Best Practices Benchmarking

Participant Assessment Meeting





"Application of Best Practices Benchmarking Techniques to Characterize Profitability and Improve Performance of Calf Raising Processes on NY Dairy Farms"

April 1, 2007 – September 30, 2008

NYSFVI Funding \$111,000

Best Practices Benchmarking

A research project to:

Improve Process Control

Quality Management System (QMS) Improve Employee Performance

Improve Financial Performance

Overview

"Best Practices" does not mean that there is only one best way to do something.

"Best Practices" is what works best for your farm. It is a method for continual improvement of a specific process.

Industry calls this

Quality Management System (QMS)

Definitions: QMS

Elements of a Quality Management System (QMS)

Defined goals and objectives.

Documented processes and procedures (SOP's and protocols).

Consistently meeting customer requirements.

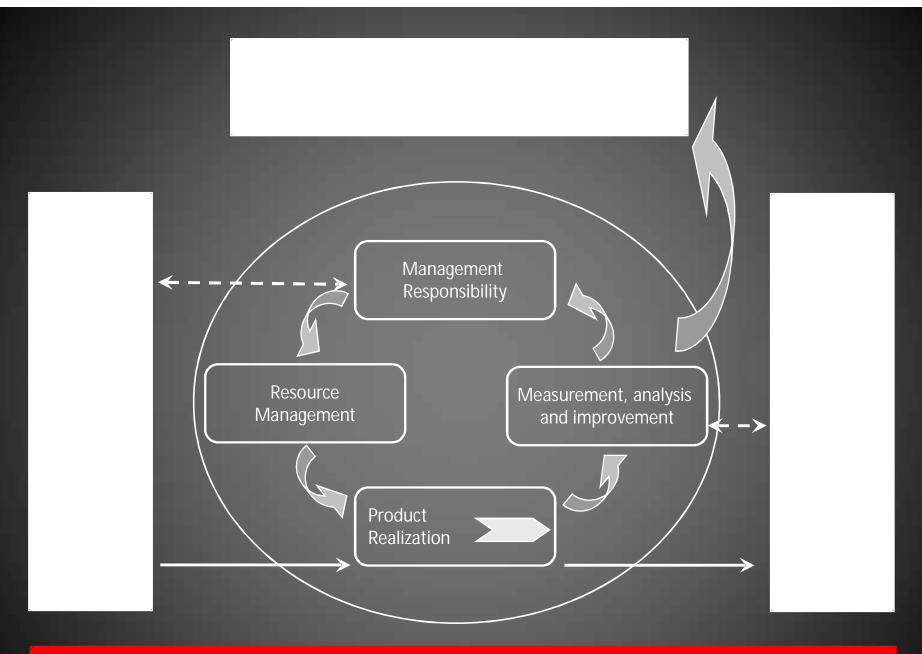
Definitions: ISO 9001:2000

International Organization of Standards (ISO)

A standard that defines requirements for a QMS

Used to demonstrate ability to consistently provide product meeting customer and regulatory requirements.

Intended to provide customers assurance in the quality of products or services.



Programs using QMS / ISO Systems

National Dairy Animal Well Being Initiative - Dairy industry coalition

Dairy Animal Welfare Review Program - Approved USDA Process Verified Program based on ISO 9001:2000

Animal Welfare Approved – Animal Welfare Institute

Certified Humane – Humane Farm Animal Care

Validus – Private company certification

Best Practices Calf Raising Goals

Develop on-farm SOP's for calf raising process.

 Develop a system to measure the results of this process and report to the farm.

 Develop a system to benchmark the results of a farm's process as a tool for continual improvement.

Immediate Benefits

Lower Calf Mortality

Lower Incidence of Disease

Improved Employee Morale and Performance

Secondary Benefits

Benchmarking against other farms to:

- Improve adherence to protocols
- Improve information to managers
- Improved employee job performance
- Improved employee training materials

Secondary Benefits

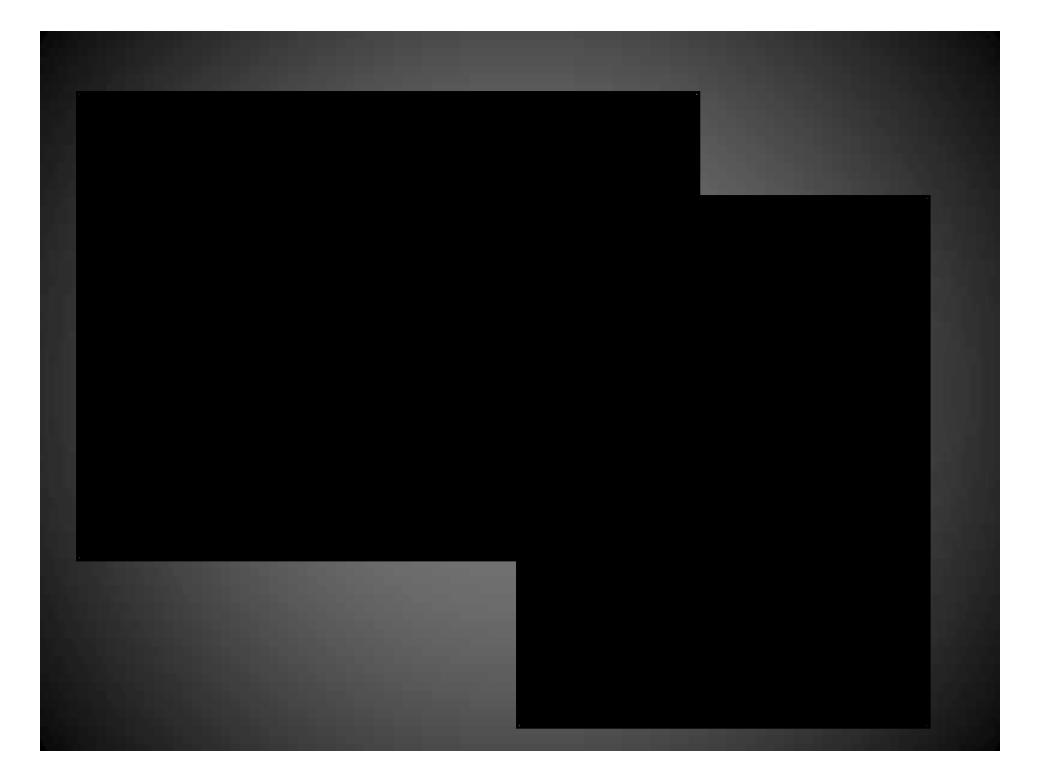




- Food Safety / ISO Certification
- Animal Welfare Certification

Secondary Benefits

- Develop a business service that:
 - Creates more value to the farm then the service costs.
 - Can be used by others for business development.
 - Describes the processes behind financial benchmarks



Project Tasks

1. Develop Critical Information Needs

2. Recruit Producers, Collect Data

3. Develop Database To Organize Information

4. Develop Reports and Rating Systems

Develop Critical Information

Special Thanks to Sam Leadley

Housing Bedding, Air Quality, Wind,

Temperature and Humidity

Feeding Colostrum Quality, Timing,

Amount Fed

Growth Average Daily Gain

Health Cough, Nasal, Eye, Ear, Fecal

Mortality Non-completion rate

Critical Information – Calf Raising

INPUT MEASUREMENTS Ammonia levels Change in rel. humidity % Birth weight Thriftiness at birth Ig-G draw Ig-G draw Ins. Milk replacer temp. Bedding rating Calving pen rating -Ammonia level -Cleanliness Colostrum Naval dip	us X X X X X X X	FARM X X X X
OUTPUT MEASUREMENTS Growth weight Incidence of scours/ Fecal score Mortality #; age; reason Calf healthscore - cough - nasal - eye - ear - fecal	<u>vs</u>	FARM X
TREATMENT # of scours treated with what # of respitory treated with what # of labor hours	<u>US</u>	FARM X X X X X
MEASUREMENTS-START UP Calf starter inv. (beg) Calf starter inv. (end) Amount of calf starter used Amount purchased Amount of milk used Milk filled Milk dumped Milk replacer inv. (beg.) Milk replacer inv. (end) Milk replacer purchased Pen Size # of pens Average daily temp	US X X X X X X X X	FARM X X X X X X

Data Collection Methods

Design Data Collection Forms

Test Forms

Redesign

Calf Health Worksheet Hoja de Registro de la Salud de los Terneros

Farm (0	Granja)	•			Month (Mes):
Date	Number Heifer Calves	Nuumber of Scours Treated	Number of Respiratory Treated	Other Treated	Drugs Used
Fecha	Número de Terneros	Número de Terneros trató para Diarrhea	Tratados por Enfermedac Respiratoria	Otro Tratamiento	Medicamentos utilizados
1					
2					

Calf Feeding Worksheet Hoja de Registro de la Alimentación de Terneros

Farm (Granja) : Month (Mes): Number Milk Replacer **Date** Heifer **Calf Starter** Milk **Comments Calves** Alimento para Sustituto de Leche Número de **Terneros** leche Fecha **Comentarios** Terneros AIVI / PM / Tarde PM / Tarde PM / Tarde Mañana Mañana Mañana 1 2 3

On-Farm Forms

New Calf Worksheet

Hoia de Registro de los Terneros Recien Nacidos

Identification (Identificación) Date Born (Fecha de Nacimiento)			Calving difficulty (dificultad en la parición)	Good Co Buena C			Condition Condición
Sex (Sexo)	М	F		0	1	2	3
Time Born (Hora de Nacimiento)			_AM PM				
Birth Weight (Peso al Nacer):			_ Thriftyness at calving Firmeza al nacer	Good Co Buena C			Condition Condición
				0	1	2	3
Colostrum (Calostro) Amount Fed (Cantidad Administrada)			Thriftyness After Colostrum Firmeza después del calostro	Good Co Buena C			Condition Condición
Time Fed (Tiempo Administrado) Termerature (Temperatura)				0	1	2	3
Comments (Comentarios):			Navel Dipped (Limpieza Dipped by: (Initial) Limp		• ,	Yes/s	Si No

Farm Technician Forms

	•	Jali VIS	IL VVO	KSHEE	•		
Farm Name:		Date:		Time Start:		Time End:	
			For The I	Month			
Heifers Born	Bulls Born	Heifers Dead	Bulls Dead	Twins	DOA	# Calves T Respiratory	Scours
This information for the month	h of:						
			F F.				
			For 10				
Heifer Calves on Site:				Temperature:		<u>Humidity:</u>	
Bull Calves on Site:				Inside		Inside	
Number of Calves Observed:				Outside		Outside	
Colostrometer Reading:							
Colostrum Bacteria Count:							
Milk Replacer Temperature:							
		Facilities					
Calving Pen Rating		Good Conditi	on	Poor Con	dition		
Bedding		0	1	2	3		
Ammonia		0	1	2	3		
Air Flow		0	1	2	3		
Over Crowding		0	1	2	3		
·		•		_			
Calf Pen Rating		Good Conditi		Poor Con		-	
Bedding		0	1	2	3		
Ammonia		0	1	2	3		
Air Flow		0	1	2	3		
Cleanliness		0	1	2	3	_	
Calf Health Scores		Numb	er of Obser	vations			
Poting	Coursh	Ness	E. c	Ear	Eccal		
Rating	Cough	Nasal	Eye	Edi	Fecal	-	
0							
1							
2							
3						_	
Calf Feeding	Level 1	Level 2	Level 3	7			

Average Amount Per Head

Whole Milk

Milk Replacer

Calf Starter

Calf Viait Warkahaat

Calf Weight Worksheet

Farm: Technician: Date:

Calf I. D. Weight IgG Comments

Calf I. D.	Weight	IgG	

	y Comp 305 nand : LIS						
- c:cc	WFILE1.DAT		DAIRY	KNOLL FA	RMS		
ID	BDAT	ID	BDAT	ID	BDAT	ID	BD.
2776	6/ 1/08 _	2787	6/22/08 _	2798	6/29/08	2809	7/ 6/
2777	6/ 6/08 _	2788	6/24/08 _	2799	6/30/08	2810	7/ 7/
2778	6/10/08 _	2789	6/24/08 _	_1 2800	7/ 2/08	811 2811	7/ 8/
2779	6/11/08 _	2790	6/25/08 _	2801		831 2812	7/10/
2780	6/12/08 _	2791	6/25/08 _	2802	7/ 4/08	8 1 2813	7/11/
2781	6/13/08 _	2792	6/25/08 _	2803	7/ 4/08	84 1 2814	7/16/
2782	6/13/08 _	2793	6/25/08 _	2804	7/ 5/08	<u>85</u> 2815	7/19/
2783	6/14/08 _	2794	6/26/08 _	2805	7/ 5/08	83 2816	7/19/
2784	6/17/08 _	2795	6/26/08 _	2806	7/ 6/08	83 2817	7/19/
2785	6/19/08 _	2796	6/27/08 _	2807	7/ 6/08	82	
2786	6/20/08 _	2797	6/27/08 _	2808	7/ 6/08	78 Total:	42
Row 2	800 - 2	803				3/00d	281
Ron	8004- 3 2809- 34 2813 2813	7 16	2811	-12			

Calf Data Record Counts by Farm

Farm Name		<u>Visit</u>	<u>Month</u>	New Calves	Weight/IgG	<u>Health</u>	Health - Calf ID
Boxler Farms		22	10	462	266	34	0
Carbu Farms		16	7	131	225	16	6
Dairy Knoll Farm		15	7	374	80	35	0
Dueppengeiser Dairy Co.		10	7	197	138	17	0
Emerling Farm		17	8	417	330	126	0
Fitch Farms Inc		16	6	229	285	18	188
Logwell Acres		16	8	79	192	0	0
Luce Dairy Farm		18	8	109	227	20	11
Old Acres Farm		15	6	219	268	31	0
Schreiberdale Holsteins		20	9	251	305	4	0
Schum-Acres		17	8	365	349	23	0
Schwab Dairy Farm		4	3	2	0	27	0
Swiss Valley Farm		15	6	198	323	0	0
True Farms		10	5	190	61	15	0
	Total	211	98	3223	3049	366	205

Time tracking by farm and by activity.

Best Practices Benchmark Time by Job Summary All Transactions

Design Activity Private Design Activity		Apr	May	Jun	Jul 3	A ug	Sep	Oct	Nov	D-60	Jan	F eb	Mar	Apr	May	Jun	Jul	Aug	TOTA
Part	On-Farm Activity Driving	0	0	1.10	3.20	6.00	2.00	4.30	6.10	2.00	7.05	0	0	0	0.	0.00	0.00	0.00	32.45
Part																			
Total Office																			
Medical content		0.00	2.10	36.10	27.40	29.00	33.00	40.00	55 20	19.20	40.10	0.40	0.00	0.00	0.00	12.30	13.30	3.00	353.3
On-Fam Activity Driving 1				0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00					0.00			
On-Farm Activity Plans Tour Family Statistics 0 0 0 0 0 0 0 0 0																			
One-fam Activity Protection Service													D	0	0				
Total Olive Another Printing Calves		0	0	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0.	0.00	0.00	0.00	1.00
## Part																			
On-Farm Activity Dials Calescrien On-Farm Mativity Dials Calescrien On-Farm Mativity Dials Calescrien On-Farm Activity Dials Calescrien On-Far	On-Farm Activity: Taping Calves	0	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	5.00	7.00	0.00	9.00
On-Farm Activity Days a Calescition 0 0 0 0 0 0 0 0 0	Total Old Acres	0.00	0.00	4.00	2.50	2.50	1.40	1.55	3.15	7.00	4.45	0.00	0.00	0.00	0.00	2.00	7.00	0.12	307.2
On-Farm Activity Farm Four Farmilarization 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																			
Part																			
Part																			
Selvent and Exemple																			
Section Processing Section S																			
Section Continue		0.00	0.00	0.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.30	0.00	0.00	201
Confarm Activity Data Celestion		D.	Di .	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1:30	0	D	n	0	0.00	0.00	0.00	1:30
OF-farm Activity Protected Discovery 0 0 0 0 0 0 0 0 0		0	0									0	0	0	0				
On-Farm Activity Prefered Discovery On-Farm Activity Discovery On-																			
Part																			
Selection Part Pa																			
Total Schwarfscherids 10																			
Section Access Section Confirm Activity Data Celection Discriminal Confirm Activity Data Celection Discr				-															
On-Farm Activity Davis Celestrian On-Far		0.00	0.00	0.20	7.00	0.00	6.00	9.10	12.00	0.30	10.30	0.00	9.00	0.00	0.00	5.49	3 13	0.00	Est. 6
On-Farm Activity Coloring On-Farm Activity C			in .	0.00	0.00	1.10	0.00	0.00	4.00	1.40	2.10	0.	.0		in .	0.00	0.00	n on	to on
## Confirm Activity Private of Discovery 0																			
Total Schem Acres 10		0																	
Service Description Service	On-Farm Activity: Taping Calves	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	D	0	0	0.00	4.00	0.00	4 00
On-Farm Activity Parked Discovery On-Farm Activity Discov	Total Schum Acres	0.00	0.00	6.00	0.00	3.10	0.00	0.00	5.00	3.10	6 00	0.00	0.00	0.00	0.00	0.00	4 00	0.00	27.2
On-Farm Activity Driving On-Farm Activity Protecce Discovery On-Farm Activity Protecce Discovery On-Farm Activity Protecce Discovery On-Farm Activity Protecce Discovery On-Farm Activity Driving On																			
Trial Schrolar Diary																			
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Simple S			-					-											
On-Farm Activity Data Celestion On-Farm Activity Data Celestio		0.00	0.00	7:10	0.00	2.20	0.00	0.00	0.00	9.35	2 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.0
On-Farm Activity Farm Teur Familianization On-Farm Activity Farm Teu		n	n	0.00	1.20	1.50	4.00	0.00	0.00	1.55	4.00	9	n.	n		0.00	n nn	n on	16.46
On-Farm Activity Frame Touri F												D .							
Orfarm Activity Taping Calves 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	1 00	0.00		3.00
Total Grides Valey OF Jam Activity Data Celection OF Jam Activ																			
First First First Confidence Confi	On-Farm Activity: Taping Calves				0.00			-			0.00		_			0.00			
Chefam Activity Data Celection 0 0 0 0 0 0 120 200 315 200 300 455 0 0 0 0 0 0 0 0 0	Total Swiss Valley	0.00	0.00	3:40	4:20	2.50	4:40	0.00	0.00	3.05	6 10	3:10	0.00	0.00	0.00	1.00	4.00	0.00	32.6
Or-Farm Activity From rour Familiarization 0 0 0 0 0 0 0 0 0																			
Orfiger Activity Frame Teur Frames arranger 0 0 0 0 0 0 0 0 0																			
Or Farm Additivity/Petforded Discovery Columbia Co																			
No pop assigned No No No No No No No N			2																
No post assigned No No No No No No No N	Carlotte Carlotte Committee Carlotte Committee Carlotte C	0.00	2.26	3.10	6.00	1:30	2.10	3.35	2.15	3.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30 1
No item assigned 0 0 00 000 000 000 000 000 000 000 00	No job assigned						2010		21.70										
		.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00	0.00
TOTAL 0:10 4:35 88:30 109:00 123:30 60:10 73:50 81:80 83:10 120:56 7:20 0:00 0:00 0:00 73:56 87:49 10:06 854:5	Total No job assigned	0.00	0.00	0.00	0.00	0.00	0.00	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
	TOTAL	0:10	4:35	98:30	109:00	123:30	60:10	73:50	91:50	83:10	120:55	7:20	0:00	0:00	0:00	73:54	97:49	10:06	954:5

Data Collection Methods

On-Farm Data Collection Procedures

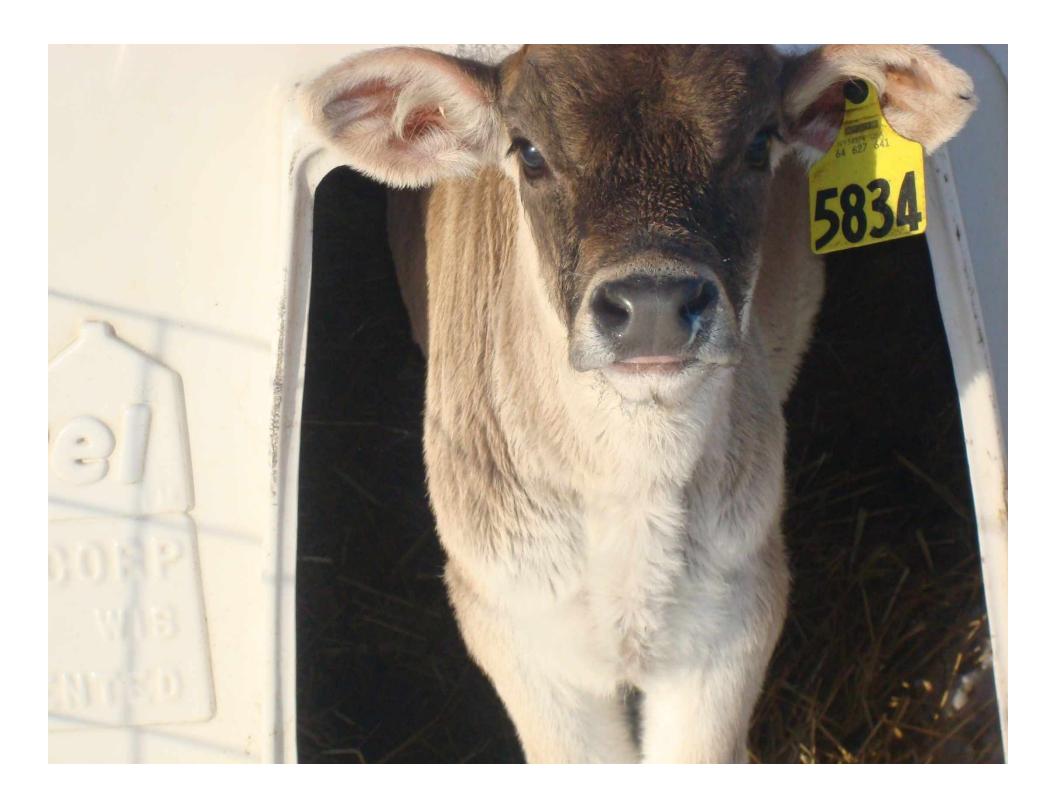
- Frequency
- How to Sample
- Develop Consistent
 Measurements

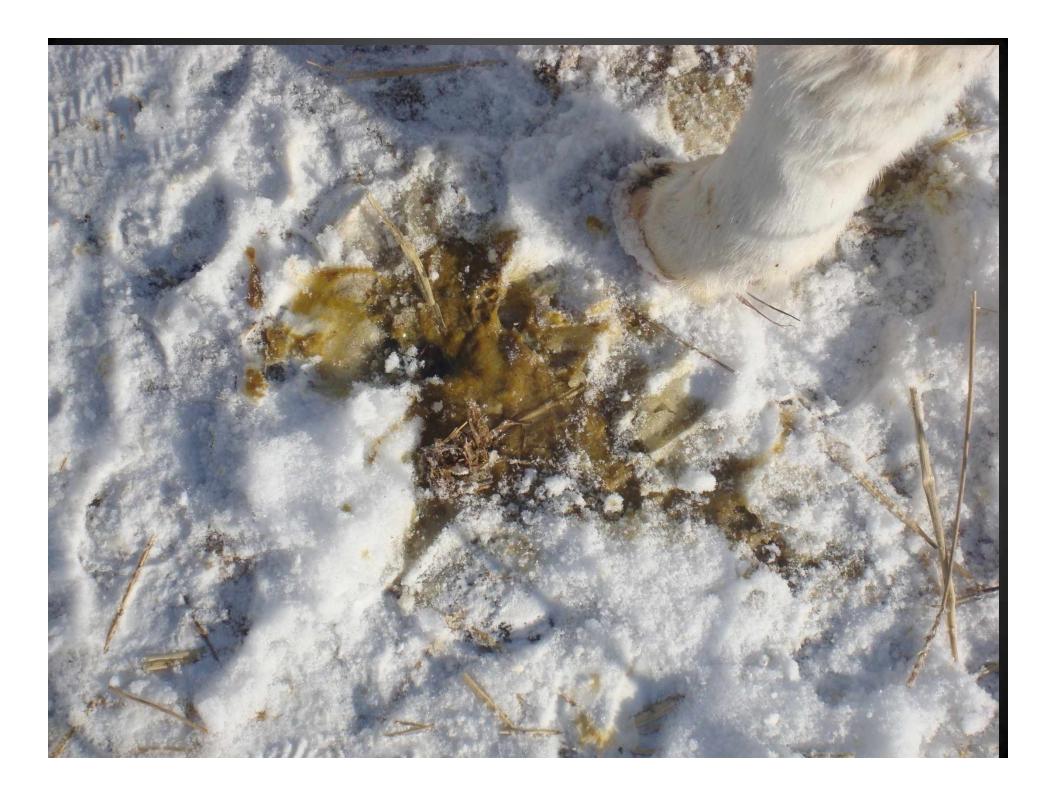




	Calf Health So	coring Criteria	
0	1	2	3
Rectal temperature		~ ~	
100-100.9	101-101.9	102-102.9	≥103
Cough			
None	Induce single cough	Induced repeated coughs or occasional spontaneous cough	Repeated spontaneous coughs
Nasal discharge			L.
Normal serous discharge	Small amount of unilateral cloudy discharge	Bilateral, cloudy or excessive mucus discharge	Copious bilateral mucopurulent discharge
Eye scores			
Normal	Small amount of ocular discharge	Moderate amount of bilateral discharge	Heavy ocular discharge
Ear scores			
Normal	Ear flick or head	Slight unilateral droop	Head tilt or bilateral
Fecal scores	shake		droop
Normal	Semi-formed, pasty	Loose, but stays on	Watery, sifts through
Normal	ocini-ionnieu, pasty	top of bedding	bedding
		- Specially	and the second
http://www.yetme	d wise adu/dms/fanm/far	omtools/8calf/calf_health	scoring chart ndf

 $http://www.vetmed.wisc.edu/dms/fapm/fapmtools/8calf/calf_health_scoring_chart.pdf$





Software Development

Two Software Programs

 Reports and Benchmark Software Microsoft Access Custom built by Sandra Zohari

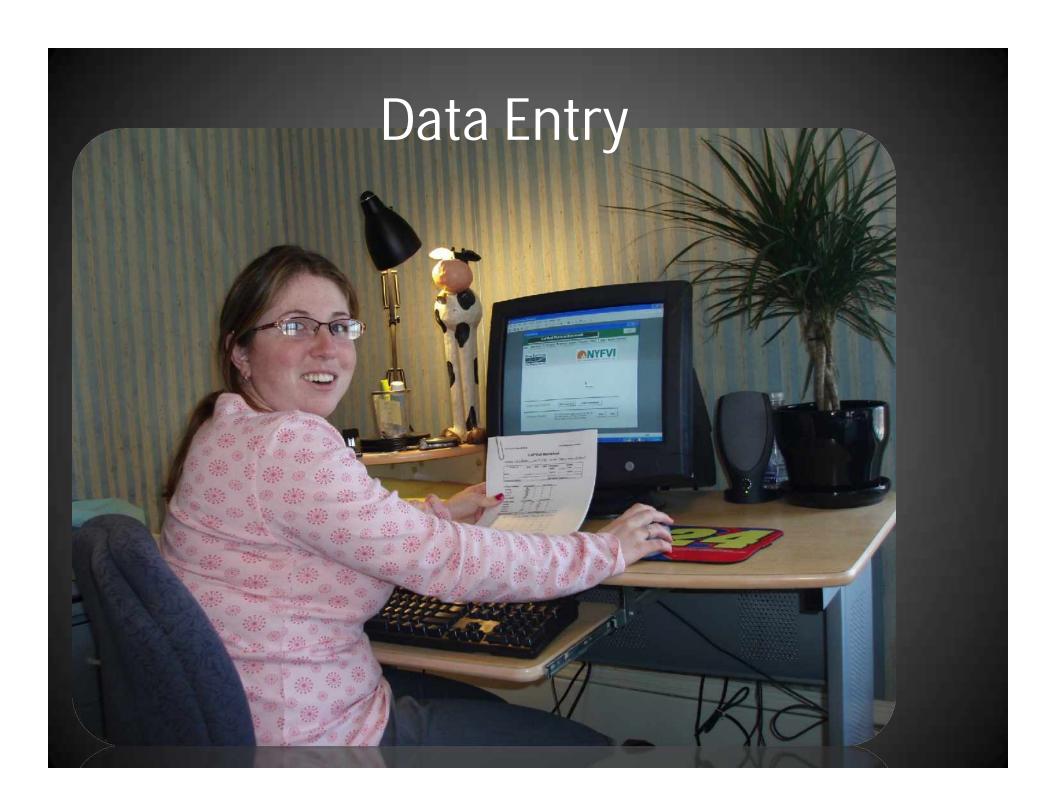
2. SOP Software

Microsoft Visio

Custom designed by Lori Cohen

Calf Raising Process Handouts

Best Practices MS Access Database



Develop Reports and Rating Systems

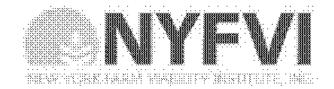
-Charts, Tables, Time Scale, Readability

– Are Reports Understandable?

– Do Reports Provide Decision Making Information?



Reporting Data Definitions



Calf Birth Report		Data_source:
Number of Farm Visits	Number of Visit records for the selected farm where the visit date is within the selected report period	Calf Visit Table
Temperature Inside	Average: The sum of inside temperatures recorded for the selected records divided by the number of visits that had an inside temperature recorded	Calf Visit Table
	Low: Lowest Inside Temperature recorded for the selected records	
	High: Highest Inside Temperature recorded for the selected records	
Temperature Outside	Average: The sum of outside temperatures recorded for the selected records divided by the number of visits that had an outside temperature recorded	Calf Visit Table
	Low: Lowest Outside Temperature recorded for the selected records	
	High: Highest Outside Temperature recorded for the selected records	
Heifer	Defined as Sex not equal to "M" ("F" or unknown)	Calf Birth Table
- ··	· · _ · · ·	





Past Performance

Schum-Acres and Associates



Last Farm Visit: Saturday, August 23, 2008

		Time	•				erature		nidity		Replac	
Visit Da	ate	Start	End	Tec	hnician	Inside	Outside	Inside	Outsid	e Tem	peratu	re
8/23/2	2008	12:30	14:45	DDI	⊒ √. 2	83.8	80.6	50.4	47.	9		
Heifer	Calves	On Site			77		Cal	ving Per	Rating	j Calf	Pen R	ating
Bulls (Calves C	n Site			4			Beddin	g 2	2 В	edding	C
2010001000	Calves		2000		78			Ammoni		e inverse	monia	C
	trometer							Air flo			ir flow	1
Colust	trum Bad	cteria C	ount				Over	Crowdin	g :	Clear	ıliness	C
Calf	Health	Scores					Calf Fee	ding				
	Cough	Nasal	Eye	Ear	Fecal			L	evel 1	Level 2	Lev	rel 3
1	0	0	0	0	0		Whole M	ilk				
2	0	0	0	0	0		Milk Repl	lacer				
3	0	0	0	0	0		Calf Star	ter				
Comm	ents	Air flo	ow in c	alf pei	n - curtains (could be o	pened all	the way	to help			
l ast N	/lonth v	vith R	acord	~ 4 6	1.11.17							
					Tatistics							
						Nun	nber Died	7272 2	Num	ber Treat	ed For	
Mon	th ·	N	umber	Born			nber Died Bulls			ber Treat		
Mont	th ·	Ni Heifers	umber Bu	Born Ills	 Twins	Heifers	Bulls	DOA		iratory	Scours	
Mont Aug, 2	th 2008	N	umber Bu	Born ulls 22	Twins	Heifers 0						
Mont Aug, 2	th ·	Ni Heifers	umber Bu	Born ulls 22	 Twins	Heifers 0	Bulls	DOA		iratory	Scours	
Mont Aug, 2 Comr	th 2008 ments	Ni Heifers 25	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au	Heifers 0 gust	Bulls	DOA		iratory	Scours	á
Mont Aug, 2 Comr	th 2008 ments	Ni Heifers 25	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au	Heifers 0 gust ch Calf	Bulls 0	DOA 3		iratory 2	Scours 0	6
Mont Aug, 2 Comr Last V	th :008 ments Veight	Ni Heifers 25 and Ig	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au	Heifers 0 gust ch Calf	Bulls	DOA		iratory	Scours 0	e e e e e e e e e e e e e e e e e e e
Mont Aug, 2 Comr Last V Calf 2333	th 2008 ments Veight	Ni Heifers 25 and Ig	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au ed for eac	Heifers 0 gust ch Calf e Last	Bulls 0 Weight	DOA 3		iratory 2	Scours 0	ē
Aug, 2 Comr Last V Calf 2333 2427	th 2008 ments Veight Sex F	Ni Heifers 25 and Ig	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au ed for eac st Visit Date	Heifers 0 gust ch Calf e Last	Bulls 0 Weight	DOA 3		iratory 2	Scours 0	
Monf Aug, 2 Comr Last V Calf 2333 2427	th	Ni Heifers 25 and Ig	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au ed for eac st Visit Date 1/3/2008	Heifers 0 gust ch Calf e Last	Bulls 0 Weight	DOA 3		iratory 2	Scours 0	
Mont Aug, 2 Comr Last V Calf 2333	th 2008 ments Veight Sex F	Ni Heifers 25 and Ig	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au ed for eac st Visit Date	Heifers 0 gust ch Calf e Last	Bulls 0 Weight	DOA 3		iratory 2	Scours 0	
Monf Aug, 2 Comr Last V Calf 2333 2427 2814	th	Ni Heifers 25 and Ig	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au ed for eac st Visit Date 1/3/2008	Heifers 0 gust ch Calf e Last	Bulls 0 Weight	DOA 3		iratory 2	Scours 0	
Aug, 2 Comr Last V Calf 2333 2427 2814	th 2008 ments Veight Sex F F F	Ni Heifers 25 and Ig	umber Bu 2 na	Born ulls 22 vel inf	Twins 3 ection in Au ed for eac st Visit Date 1/3/2008 8/17/2007	Heifers 0 gust ch Calf e Last	Bulls 0 Weight 163 135	DOA 3		iratory 2	Scours 0	



Calf Birth Report



High

88.7

Beginning Date

Ending Date

1/1/2008

8/29/2008

Schum-Acres and Associates

Low

15.7

Report Date 8/29/2008

Temperature Outside Temperature Inside **Number of Farm Visits** Average Low High Average 9 59.5 28.5 88 56.4

	Heifers		Bul	Is
	Number	Percent	Number	Percent
Bom	184	98.4%	3	1.6%
DOA	0	0.0%	0	0.0%
Twins	2	1.1%	0	0.0%
Navels Dipped	142	77.2%	1	33.3%
	Average	# Observations	Average	# Observations
Birth Weight	94	132	43	7
Carring Difficulty	6.7	(2)	1.0	Ĭ
Thriftyriess at Calving	0.8	342	1.0	1
Thirtyness at Chassian	6.8	134	4.0	3

Heifer Birth Weight Range

14565	1_4799	Standard Covietion	Vacables	
105	ř.	12.4	154.0	

Comments

3024	Heller	Changed 85% from 85 to 7
3025	Meller	Changed SWI from 45 to 9
3233	Helfer	Added for Weight data
3234	Herri	Acided for Weight data



Calf Health Report



Beginning Date

1/1/2008

Schum-Acres and Associates

Ending Date

8/29/2008

Report Date 8/29/2008

	Temperature Inside			Temperature Outside			
Number of Farm Visits	Average	Low	High	Average	Low	High	
9	59.5	28.5	88	56.4	15.7	88.7	

Calf Treatments

	Total	Number	Percent	Average # of Heifer Calves
Scours	0	0	0.0	on Site:
Respiratory	5	5	100.0	5
Other	0	0	0.0	
Number of Treatment Observations:	1	Based on 1	Observations	that included a count of Calves

Calf Growth

Number of Heifers born in report period 184

Number born with Birth Weight recordec 132

Number of Heifers with any Weight observations at subsequent visits

Total familier of Resigni oftwere abono at calceequant vivite for extracted astros-

Avg Colorbay # Seilers

Vveight Gwin 1 - 30 days	î Z	36
Weight Gain +31 + 50 days	+1.N	21.
Weight Coin all days measured	0.6	47

82	ur Form	Averege		17.08.	r Farm	j., 4	tri sege
Calving Pen			Call Mealth, Soc	MAS.			
Eadding	1.8	638		Averaga	Percent	Averaga	Parkerd
\$2000000iz	0.8	0.2	Caugh	3.6	5.4	1,8	¥.5
Ar Bew	0.8	U.Y	Macel	Ų.j	20	1.5	1.5
Over Orewaing	2.3	ű,ű	l <u>E</u> 13***		0.0	13	0.5
Call Pen			Eas	14	1,4	1.7	1.4
Bedding	€.6	5 .7	Ferni	4.3	1.4	4.75	4,7
Ammania	0.2	0.3	Total Cal	ess Chassen	d. 701		10581
4 ir Box	0.4	03					
Clauntiness	0.0	9.5	"ASSESSED IN	is becomes	visita for	14 Famos	
							Wasself at

Call Best Processes Best house





Calf Visit Report For the Last 6 Visits Prior To 8/29/2008 Calving Pen Ratings Calf Pen Ratings **Calf Health Scores** ~Goal ~ Goal Bedding Bedding Cough Number of Head 2-Jul 19-Jul 8-Aug M edium 15-Feb 20-Jun 2-Jul 19-Jul 8-Aug 23-Aug 15-Feb 20-Jun 2-Jul 19-Jul 8-Aug 23-Aug ~Goal **Ammonia** Ammonia Nasal Number of Head 2-Jul 19-Jul 8-Aug 15-Feb 20-Jun 2-Jul 19-Jul 8-Aug 23-Aug 15-Feb 20-Jun 2-Jul 19-Jul 8-Aug 23-Aug ~ Goal Air Flow Air Flow Eye Mild 15-Feb 20-Jun 2-Jul 19-Jul 8-Aug 23-Aug 15-Feb 20-Jun 2-Jul 19-Jul 8-Aug 23-Aug Cleanliness Over Crowding Number of Head 15: Feb 20: Jun 2: Jul 19: Jul 8: Aug 23: Aug Temperature and Humidity Fe cal Number of Head 15-Feb 20-Jun 2-Jul 19-Jul 8-Aug 23-Aug M edium Temperature Inside - Humidity Inside





IgG Levels For the Last 6 Visits Prior To 8/29/2008



For the Last 12 Months Prior To

Aug, 2008

■ All Farms ♦ Your Farm







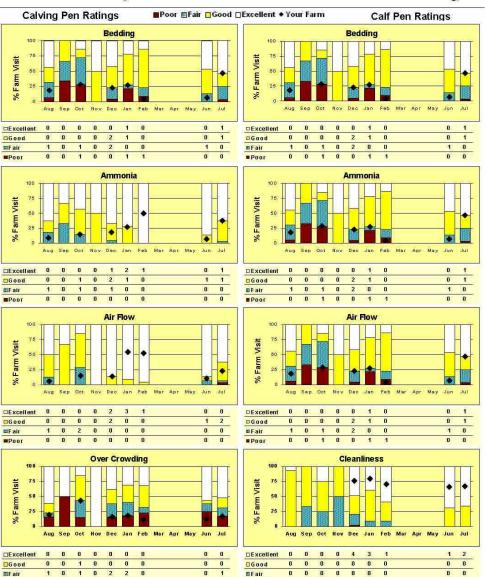


Best Practices Calf Raising Benchmark

0 0 0 0 2 1 1

For the Last 12 Months Prior To Aug, 2008

0 0 0 0 0 0



■Poor

mark





Best Practices Calf Raising Benchmark

For the Last 12 Months Prior To

Aug, 2008

