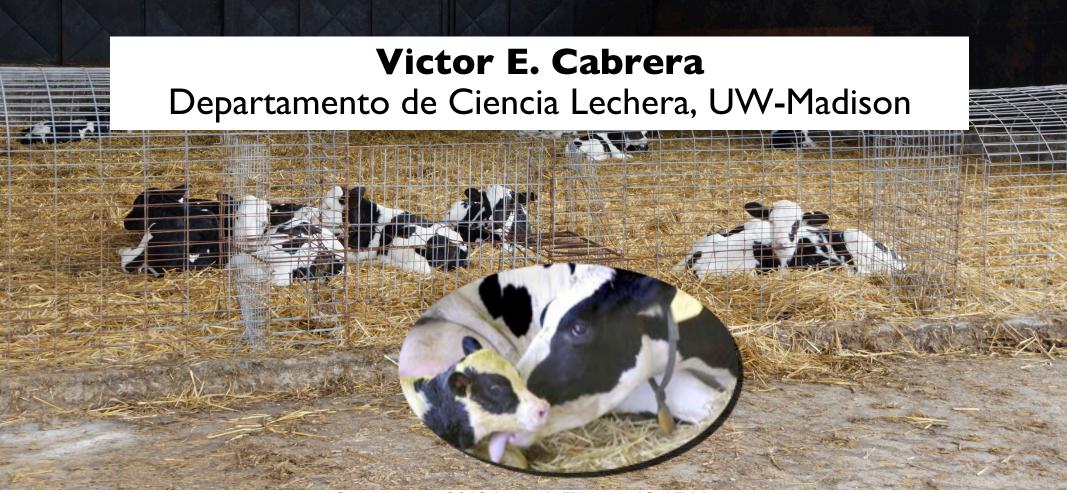
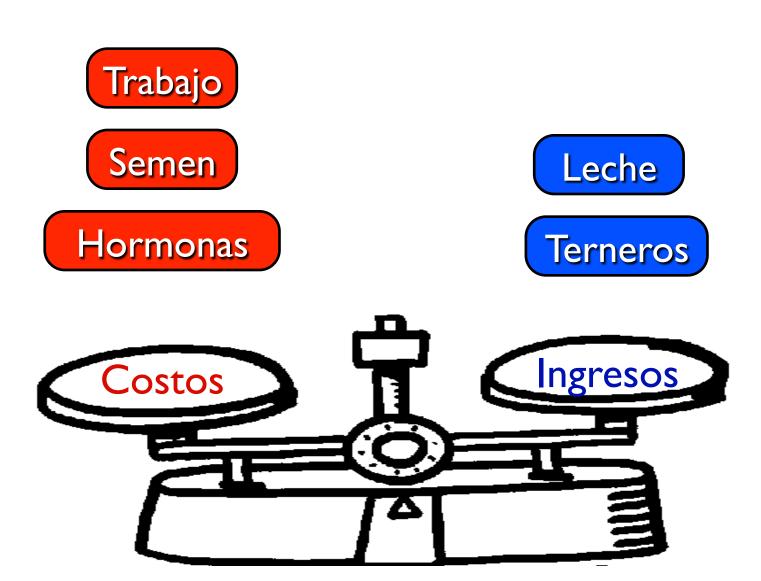




Valor Económico de los Programas de Manejo Reproductivo.



Preñez vs. Dinero



Objetivo



Desarrollar una Herramienta de Apoyo para la Toma de Decisiones para evaluar el Valor Económico de los Programas de Manejo Reproductivo en un predio lechero.

Sistema de Toma de Decisiones

Realice sus propios cálculos

Valor vaca es predio específico

Cada predio es diferente









Condiciones prediales cambian dinámicamente

Valor vaca y ingreso neto por vaca cambian

Condiciones de mercado cambian permanentemente

Impactan las decisiones



Aplicación amigable con el usuario

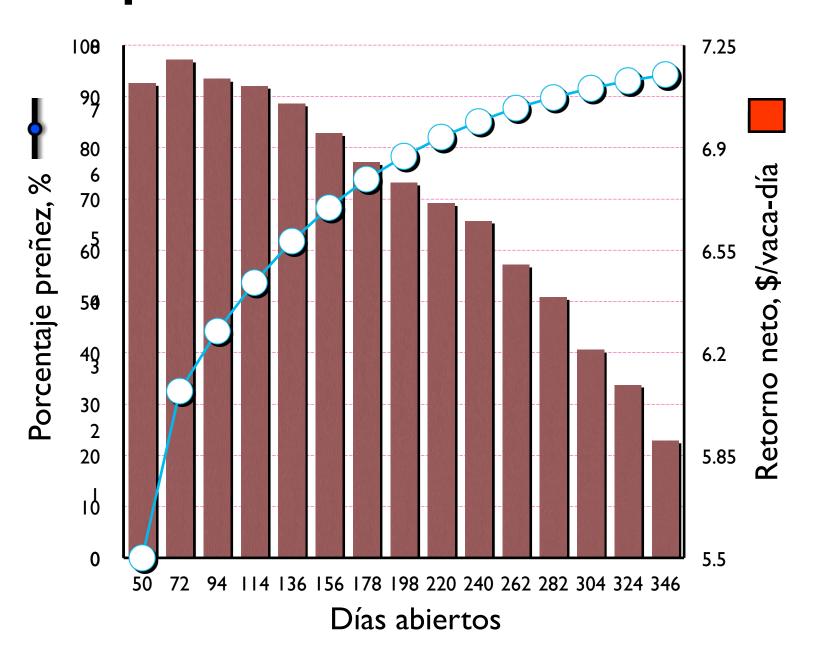
Fácil de usar, sólida

Valor Monetario Esperado (VME)

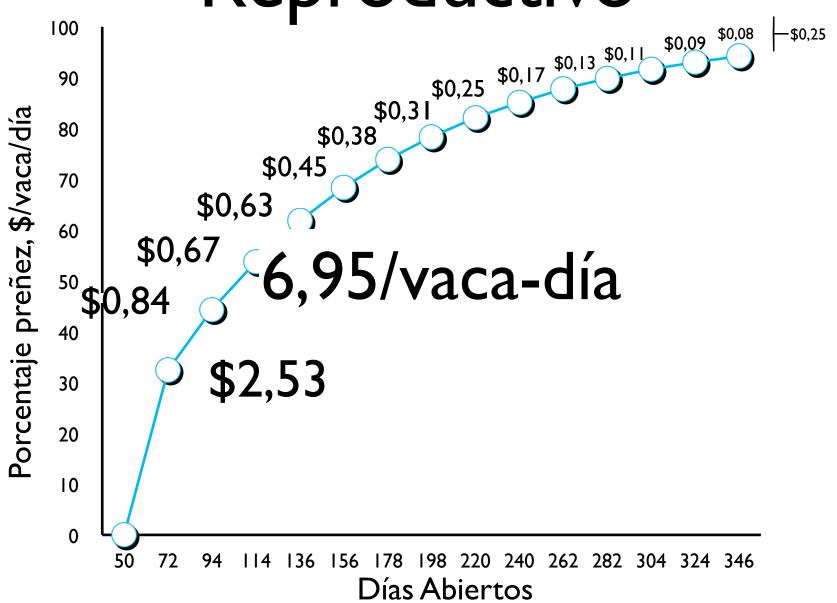
Diferencia de valor entre las entradas de efectivo y las salidas de efectivo para diferentes estrategias de manejo reproductivo.



Reproducción vs. Utilidad

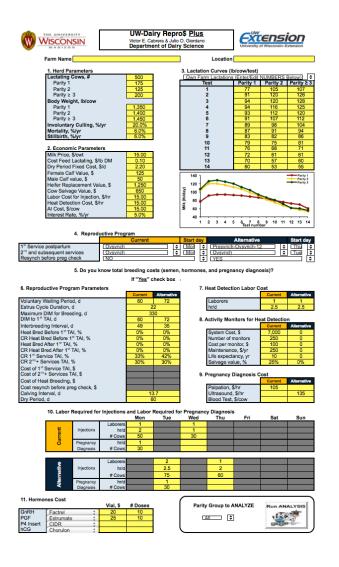


Valorización de un Programa Reproductivo



UW-DairyRepro\$Plus Was to Base of the State of the

UW-DairyRepro\$Plus



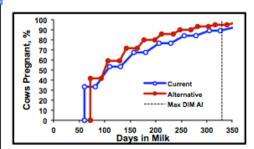


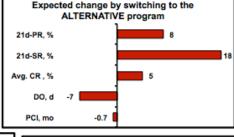
UW-Dairy Repro\$ Plus
Victor E. Cabrera & Julio O. Giordano
Department of Dairy Science

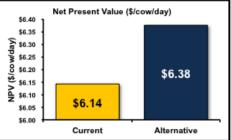


Reproductive Programs Summary

	Current	Alternative		
1 st Service Postpartum	Ovsynch	Presynch- Ovsynch-12		
2 nd and Following Services	Ovsynch Ovsync			
Voluntary Waiting Period, d	60	72		
Maximum DIM for Breeding, d	33	30		
DIM 1st TAI, d	60	72		
Interbreeding Interval, d	49	35		
Heat Bred Before 1st TAI, %	0%	0%		
CR Heat Bred Before 1" TAI, %	0%	0%		
Heat Bred After 1st TAI, %	0%	0%		
CR Heat Bred After 1st TAI, %	0%	0%		
CR 1st Service TAI, %	33%	42%		
CR 2 [™] + Services TAI, %	30%	30%		
Cost 1st Service Breeding, \$	26.7	34.5		
Cost Resynch Breedings, \$	26.7	28.5		
Cost Heat Breedings, \$	18.5	19.5		
Pregnancy Diagnosis Method	Palpation	Ultrasound		
Pregnancy Diagnosis Cost, \$	3.5	4.5		
Activity Monitors for Heat Dete	ction			
System + monitors cost, \$	32000	0		
Salvage value, \$	8000	0		
Value after depreciation, \$	24000	0		
Total cost per d of period, \$/d	6.58	0.00		
Maintenance, \$/d	0.68	0.00		
Cost Per Cow/d, \$	0.017	0.000		



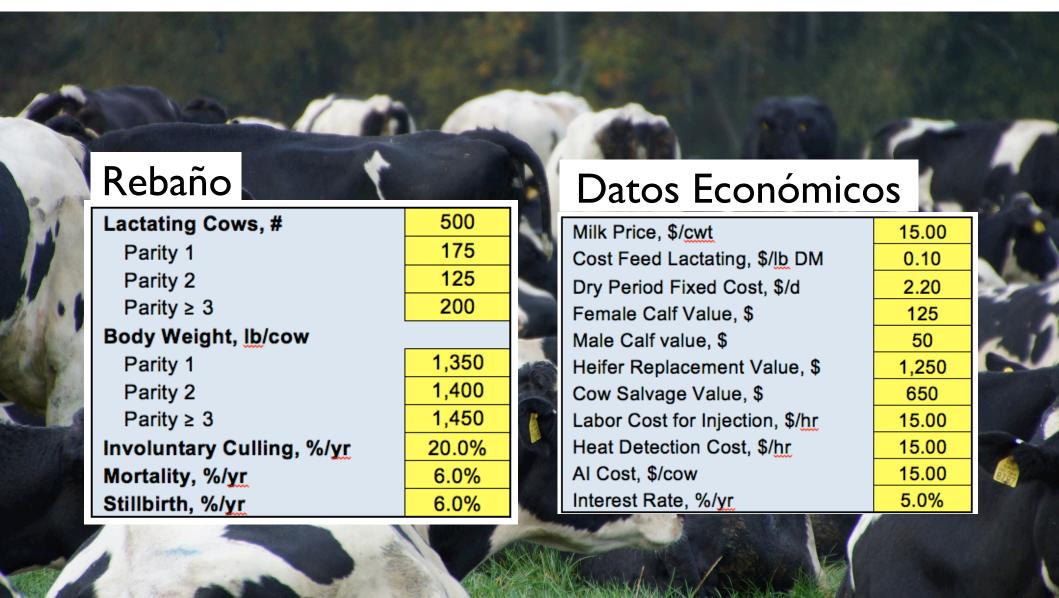




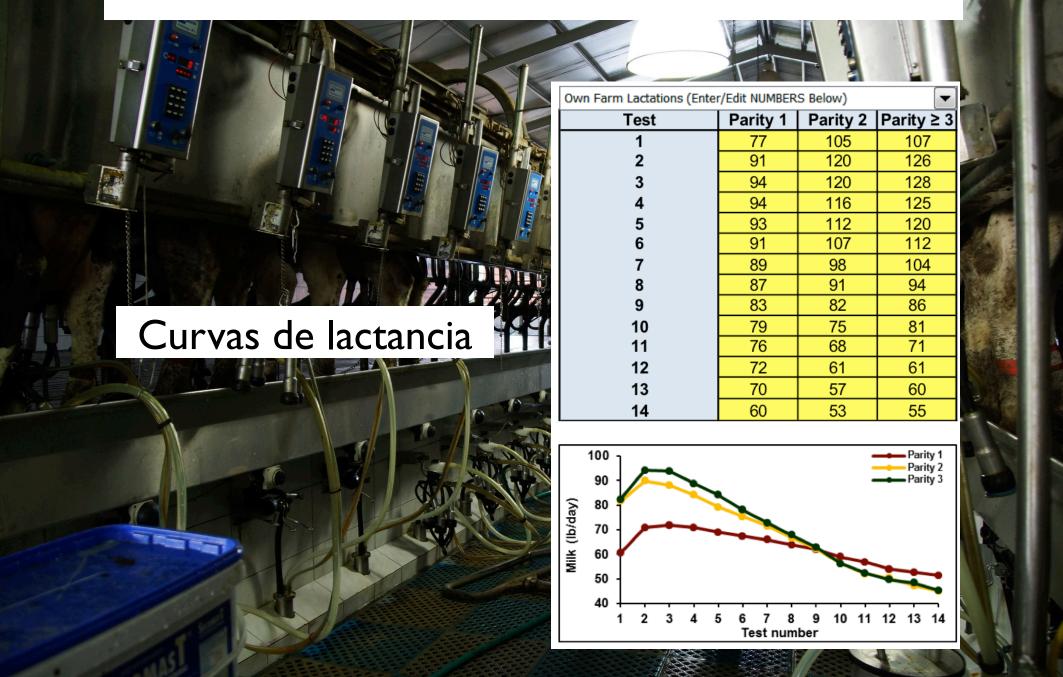


Return to INPUT sheet

Describiendo el Predio







Programas Reproductivos

	Current	Start da	ay
1 st Service postpartum	Ovsynch	Tue	\$
2 nd and subsequent services	Ovsynch	Tue	\$
Resynch before preg check	YES		\$

	Alternative	Start da	ay
1 st Service postpartum	Presynch-Ovsynch-12	Thu	\$
2 nd and subsequent services	Ovsynch	Tue	•
Resynch before preg check	YES		\$

Programas Reproductivos

	Current	Alternative	
Voluntary Waiting Period, d	60	72	
Estrus Cycle Duration, d	22	2	
Maximum DIM for Breeding,d	33	0	
DIM to 1st TAI, d	60	72	
Interbreeding Interval, d	49	35	
Heat Bred Before 1st TAI, %	50%	50%	
CR Heat Bred Before 1st TAI, %	35%	35%	
Heat Bred After 1st TAI, %	40%	40%	
CR Heat Bred After 1st TAI, %	35%	35%	
CR 1st Service TAI, %	33%	42%	
CR 2 nd + Services TAI, %	30%	30%	
Cost of 1st Service TAI, \$			
Cost of 2 nd + Services TAI, \$			
Cost of Heat Breeding, \$			
Cost resynch before preg check, \$			
Calving Interval, d	13.7		
Dry Period, d	60		

Fertilidad Esperada al Primer Servicio de la IATF

		Conception Rate (%)		
Synchronization Program	VWP (d)	Mean	Range	
Presynch-Ovsynch-14	70-85	37	(32-42)	
Presynch-Ovsynch-12	70-85	42	(37-47)	
Presynch-Ovsynch-11	70-85	43	(37-47)	
Presynch-Ovsynch-10	70-85	44	(37-47)	
Double-Ovsynch	70-85	47	(40-50)	
G-6-G	70-85	45	(37-47)	
Ovsynch	60-75	33	(30-37)	
Cosynch-72	60-75	26	(25-33)	
Presynch-Ovsynch-12 w/CIDR	70-85	45	(40-50)	
Double-Ovsynch w/ CIDR	70-85	50	(43-53)	
Ovsynch w/ CIDR	60-75	36	(40-50)	
Cosynch-72 w/ CIDR	60-75	32	(33-40)	

Fertilidad Esperada para los servicios tardíos post IATF

	Interbreeding Interval	Conception Rate (%)		
Synchronization Program	(d)	Mean	Range	
Ovsynch-Day 25	35	27	(24-30)	
Ovsynch-Day 32	42	30	(25-35)	
Ovsynch-Day 39	49	28	(25-32)	
Double-Ovsynch	49	38	(33-42)	
Short-Double-Ovsynch	42	34	(30-38)	
HGPG (hCG-7d-Ovsynch)	35	37	(33-41)	
GGPG (GnRH-7d-Ovsynch)	35	34	(27-37)	
G-6-G	49	35	(32-38)	
Cosynch-72-Day 25	35	23	(20-25)	
Cosynch-72-Day 32	42	28	(24-32)	
Cosynch-72-Day 39	49	25	(23-28)	
Ovsynch-Day 32 w/ CIDR	42	33	(28-38)	
Double-Ovsynch w/ CIDR	49	41	(36-45)	
Short-Double-Ovsynch w/CIDR	42	37	(33-41)	
HGPG (hCG-7d-Ovsynch) w/CIDR	35	40	(36-41)	
GGPG (GnRH-7d-Ovsynch) w/ CIDR	35	35	(30-40)	
G-6-G w/CIDR	49	38	(33-41)	
Cosynch-72-Day 32 w/CIDR	42	31	(27-35)	

M.O. Detección de Celos

	Current	Alternative
Laborers	1	1
<u>hr</u> /d	2.5	2.5

Diagnóstico de Preñez

	Current	Alternative
Palpation, \$/hr	105	
Ultrasound, \$/hr		135
Blood Test, \$/cow		

Monitores de Actividad para Detección de Celos

Mue.	Current	Alternative
System Cost, \$	0	7,000
Number of monitors	0	350
Cost per monitor, \$	0	110
Maintenance, \$/yr	0	350
Life expectancy, <u>yr</u>	0	10
Salvage value, %	0%	25%

M.O. para aplicaciones y diagnóstico de preñez

			Mon	Tue	Wed	Thu	Fri	Sat	Sun
		Laborers	1		1				
<u>ਬ</u>	Injections	<u>hr</u> /d	2		1				
Actual		# Cows	50		30				
Ă	Pregnancy	<u>hr</u> /d	1						
	Diagnosis	# Cows	30						
0		Laborers		2		1			
ati	Injections	<u>hr</u> /d		2.5		2			
Alternatio		# Cows		75		60			
	Pregnancy	<u>hr</u> /d		1					
4	Diagnosis	# Cows		30					





Resultado del Análisis

Resumen de los Programas Reproductivo Analizados

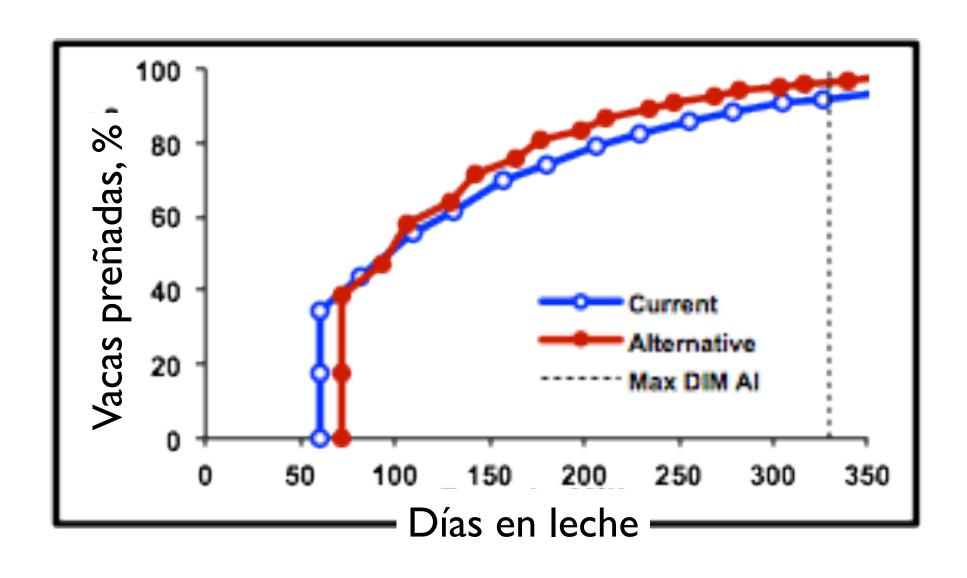
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Pregnancy Diagnosis Method	Palpation	Ultrasound
Pregnancy Diagnosis Cost, \$	3.5	4.5

Análisis de los Resultados

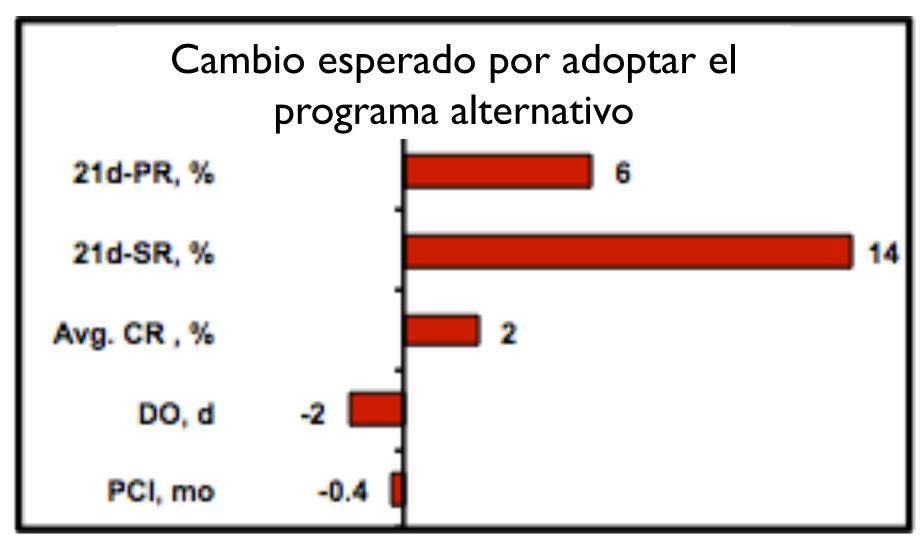
Monitores de Actividad para Detección de Celos

	Current	Alternative
System + monitors cost, \$	0	32000
Salvage value, \$	0	8000
Value after depreciation, \$	0	24000
Total cost per d of period, \$/d	0.00	6.58
Maintenance, \$/d	0.00	0.68
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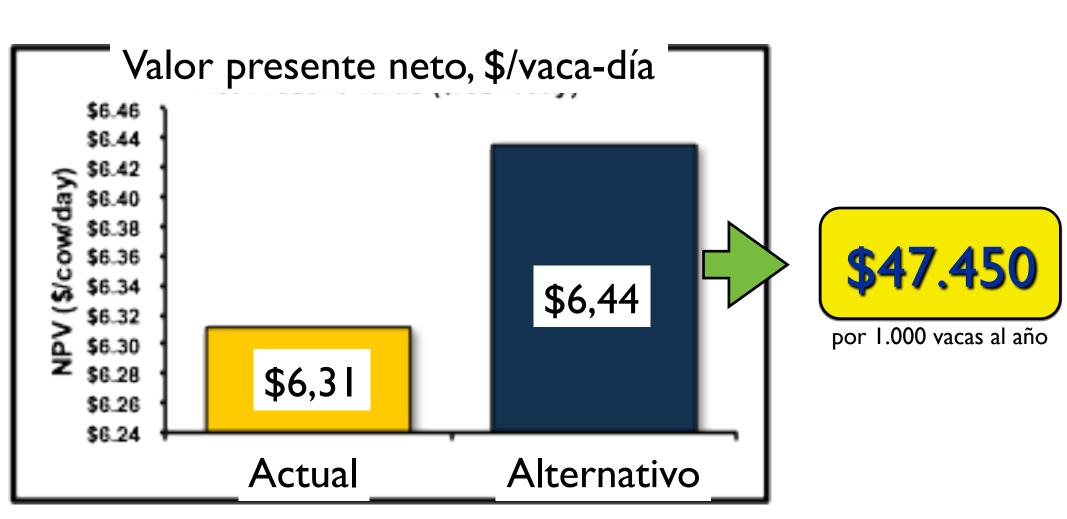
Análisis de los Resultados



Análisis de los Resultados



Rendimiento Económico



UW-Dairy Repro\$Plus Donde encontrarlo

DairyMGT.info



Tools (herramientas)



Agradecimientos

Este proyecto es apoyado por la "University of Wisconsin-Madison College of Agriculture of Life Sciences Hatch"



"Grant No.WIS01577 to V.E.C."

