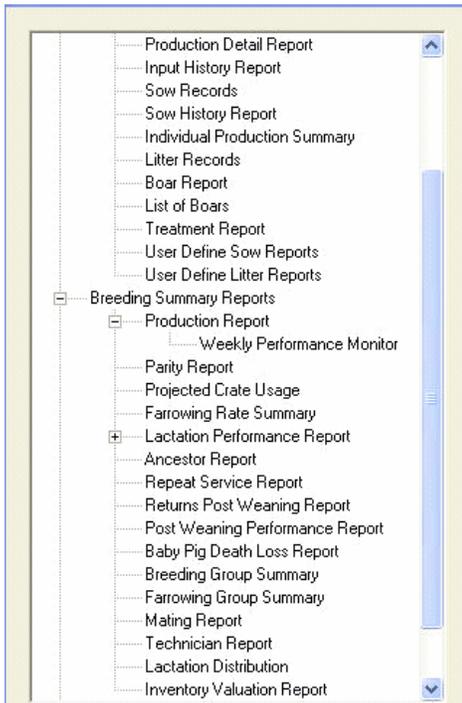
Smart Breeder 7.9 is a member of the FBS *Top ManAGement* Series, the upper echelon of farming's broadest line of advanced automated systems.



In addition to livestock production, you'll find programs for accounting and financial analysis, crop modules that map and keep track of landlord settlements, programs for dairy operations, even specialized or tailored packagers for lenders, farm managers and farm cooperatives.



Smart Breeder Includes 32 Customizable Windows Reports Based on National Pork Production Standards



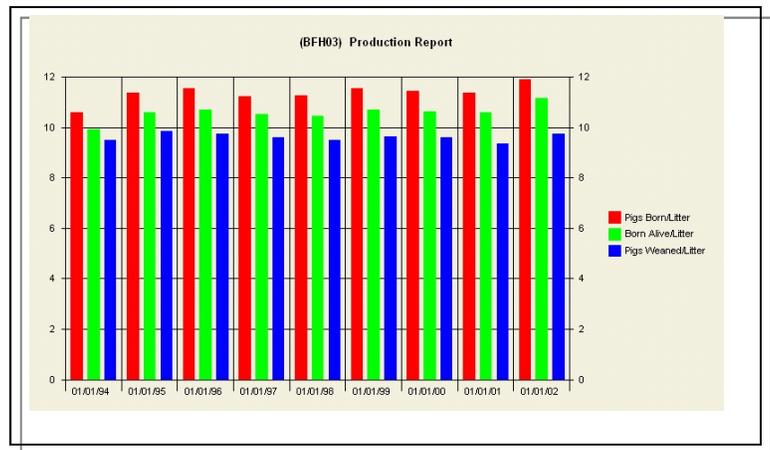
(BFH03) Farrowing Group Summary

Date	Sow ID	Par	Serv.	Born Live	Still	Mum.	Birth Weight	Tran In	Tran Out	Pigs Died	Pigs Weaned	Wean Weight	Date Weaned			
11/19/2003	A446	3	2	12	0	0	0	0	1	0	11	121	12/04/2003			
11/19/2003	A447	3	2	13	0	0	0	0	0	0	13	145	12/04/2003			
11/19/2003	A449	3	2	10	2	0	0	2	0	0	12	132	12/04/2003			
11/22/2003	A452	3	2	13	1	0	0	0	0	1	12	132	12/11/2003			
11/20/2003	A457	3	2	10	1	0	0	0	0	0	10	110	12/11/2003			
11/19/2003	A460	3	2	15	1	0	0	0	3	0	12	132	12/04/2003			
11/19/2003	A461	3	2	13	1	0	0	0	1	1	11	121	12/04/2003			
11/20/2003	A569	2	2	4	0	0	0	3	0	0	7	77	12/04/2003			
11/19/2003	A573	2	2	15	2	0	0	0	4	0	11	121	12/11/2003			
11/19/2003	A589	2	2	11	0	0	0	0	1	0	10	110	12/04/2003			
11/20/2003	A594	2	2	12	0	1	0	0	2	0	10	110	12/04/2003			
	A596	0	2										Recycled			
11/19/2003	A725	1	3	12	0	0	0	0	1	0	11	121	12/04/2003			
11/17/2003	A726	1	3	13	0	0	0	0	0	0	13	145	12/04/2003			
11/19/2003	A727	1	3	14	0	0	0	0	0	0	14	155	12/04/2003			
11/23/2003	A728	1	3	3	0	0	0	0	0	3	0	0	12/04/2003			
11/22/2003	A729	1	3	13	1	0	0	0	2	0	11	121	12/04/2003			
	A730	0	3										Recycled			
11/24/2003	A731	1	3	11	0	0	0	0	3	0	8	88	12/11/2003			
11/22/2003	A732	1	3	9	2	0	0	2	0	1	10	110	12/11/2003			
11/23/2003	C820	8	2	5	2	0	0	0	0	2	3	33	12/11/2003			
	C928	0	2										Culled			
Totals				35		381	37	1		20	40	10	351	35		
Averages						2.42	2.19	10.89	1.06	0.03	0	0.57	1.14	0.29	10.03	111

Farrowing Group Report traces "cohorts" from mating to weaning.

Customizable report menu increases productivity by organizing production and accounting functions.

Compare performance across multiple years and farms using reports, built-in graphs and quick export to spreadsheet programs.



(CRC07) Action Lists

Sow Id	Date Bred	Method	Date Open	Last Served
441	11/25/2006	Aborted	01/22/2007	58
2799	02/24/2007	Aborted	04/28/2007	63
3333	11/08/2006	Aborted	02/15/2007	99
4463	03/30/2007	Aborted	07/16/2007	108
6263	03/15/2007	Aborted	05/09/2007	55
6274	05/16/2007	Aborted	08/14/2007	90
7945	03/28/2007	Aborted	07/01/2007	95

A complete management system, Smart Breeder prepares "intelligent" worksheets and action lists.

"Drill-Down" Function Allows Queries and Editing Directly from Reports

Description	200304	200305	200312	200313	Totals
Prewean Mort. Rate	7.29	0.00	3.08	0.00	2.00
* TOTAL *					
Number Mated	39	38			
Repeat Services	3	5			
% mated by 7 days	63.33	71.88			
Wean to 1st serv.	8.50	7.92			
Preg check #1	37	38			
Pregnancy rate	100.00	97.37			
Preg check #2	36	35			
Pregnancy rate	100.00	97.14			
Litters Farrowed	33	33			
Pigs Farrowed	385	385			
Pigs Born/Litter	11.67	11.67			
Pigs Born Alive	349	358			
Born Alive/Litter	10.58	10.85			
Ave Lit. Birth Wt.	0.00	0.00			
Stillborn pigs	17	18			
Stillborn/Litter	0.52	0.55			
% of total births	4.42	4.68			
Mummies	19	9			
Mummies/Litter	0.58	0.27			
% of total births	4.94	2.34			
Farrowing interval	140.12	137.07			
Litters Weaned	33	33			
Pigs Weaned	359	338			
Pigs Weaned/Litter	10.88	10.24			
Weight/Litter	119.55	112.70			
21 Day Wt./Litter	142.52	136.76			
Wean/Lit. Farrowed	10.88	10.24	10.21	9.79	10.00
Prewean Mort. Rate	2.45	4.79	1.46	0.92	4.46

From any Smart Breeder report, right-click on a cell to drill down to animals included. You can then sort the list or right-click again on an individual animal to view or edit their records.

Current Center: 100 Gestn/Lact

Row	Sow ID	Date Wean	Litter ID	Tran In	Tran Out	Weaned	Weight
1	24	09/06/2006		0		12	0
2	892	09/06/2006		0	5	10	0
3	1475	09/06/2006		1	0	10	0
4	1697	09/06/2006		8	0	12	0
5	1714						
6	1782						
7	1860						
8	2439						
9	2458						
10	2712						
11	2957						

Row	Sow ID	Date Bred	Boar #1	Boar #2	Boar #3	No.	Boar ID	AI	Tech	AM/PM
1	16	08/20/2007	AI			1		AI		AM
2	29					2		** AI **		PM
3	39					3		** AI **		
4	64									
5	108									
6	174									
7	176									
8	213									
9	232									

Select individual sows from a pick list to enter any type of event..

Or save time by recording events by group off of work-sheets and linking directly with Smart Feeder location/group inventories.

Description	200614	200615	200616	200617	200618	200619	200620	200621
* TOTAL *								
Number Mated	424	303	456	367	393	323	325	370
Repeat Services	51	54	61	58	46	54	55	53
% Mated by 7 Days	61.00	59.16	68.28	62.96	77.29	69.17	69.47	68.82
Wean to 1st Serv.	9.44	10.25	9.18	9.38	6.44	8.57	8.11	7.64
Preg Check #1	0	0	1	0	0	0	1	0
Pregnancy Rate	0.00	0.00	100.00	0.00	0.00	0.00	100.00	0.00
Preg Check #2	2	15	19	24	16	10	9	8
Pregnancy Rate	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Litters Farrowed	307	205	357	277	301	261	256	294
Pigs Farrowed	3,356	2,485	4,161	3,460	3,589	3,223	3,069	3,521
Pigs Born/Litter	10.93	12.12	11.66	12.49	11.92	12.35	11.99	11.98
Pigs Born Alive	3,183	2,347	3,884	3,166	3,231	2,843	2,804	3,166
Born Alive/Litter	10.37	11.45	10.88	11.43	10.73	10.89	10.95	10.77
Ave Lit. Birth Wt.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stillborn Pigs	135	106	196	176	235	214	181	235
Stillborn/Litter	0.44	0.52	0.55	0.64	0.78	0.82	0.71	0.80
% of Total Births	4.02	4.27	4.71	5.09	6.55	6.64	5.90	6.67
Mummies	38	32	81	118	123	166	84	120
Mummies/Litter	0.12	0.16	0.23	0.43	0.41	0.64	0.33	0.41
% of Total Births	1.13	1.29	1.95	3.41	3.43	5.15	2.74	3.41
Farrowing Interval	143.93	147.97	147.17	147.29	143.52	144.06	143.75	144.75

Industry-standard reports that do so much more! Here's a Production Report (**Performance Monitor**) that can compare up to 104 periods or cohorts and supports interactive drill-down and export capabilities.

(CRC06) Move Sows from Center: 100 Gestn/Lact

Source

Sow range: 38??

Location range: 0-zzzzzz

User 1 range: 0-zzzzzz

User 2 range: 0-zzzzzz

Removal reason: 0 First Removal Reason

Destination

Farm: SCP - Silver Creek, Ptg

Center: 100 Gestn/Lact

3601
3602
3603
3604
3605
3606
3609
3610
3612
3613
3614
3616
3617
3620
3622
3623
3625
3627
3628
3629
3630

Move Sows Cancel

Batch move animals and their data between farms. Full historical reporting is always available for either farm.

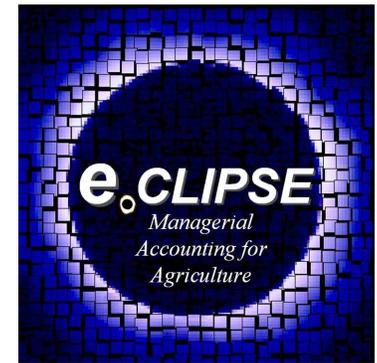
Age	Count	Percent	Percentage Bar Graph
13	7	0.51	*
14	7	0.51	*
15	15	1.10	***
16	22	1.61	*****
17	26	1.90	*****
18	33	2.41	*****
19	51	3.73	*****
20	107	7.82	*****
21	212	15.50	*****
22	262	19.15	*****
23	276	20.18	*****
24	173	12.65	*****
25	81	5.92	*****
26	27	1.97	*****
27	7	0.51	*
28	7	0.51	*

Lactation Distribution Report.

Mated Breeding Females	Number
Beginning Inventory	6,703
Animals Moved In	2,416
Animals Died	483
Animals Moved Out	1,568
Ending Inventory	7,068
Unmated Breeding Females	Number
Beginning Inventory	100
Animals Moved In	3,325
Animals Died	17
Animals Moved Out	2,582
Ending Inventory	826
Boars	Number
Beginning Inventory	1
Animals Moved In	0
Animals Died	0
Animals Moved Out	0
Ending Inventory	1
Premeaned	Number
Beginning Inventory	9,217
Pigs Farrowed	133,716
Animals Died	13,770
Pigs Weaned	119,829
Ending Inventory	9,334

FBS Smart Feeder Inventory Report precisely consolidates individual/litter data from Smart Breeder.

Translate Your Breeding Data Directly into Financial Analysis through the e.CLIPSE Managerial Accounting Module.



Track costs of production in real time using the e.CLIPSE module which automatically adjusts financial statements to reflect preweaned gestating and lactating inventories and precisely matches production costs to each batch of weaned pigs.

(CRC06) Current Totals Entry 1 of 4
 Center: 100 Gestn/Lact
 Cost/Head: 21.94 (0.00 /21.94)
 100 Gestn/Lact - 10 E

	August	September	October	November	December	January	February	March	April	May	June	July
Number out	0	0	5,627	9,645	9,948	11,733	10,334	11,459	10,938	13,134	13,393	12,829
Equivalent unit change	4,059	1,583	3,015	707	1,514	-208	275	118	2,058	-971	-276	1,204
Feed	4.62	20.56	7.35	7.11	6.33	6.83	7.10	7.47	7.10	7.67	6.37	5.48
Drugs/Medication	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Freight Income	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cull Sow Sales	0.00	-1.02	-1.71	-2.90	-2.93	-2.84	-1.21			-2.02	-1.98	-2.80
Breeding Stock Dep.	0.00	0.00	5.52	2.38	2.38	2.39	0.00			2.27	1.72	0.00
Semen	6.31	20.15	2.47	2.39	2.29	1.95	2.03			1.89	2.24	1.54
Animal Health	4.02	9.97	1.89	1.52	1.42	1.41	1.39			1.34	1.20	1.16
Vet Services	0.67	1.66	0.31	0.25	0.24	0.28	0.28			0.27	0.24	0.23
Facilities	40.17	99.69	18.87	15.24	14.23	14.15	13.88			13.41	12.03	11.62
General Pork	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
Transportation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
Purchases												
Sales Reducer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
Dollars/Head	55.80	151.00	34.71	26.00	23.95	24.17	23.47	23.59	23.00	24.83	21.81	17.23
Total Dollars	226,494.07	239,038.99	299,923.91	269,120.44	274,479.58	278,547.13	249,046.08	273,085.05	298,948.96	302,013.74	286,114.83	241,746.88
Ave Dollars/Head					36.26	31.24	26.07	24.21	23.62	23.81	23.31	21.94

Change in Preweaned Inventory from Breeding Software Affects Pig Costs

Monthly "Smoothed" Weaned Pig Cost

Projection for Center: 1004 Mighty Sow (Year = 2005)

	16	17	18	19	20	21	22	23	24
	4/10	4/17	4/24	5/01	5/08	5/15	5/22	5/29	6/05
Breeding									
Sows bred	117	102	113	114	117	103	104	104	104
Gilts bred	29	47	33	31	29	46	44	44	44
Repeats	18	20	16	19	20	18	20	20	20
Sow Con. %	90	90	90	90	90	90	90	90	90
Gilt Con. %	80	80	80	80	80	80	80	80	80
Farrowing-Sows									
Lit. farrowed	82	81	103	103	103	71	98	93	86
Live/litter	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Still/litter	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Mummy/litter	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baby pigs died	110	110	110	110	110	110	110	110	110
Lit. weaned	94	90	93	82	81	103	103	103	71
Weaned/litter	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60
21 day wt/litter	145	145	145	145	145	145	145	145	145
Farrowing-Gilts									
Lit. farrowed	59	47	25	25	25	57	30	35	42
Live/litter	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Still/litter	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Mummy/litter	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baby pigs died	0	0	0	0	0	0	0	0	0
Lit. weaned	32	51	47	59	47	25	25	25	57
Weaned/litter	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60
21 day wt/litter	145	145	145	145	145	145	145	145	145
Adds & Culls									
Sows culled	19	35	35	37	23	35	35	35	35
Gilts added	23	35	19	22	26	36	36	36	38
Boars culled	0	0	0	0	0	0	0	0	0
Pigs weaned	1083	1213	1204	1212	1101	1101	1101	1101	1101

Currently bred **To make 1100 / week weaning target**

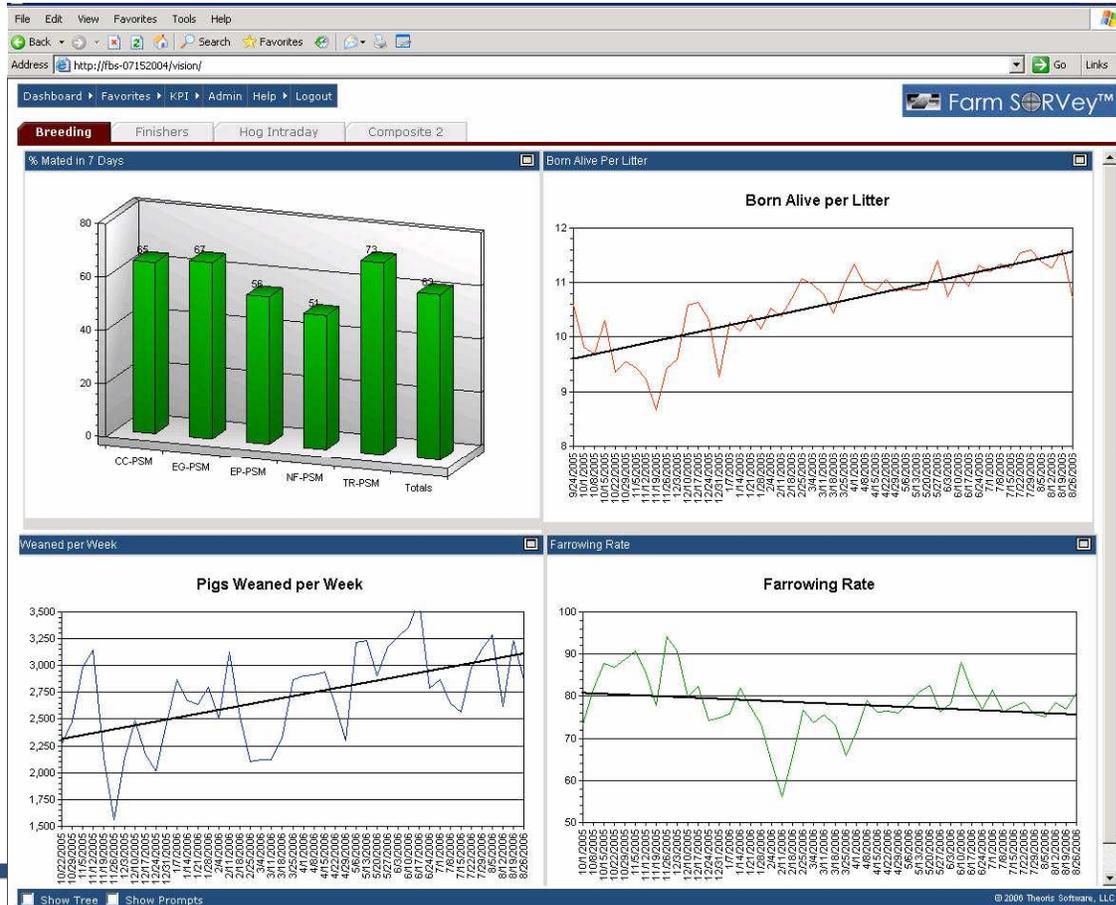
The built-in Smart Breeder Planning Module prepares "rolling forecasts" of expected pig flow from actual data and models replacement animals required to make targets.

It synchronizes with the Smart Feeder Planning module to continue "downstream" pig flow, feed requirements and sales projections and the LifeCycle Budget module for comprehensive financial forecasting.



Executive Dashboard: The Capstone of your Pork M.I.S.

- Graphical Key Performance Indicators from Smart Breeder, other FBS programs, spreadsheets, databases and websites
- Web browser-based for easy access from anywhere
- Secure views customized for each user
- Totally automated updating extracts and appends production and financial data
- Combine and compare herds
- Customizable SQL database
- Drill-down through reports and graphs
- User-defined alerts and scoring



Farm SORvey is the "smart" way to generate real time graphical and statistical analysis. Here's an example of a **Statistical Process Control** chart refreshed automatically from Smart Breeder.

Innovative, Economical, Integrated Data Collection Option



Farm No: _____ Year/Week: _____							Farm No: 910 Year/Week: 2007/17						
Tattoo No.	Female Type	Breed Date	Semen Bat h	Te h No.	Breed Date	Ser	Tattoo No.	Female Type	Breed Date	Semen Bat h	Te h No.	Breed Date	Ser
632430	2	996	9963	3	997	996	632430	2	996	9963	3	997	996
632525	2	996	9963	8	997		632525	2	996	9963	8	997	
618263	1	996	9963	3	997	996	618263	1	996	9963	3	997	996
605714	1	996	9963	8	997	996	605714	1	996	9963	8	997	996

Requiring no special training or skills and costing under \$200.00, **PigPEN** stores data as you complete paper forms such as mating worksheets (above) and sow cards. When the pen is docked to a computer the handwritten records are converted to digital data that can be reviewed and imported directly into Smart Breeder, cutting steps and errors in the barn and office.

Smart Breeder Technical Specifications

Licensing	By farm, by concurrent user. Perpetual on-site or hosted subscription.
Database	MS Access Standard, MS SQL Server Optional.
Multi-user capability	Uses record-locking and optional high security settings.
Herd capacity	100 sow centers with unlimited capacity,
Input options	Mate, Farrow, Wean, Partial Wean, Pig Deaths, Wean Nurse Litter, Events, 30/50/80 Day Pregnancy Check, Input by Individual Sow, Reset Litter Count, Recalculate Indexes and Group, Move Sows to New Farm
Edit options	Add/Delete Animals, Edit Sows (and all activities), Edit Boars (and treatments), Edit Litters, Retag Sows, Retag Boars
Detail Reports	Production Detail, Input History, Sow Records, Sow History, Individual Production Summary, Litter Records, Boar Report, List of Boars, Treatment Report
Summary Reports	Production Summary, Parity, Projected Crate Usage, Farrowing Rate Summary, Lactation Performance, Ancestor, Repeat Service, Returns Post Weaning, Post Weaning Performance, Baby Pig Death Loss, Breeding Group Summary, Farrowing Group Summary, Mating, Technician, Lactation Distribution, Inventory Valuation
Database Reports	User Defined Sow, User Defined Litter
Forms and Worksheets	Worksheets and Work Schedules, Sow Cards (7 formats), Death/Removal Input Forms, Action Lists, Litter Entry Sheet, PigPEN forms
Data Import options	Imports PigCHAMP 4, PigCHAMP Care 3000, Excel
Data Export options	PigCHAMP 4 Batch Input, Excel, Windows Clipboard
Integrates with	Smart Feeder, TransAction Plus (accounting) through E.CLIPSE, Farm SeRVey dashboard



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