



Better Analysis of Herd Survival Can Improve Your Bottom Line

- Am I losing too many fresh cows or fresh heifers?
- Are there seasonal patterns to my losses of fresh cows?
- Why are my fresh cows leaving?

Introducing the Survival Analysis Report

SURVIVAL ANALYSIS		Test Date: 06-02-2009				55-99-9999				Page 1 of 4			
DHI-232		Processed: 06-03-2009				HENRY SMITH							
Month of Calving	Jun 2008	Jul 2008	Aug 2008	Sep 2008	Oct 2008	Nov 2008	Dec 2008	Jan 2009	Feb 2009	Mar 2009	Apr 2009	May 2009	
30 Day %	6.9	11.1	7.8	10.3	11.9	5.6	4.0	4.6	1.6	8.7	3.7		
60 Day %	10.3	12.7	10.9	10.3	15.3	7.0	5.3	6.1	3.2	8.7			
Days	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	
1-30	29 2 63 7	64 5 68 7	59 2 61 7	52 2 67 1	73 1 63 1	61 1 62 1	62 1 23 2	27 1 22 2					
31-60	27 1 56 1	57 2 61 2	50 59 7 71 4	76 3 66 3	62 1 61 1	60 1 59 1							
61-90	26 26 55 1	57 2 61 2	50 66 1 72 1	62 2 60 1	59 1 62 1								
91-120	26 1 54 1	55 59 3 50 65 1	71 2 60 1	59 1									
121-150	25 25 53 2	55 56 50 1 64 3	69 1 59										
151-180	25 25 51 3	53 53 1 55 45 1 60											
181-210	25 1 48 1	52 2 55 1 44 1											
211-240	24 1 47 1	50 2 54											
241-270	23 23 46 3	48 2											
271-300	23 23 43 1												
301-330	23 23 1												
331-360	23 23 1												

Lactation 2+	
% Left by 30 Days	7.0
% Left by 60 Days	8.7

Month of Calving	Jun 2008	Jul 2008	Aug 2008	Sep 2008	Oct 2008	Nov 2008	Dec 2008	Jan 2009	Feb 2009	Mar 2009	Apr 2009	May 2009
30 Day %	4.6	3.6	4.2	8.0					4.0		4.0	
60 Day %	9.1	3.6	8.3	12.0					4.0			
Days	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left	InHerd: Left
1-30	22 1 28 1	24 1 25 2 30 37 34 34	25 1 30 37 34 34	24 1 30 37 34 34	25 1 30 37 34 34	24 1 30 37 34 34	24 1 30 37 34 34	24 1 30 37 34 34	24 1 30 37 34 34	24 1 30 37 34 34	24 1 30 37 34 34	24 1 30 37 34 34
31-60	21 1 27 1	23 1 23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34	23 1 30 37 34 34
61-90	20 20 27 22	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
91-120	20 20 27 22	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
121-150	20 20 27 22	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
151-180	20 20 26 22	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
181-210	20 20 26 22	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
211-240	20 20 26 22	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
241-270	20 20 26 22	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
271-300	20 20 24 20	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
301-330	20 20 24 20	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34
331-360	20 20 24 20	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34	22 22 30 37 34 34

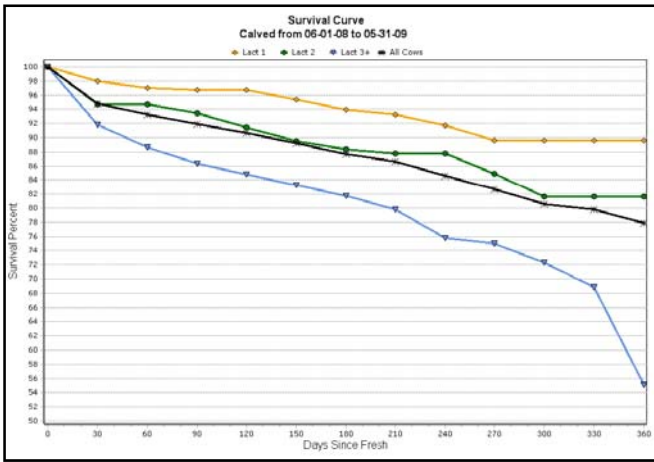
  

Lactation 1	
% Left by 30 Days	2.0
% Left by 60 Days	3.2

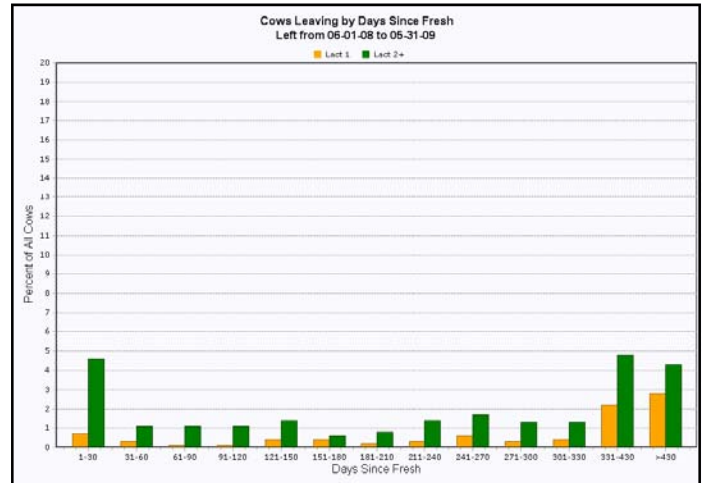
The count of cows "Left" does not include sold for dairy.

Page 1 - Survival Chart

- Cows are separated by lactation (1st and 2nd+) and are grouped by month of calving
- At the top of each column, the percent of cows leaving by 30 DIM (days in milk) and 60 DIM are listed
- Cows remaining in the herd are listed by days in milk for each column (month of calving)
- Rolling Left by 30 or 60 Day % (at lower right) are calculated using all cows in the last 365 days
- Use this chart to identify season and crowding issues that affect culling practices



Page 2 - Survival Curve



Page 3 - Bar Graph

Reasons Left by Days Since Fresh Left from 06-01-08 to 05-31-09											
Lact 2+	Feet & Legs	Dairy	Low Prod	Repro	Injury/Other	Died	Mastitis	Disease	Udder	Not Reported	Totals
1-30	4		7			23	2	7	1		44
31-60	2		1			3	3	2			11
61-90						8	2	1			11
91-120	1		2			2	1	4	1		11
121-150	2	1	1		1	3	3	3			14
151-180	1		2	1		1	1				6
181-210			1	1	1	3	1	1	1		8
211-240	3		1	1		1	4	3			13
241-270	5		3	4		1	2	1			16
271-300			5	6		1					12
301-330	1			3	1	3	3		1		12
331-430	2		2	25		11		2	4		46
> 430	2		1	27		5	4		2		41
<b>Totals</b>	<b>23</b>	<b>1</b>	<b>26</b>	<b>66</b>	<b>2</b>	<b>64</b>	<b>25</b>	<b>25</b>	<b>11</b>		<b>245</b>
Dry			1	3	1	13	1	2			21

Total Cows	RHA	% Left by		Monthly
Test Day		30 Day	60 Day	Turnover Rate
969	963.1	5.3	6.7	2.9

Lact 1	Feet & Legs	Dairy	Low Prod	Repro	Injury/Other	Died	Mastitis	Disease	Udder	Not Reported	Totals
1-30						2	3		2		7
31-60					1	1		1			3
61-90							1				1
91-120							1				1
121-150	1				1	1	1				4
151-180					1	2		1			4
181-210				1							2
211-240				1	1	1		1			3
241-270	1			3	1	1	1				6
271-300						1	2				3
301-330	1			2		1					4
331-430			1	18		1			1		21
> 430			1	24		2					27
<b>Totals</b>	<b>3</b>	<b>2</b>	<b>50</b>	<b>5</b>	<b>13</b>	<b>7</b>	<b>3</b>	<b>3</b>			<b>86</b>
Dry				4		2			1		7

Page 4 - Reasons Left

### Page 2 - Survival Curve

- A curve is generated using cows survived divided by the total calved in the last 12 months
- Four curves represent lactation 1, lactation 2, lactation 3+, and all cows
- The curves accurately represent the fraction of cows remaining in the herd by DIM

### Page 3 - Bar Graph

- All cows leaving herd in the last 12 months are displayed as a percentage of the total cows in the herd by DIM and lactation group
- Population in this graph is based on the rolling yearly average number of cows in the herd
- Bars exceeding 2% in any range indicates excessive turnover; however, turnover usually increases for cows in late lactation

### Page 4 - Reasons Left

- The final chart displays cows left in the last 12 months by primary reason
- Data is summarized by DIM and lactation group to accurately express when turnover occurred
- Total cows dry prior to leaving are listed for each reason
- Test day and rolling average numbers of cows are also listed
- Rolling 30 and 60 Day % Left are calculated for the entire herd

## Get the Survival Analysis Report (DHI-232)

If you want to receive the report each test, just tell your DHI Technician to enroll you on the 232 report. The cost is 3¢ per cow per test with a \$20 maximum fee.

We think you and your consultant will find it a powerful tool to help you make better culling decisions, prevent involuntary culling and improve the profitability of your herd.