

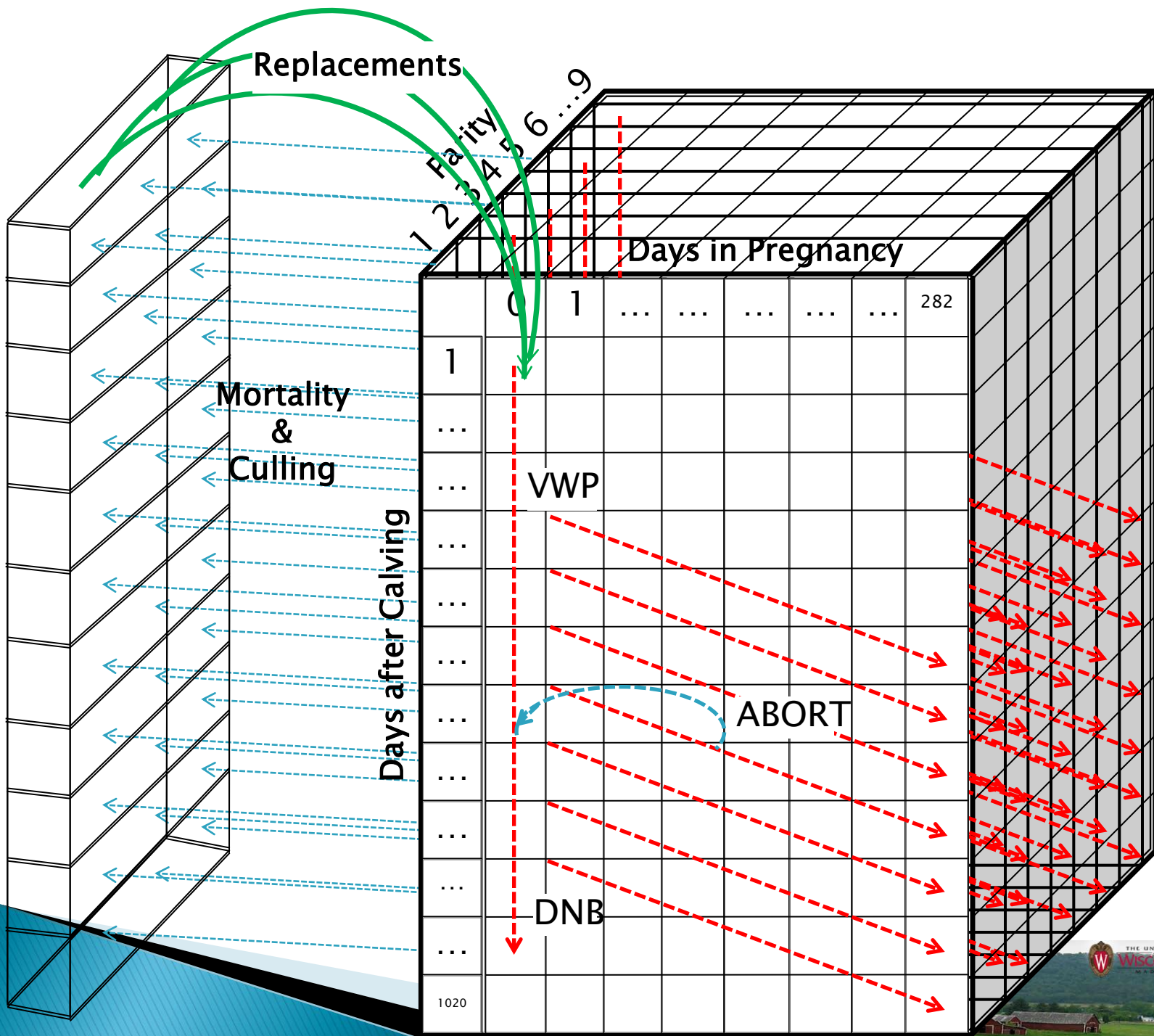


# Dairy Reproductive Economic Analysis

4-State Dairy Nutrition and Management Conference  
Planning Meeting  
6 May 2011, Dubuque IA

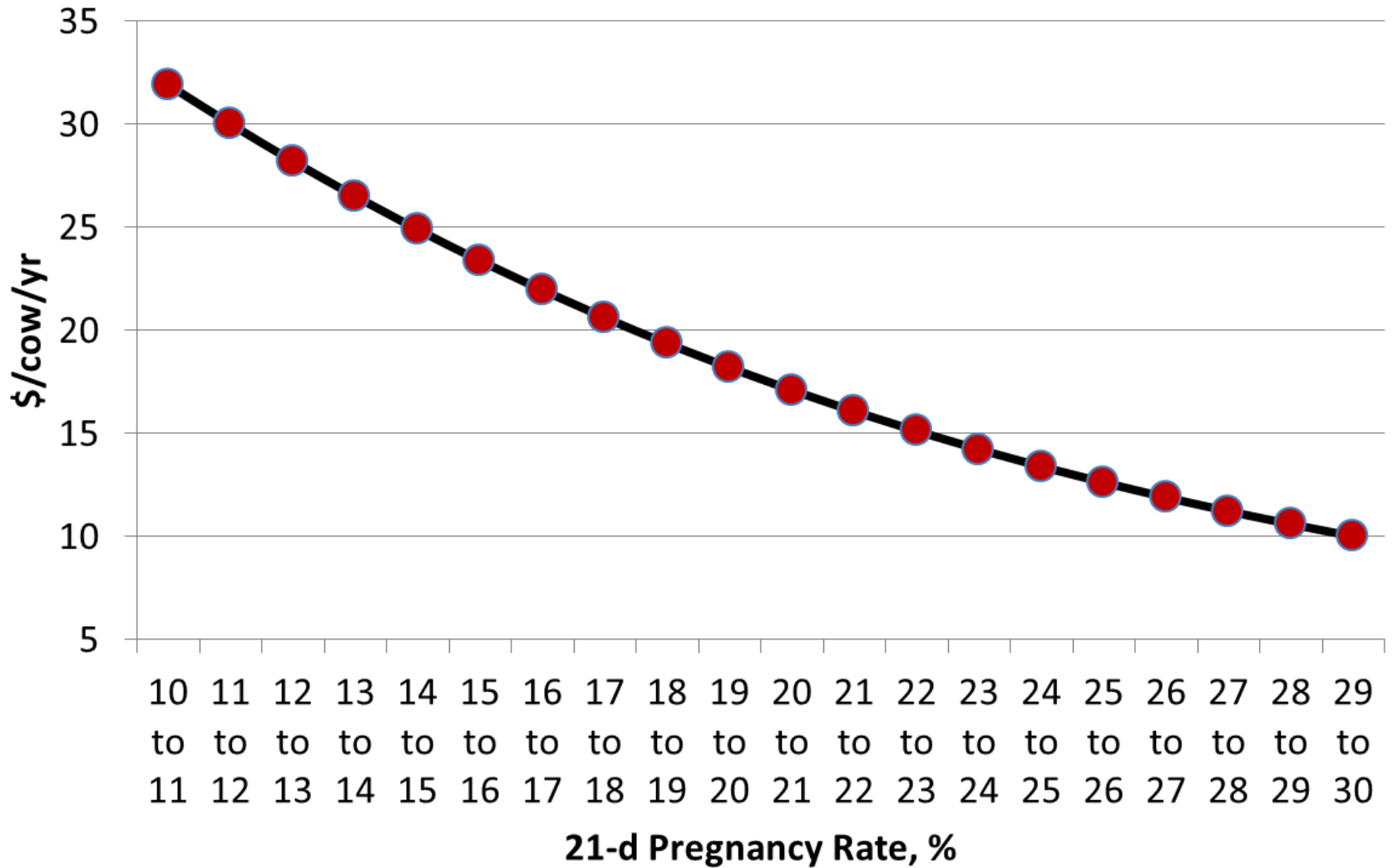
# Calculating the Value of 21-d PR





# The Economic Value of Improving 21-d PR





# The Decision Support System

➤ DairyMGT.info

➤ Tools

➤ Reproduction

➤ Video Tool Description

➤ Web Demonstration

**Dairy Reproductive Economic Analysis**

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Overview Upload Repro Abort Cull Milk Economics Run Model Results Analyze

Total Number of Cows	100
Iterations Performed	737
Reached Steady State	YES

	Total Revenues & Costs				
	IOFC	Cull	Repro	Calves	Net Return
\$/herd/month	15128.81	-1353.02	-932.8	1048.08	13891.07
\$/herd/day	504.29	-45.1	-31.09	34.94	463.04
\$/cow/year	1840.67	-164.62	-113.49	127.52	1690.08

Month in Milk	Month in Pregnancy									Cull Cows	Revenues & Costs (\$)				
	0	1	2	3	4	5	6	7	8		9	IOFC	Cull	Repro	Calves
	Lactation 1														
1	3.54									0.14	422.47	-69.93	0.00	0.00	
2	3.39									0.09	489.30	-45.44	84.80	0.00	
3	2.70	0.59								0.06	466.27	-27.96	67.62	0.00	
4	2.17	0.48	0.59							0.05	438.04	-24.08	54.34	0.00	
5	1.77	0.38	0.47	0.57						0.04	410.78	-20.87	44.17	0.00	
6	1.45	0.31	0.38	0.46	0.55					0.04	385.40	-19.18	36.26	0.00	
7	1.20	0.26	0.31	0.37	0.44	0.54				0.04	358.39	-18.42	29.94	0.00	
8	0.99	0.21	0.25	0.30	0.35	0.43	0.53			0.04	330.60	-17.73	24.73	0.00	
9	0.82	0.17	0.21	0.24	0.29	0.35	0.43	0.53		0.04	302.77	-17.76	20.42	0.00	
10	0.67	0.14	0.17	0.20	0.24	0.28	0.34	0.42	0.52	0.04	190.20	-18.69	16.84	0.00	
11	0.55	0.12	0.14	0.17	0.20	0.23	0.28	0.34	0.42	0.58	102.51	-20.39	13.84	103.04	
12	0.01	0.12	0.14	0.16	0.19	0.23	0.28	0.34	0.41	0.03	29.79	-8.72	0.00	82.79	
13	0.01			0.11	0.13	0.16	0.19	0.23	0.27	0.33	0.03	13.03	-6.91	0.00	66.52
14	0.01				0.11	0.13	0.16	0.19	0.22	0.27	0.02	0.47	-5.37	0.00	54.08
15	0.00					0.11	0.13	0.15	0.19	0.22	0.01	-8.44	-4.10	0.00	44.37
16	0.00						0.11	0.13	0.15	0.18	0.01	-14.17	-3.05	0.00	36.57
17	0.00							0.10	0.13	0.15	0.00	-17.51	-2.18	0.00	30.16
18	0.00								0.10	0.12	0.00	-19.11	-1.41	0.00	24.85
19	0.00									0.10	0.00	-8.57	-0.68	0.00	20.41

Thanks

