

# The 4-State Feed Cost Evaluator

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### What is the Feed Cost Evaluator?

- > Web-based interactive database system to monitor feed costs and IOFC for dairy farms
- Log-in system to "benchmark" feed costs and IOFC:
   Temporarily (same farm across time)
  - > Spatially (among users and different farms)
- Powerful analysis system to investigate (drill down) the main causes of feed costs and IOFC differences
- More than 65 users to October 2010



4-STATE DAIRY EXTENSION FEED COST EVALUATOR				
Farms	1	Ingredients   Rations   Summary	Analysis	

#### 4-STATE DAIRY EXTENSION FEED COST EVALUATOR

UWEX-Dairy Management

Username	
Password	
	Login
Crea	te New Account
Cha	ange Password

©Dairy Management

Income Over Feed Supplement Cost Database is a novel Application to allow agents/farm owners to enter farm details and perform analysis on individual as well as multiple farms depending on herd size, month and year

UWEX

IOFC

DairyMGT Home

© Dr. Victor E. Cabrera, Dairy Management, UW-Extension University of Wisonsin-Madison

4-STATE DAIRY EXTENSION FEED COST EVALUATOR	
Farms   Ingredients   Rations   Summary   Analysis	т

#### FARMS

View & Edit Farms



	FARMS		
	(View existing farms, add new farms, and delete farms)		
	IOFC DATABASE		
	Welcome to IOFC Database. These are the suggested steps for using the system.		
	1. In this page, you can add or delete farms. To add a farm enter a farm name and select the county where the farm is located and click "Add Farms". To delete a farm, delete the farm name and click save.	н	
	<ol><li>Once the farms are defined, you can start defining the "Ingredients" on the ingredients page, their DM composition, and prices used on each particular farm.</li></ol>		
	<ol><li>Once the ingredients are entered, you can define the rations for different group of cows in the "Ration" page.</li></ol>		
	4. Once you have defined all ingredients and rations, you can see the IOFC summary at the "Summary" page. On this page, you would first need to enter the milk production and price.		
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Farm Name Farm1 Farm2 Farm3 Farm4 Farm5 Farm6 Farm7 Farm7 Farm8 Farm9 Farm9 Farm10



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#### Forages

#### INGREDIENTS

#### Add/Edit Ingredients in the Farm



Forage	%DM
Corn Silage-Cosi	33
Hay Forage	85
Hay Forage-	85
Hoekstra hay	84
Canary hay	84
Bagged Haylage	38
Straw	92
Alf Silage-Alsi	38
Hay Forage	38

Price As Fed \$/ton	Price DM \$/ton
	130
140	
145	
120	
55	
62	
75	
	174
	128

*tension* 

#### Concentrates

Energy Protein Supplements	%DM
Corn-CGG	85
SoybeanMeal SBM	
Dry corn	85
Prefresh conc	90.2
Lactating Protein	90.9
TMR Weighback	50
Energy Booster	98
Bran Syrup	60

Price As Fed \$/ton	Price DM \$/ton	
	169.41	
207		
145.8		
260		
35		
1450		
41.6		
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### **Min-Vitamins and Byproducts**

Min-Vit Supplement & ByProduct	%DM	\$/cwt
Calcium Carbonate		
Urea	99	28
DC Mineral	98	58.2
Lactating Mineral	95.5	41.5
Yeast	98	49.1

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### Milk Revenue

Farm Name			
Superior Farm	-		
Month			
April 2010	-		

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Farm Information Superior Farm Farm Name Person Reporting Reporter1 Farm Owner/UserName Dairy Last Updated 2010-04-26 1051 Milking Number of Cows 242 Dry Milk Bulk Tank 81 Production(lb/cow/day) Milk ButterFat(%) 3.5 3.1Milk Protein(%) Milk Price(\$/cwt) 14.75 Milk Revenue (\$/cow/day) 11.95

#### Rations

#### RATIONS

#### Edit Rations of the Farm

On

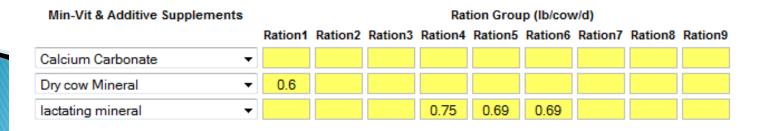
Farm Name		Month	
Superior Farm 2	•	April 2010 👻	

Ration Group Information	Name	Number	Milking
Ration Group 1	Lactation 1	459	<b>V</b>
Ration Group 2	Lactation 2	715	<b>V</b>
Ration Group 3	Postfresh	112	<b>V</b>
Ration Group 4	Dry	156	
Ration Group 5	Prefresh	91	
Ration Group 6	Ration 6	0	
Ration Group 7	Ration 7	0	
Ration Group 8	Ration 8	0	
Ration Group 9	Ration 9	0	

#### Rations

Farm Name								Mon	th		
Farm3		•					April 2010	D	-		
Forage				Ratio	n Group	(lb/cow/d	I) As Fe	d 🔻			
	Р	Ration1	Ration2	Ration3	Ration4	Ration5	Ration6	Ration7	Ration8	Ration9	
Нау	-		4	4.259	1.6	1.48	1.48				
Wheat Straw	-	3.7	1	0.48	0.41	0.37	0.37				
Wheat Straw Purch	-	3.7	1	0.48	0.41	0.37	0.37				
Hay Forage	•	15.76	4.89	6.522	18.36	17.6	17.6				
Corn Silage-Cosi	-	30.33	30.33	30.33	57.2	48.42	48.42				

Energy/Protein Supplements				Ratio	n Group	(lb/cow/d	) As Fe	As Fed 🔻			
	Ρ	Ration1	Ration2	Ration3	Ration4	Ration5	Ration6	Ration7	Ration8	Ration9	
Corn-CGG -					6.33	5.84	5.84				
Wet Gluten	1	2.94		6.38	10.82	9.99	9.99				
Protein -	1				13.68	12.6	12.6				
Permeate -	1			4	9	7.75	7.75				
Post Supplement -	1			15.6							
Closeup mix 👻	1		7.3								
SoybeanMeal SBM 👻											





# Group Summary

Farm Name Farm3 ▼

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Month April 2010

Energy/Protein Suppleme       159       0.13       0.14       1.20       0.44       0.22       0.24       0         Min-Vit & Additive Supplem       0.6       0.16       -       0       0       -       0       0       -         Total Feed       5.48       0.4       2.16       128       7.53       1.25       17.46       1.05       18.13       2.04       0       0       -         Total Feed       5.48       0.4       2.16       1.28       2.499       36.53       3.14       3.14         Number of Cows (#)       60       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0				0031	- Dim	COSt	Dim	0031	- Dimi	COSt		0031	- Dimi	0031
Min-Vit & Additive Suppler       0.6       0.16       -       0       0       -       -         Total Feed       548       0.4       21.46       1.28       753       1.25       17.46       1.05       18.56       2.06       17.97       1.08         DMI (lb/cow/d)       1.69       2.3       3.14       3.31       3.31       3.31         Number of Cows (#)       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td< th=""><th></th><th>Forage</th><th>3.29</th><th>0.19</th><th>21.46</th><th>1.28</th><th>0.89</th><th>0.05</th><th>17.46</th><th>1.05</th><th>0.43</th><th>0.02</th><th>17.97</th><th>1.08</th></td<>		Forage	3.29	0.19	21.46	1.28	0.89	0.05	17.46	1.05	0.43	0.02	17.97	1.08
Total Feed         548         0.4         21.46         1.28         753         1.25         17.46         1.05         18.56         2.06         17.97         1.08           DMI (lb/cow/d)         26.94         1.69         2.3         3.14         36.53         3.14         33           Number of Cows (#)         60         2.3         60         753         1.25         17.46         1.05         18.56         2.06         17.97         1.08           Number of Cows (#)         60         60         3.31         33         33         33           Forage         0.0         0.0         1.69         2.3         1.61         1.62         1.61         1.63         1.63           Forage         0.36         0.02         30.76         1.77         0.33         0.02         27.11         1.57         0.33         0.02         27.11         1.57           Introvit& Additive Suppler         0.75         0.38         -         1.97         2.3         31.55         1.95         1.973         2.3         31.55         1.95           DMI (lb/cowid)         0.75         0.35         -         1.973         2.3         1.55         1.95         1.		Energy/Protein Suppleme	1.59	0.05	0	0	6.64	1.2	0	0	18.13	2.04	0	0
DMI (b/cow/d)       28.94       24.99       36.53         Feed Costs (\$'cow/d)       1.69       60       314         Number of Cows (#)       60       31         Mumber of Cows (#)       0       0       0         Forage       0.36       0.02       30.76       1.77         DMI (Cost       DMI Cost       DMI Cost       DMI Cost       DMI Cost         DMI Cost       DMI Cost       DMI Cost       0.33       0.02       27.11       1.57         Energy/Protein Supplerei       0.75       0.38       -       0.33       0.02       27.11       1.57         Total Feed       0.75       0.38       -       19.73       2.3       31.55       1.95         DMI (b/cow/d)       57.13       1.55       5.557       2.17       19.73       2.3       31.55       1.95         DMI (b/cow/d)       57.13       4.42       2.8       4.25       1.8       1.25       1.9       1.2       1.2       1.9       1.2       1.2       1.9       1.2       1.2       1.9       1.2       1.2       1.2       1.9       1.2       1.2       1.9       1.2       1.2       1.2       1.2       1.9       1.2		Min-Vit & Additive Supplen	0.6	0.16	-	-	0	0	-	-	0	0	-	-
Feed Costs (\$lcowid)       169       23       3.14         Number of Cows (#)       60       33         Image: Costs (\$lcowid)       100       60       33         Image: Costs (\$lcowid)       100       60       33         Image: Costs (\$lcowid)       Image: Costs (\$lcowid)       100       100       100         Image: Costs (\$lcowid)       Image: Costs (\$lcowid)       Image: Costs (Image: Cost (Image: Costs (Image: Cost (Image: Cost (Image: Costs (Image: Cost (Image		Total Feed	5.48	0.4	21.46	1.28	7.53	1.25	17.46	1.05	18.56	2.06	17.97	1.08
Number of Cows (#)       60       33         Number of Cows (#)       60       33         Image: State of Cows (#)       60       33         Image: State of Cows (#)       60       33         Image: State of Cows (#)         Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)         Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: State of Cows (#)       Image: St		DMI (lb/cow/d)	26.94				24.99				36.53			
Number of Codes (v)       main       Lact       2 year       Lact       hospital       Lact         Purchased       Home-Grown       DMI       Cost       DI       Cost       DI       Cost       DI       Cost       DI       Cost       DI       Cost       DI		Feed Costs (\$/cow/d)	1.69				2.3				3.14			
Purchased         Home-Grown         Purchased         Home-Grown           Forage         0.36         0.02         30.76         1.77           Construction         0.36         0.02         30.76         1.77           20.44         2.1         4.81         0.41         0.33         0.02         27.11         1.57           Energy/Protein         Suppleme         0.75         0.38         -         19.73         2.3         31.55         1.95           DMI (lb/cow/d)         57.13         4.68         4.25         19.73         2.3         31.55         1.95           57.13         4.68         4.25         2.59         18.71         19.34         4.44         0.38           Number of Cows (#)         4.68         4.25         2.59         19.73         2.3         31.55         1.95           State         4.68         4.77         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7 <th></th> <th>Number of Cows (#)</th> <th>60</th> <th></th> <th></th> <th></th> <th>60</th> <th></th> <th></th> <th></th> <th>33</th> <th></th> <th></th> <th></th>		Number of Cows (#)	60				60				33			
Purchased         Home-Grown         Purchased         Home-Grown           Forage         0.36         0.02         30.76         1.77           Construction         0.36         0.02         30.76         1.77           20.44         2.1         4.81         0.41         0.33         0.02         27.11         1.57           Energy/Protein         Suppleme         0.75         0.38         -         19.73         2.3         31.55         1.95           DMI (lb/cow/d)         57.13         4.68         4.25         19.73         2.3         31.55         1.95           57.13         4.68         4.25         2.59         18.71         19.34         4.44         0.38           Number of Cows (#)         4.68         4.25         2.59         19.73         2.3         31.55         1.95           State         4.68         4.77         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7 <th>ĺ</th> <th></th>	ĺ													
DMI         Cost         DI         Cost         DI         Cost         Cost         DMI         Cost         DI         Cost												<u> </u>		
Forage       0.36       0.02       30.76       1.77       0.33       0.02       27.11       1.57         Energy/Protein Suppleme       0.75       0.38       -       18.71       1.93       4.44       0.38         Min-Vit & Additive Supplem       0.75       0.38       -       18.71       1.93       4.44       0.38         Min-Vit & Additive Supplem       0.75       0.38       -       19.73       2.3       31.55       1.95         DMI (Ib/cow/d)       57.13       51.28       19.73       2.3       31.55       1.95         51.28       4.25       18.71       19.73       2.3       31.55       1.95         Mumber of Cows (#)       57.13       51.28       4.25       18       4.25         4.68       4.25       259       18       4.25       18         Mumber of Cows (#)       0.30       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>														
Image: Second		Earran					DMI							
Min-Vit & Additive Supplen       0.75       0.38       -       0.69       0.35       -       -       19.73       2.3       31.55       1.95         DMI (lb/cow/d)       57.13       57.13       19.73       2.3       31.55       1.95       51.28       4.25         Mumber of Cows (#)       4.68       4.25       259       18       4.25       18         Number of Cows (#)       Purchased       Home-Grown       Purchased       Home-Grown       Purchased       Home-Grown         DMI (cost       DMI (cost)       DMI (cost       DMI		_	0.36	0.02	30.76	1.77	0.33	0.02	27.11	1.57	0.33	0.02	27.11	1.57
Total Feed       21.55       2.5       35.57       2.17       19.73       2.3       31.55       1.95       19.73       2.3       31.55       1.95         DMI (lb/cow/d)       57.13       4.68       4.25       51.28       4.25       18         Number of Cows (#)       4.68       4.77       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7 <th></th> <th></th> <th>20.44</th> <th>2.1</th> <th>4.81</th> <th>0.41</th> <th>18.71</th> <th>1.93</th> <th>4.44</th> <th>0.38</th> <th>18.71</th> <th>1.93</th> <th>4.44</th> <th>0.38</th>			20.44	2.1	4.81	0.41	18.71	1.93	4.44	0.38	18.71	1.93	4.44	0.38
DMI (lb/cow/d)       57.13       51.28       51.28         Feed Costs (\$/cow/d)       4.68       4.25       4.25         Number of Cows (#)       4.68       4.25       18         Ration 7       Dry       Ration 8       Dry         Purchased       Home-Grown       DMI Cost       DMI Cost         DMI Cost       DMI Cost       DMI Cost       DMI Cost         DMI Cost       DMI Cost       DMI Cost       DMI Cost         DMI Cost       DMI Cost       DMI Cost       DMI Cost         Min-Vit & Additive Supplerei       0       0       0       0       0       0         DMI (lb/cow/d)       0       0       0       0       0       0       0       0         Feed Costs (\$/cow/d)       0       0       0       0       0       0       0		Min-Vit & Additive Supplen	0.75	0.38	-	-	0.69	0.35	-	-	0.69	0.35	-	-
Feed Costs (\$/cow/d)       4.68         Mumber of Cows (#)       4.68         477       259         Ration 7       Dry         Purchased       Home-Grown         Purchased       Home-Grown         DMI       Cost         Min-Vit & Additive Supplemei       0         Min-Vit & Additive Supplemei       0         DMI       0         DMI       0         DMI       0         DMI       0         O       0         Min-Vit & Additive Supplemei       0         O       0         DMI       (b/cost)         O       0         O       0         DMI<(Ib/cow/d)       0         O       0         O       0         O       0         O       0         O       0         O       0         O       0         O       0         O       0         O       0         O       0         O       0         O       0         O       0         O		Total Feed	21.55	2.5	35.57	2.17	19.73	2.3	31.55	1.95	19.73	2.3	31.55	1.95
Number of Cows (#)         477         259         18           Ration 7         Dry         Ration 8         Dry         Purchased         Purchased           Purchased         Home-Grown         DMI         Cost         DMI         DMI         Cost <th></th> <th>DMI (lb/cow/d)</th> <th>57.13</th> <th></th> <th></th> <th></th> <th>51.28</th> <th></th> <th></th> <th></th> <th>51.28</th> <th></th> <th></th> <th></th>		DMI (lb/cow/d)	57.13				51.28				51.28			
Number of Cows (#)       Ration 7       Dry       Ration 8       Dry       Ration 9       Dry         Ration 7       Dry       Purchased       Home-Grown       Purchased       Home-Grown       Purchased       Home-Grown         DMI       Cost       DMI		Feed Costs (\$/cow/d)	4.68				4.25				4.25			
Purchased         Home-Grown         Purchased         Home-Grown         Purchased         Home-Grown           Forage         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		Number of Cows (#)	477				259				18			
Purchased         Home-Grown         Purchased         Home-Grown         Purchased         Home-Grown           Forage         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Ī		<b></b>											
Forage       DMI       Cost       DMI<														
Forage       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <th></th>														
Energy/Protein Supplemel       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 </th <th></th> <th>Forage</th> <th></th>		Forage												
Min-Vit & Additive Supplen       0       0       -       0       0       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       -       -       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0														
Total Feed         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0					0	0			0	0			0	0
DMI (lb/cow/d)         0         0         0           Feed Costs (\$/cow/d)         0         0         0         0					-	-			-	-			-	-
Feed Costs (\$/cow/d)     0     0		Total Feed		0	0	0		0	0	0		0	0	0
		DMI (lb/cow/d)	0				0				0			
Number of Cows (#)		Feed Costs (\$/cow/d)	0											
		Number of Cows (#)	0				0				0			

Dry

Cost

Purchased

DMI

Dry

Cost

Home-Grown

DMI

CU

Cost

Purchased

DMI

Dry

Cost

Home-Grown

DMI

Fresh

Cost

Purchased

DMI

Lact

Cost

Home-Grown

DMI

Farm Name

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Farm3

### Farm Summary

Month April 2010 -

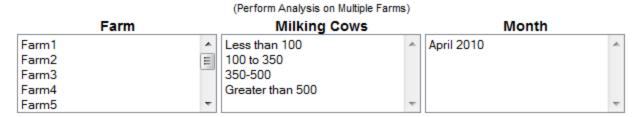
Summary	Milking	Dry
DMI (lb/cow/day)	54.2	25.97
MILK/DMI	1.75	
FCM/DMI	1.64	
ECM/DMI	1.74	
PURCHASED FEED COST (\$/cow/day)	2.41	0.83
HOME GROWN FEED COST (\$/cow/day)	2.05	1.17
SUPPLEMENT FEED COST (\$/cow/day)	0.01	
TOTAL FEED COSTS (\$/cow/d)	4.46	1.99
INCOME OVER PURCHASED SUPPLEMENT COST (IOPSC) (\$/cow/day)	15.21	
INCOME OVER PURCHASED FEED COSTS (IOPFC) (\$/cow/day)	12.81	
INCOME OVER FEED COSTS (IOFC) (\$/cow/day)	10.76	





		4-ST/	AT	E DA	IR	Y EX	ΓE	UWEX-DAIRY MANAGEMENT	
Farms	9	Ingredients	瀬	Rations	T.	Summary	ŧ.	Analysis	

#### ANALYSIS







### Analyses

Farm		Milking Cows	Month		
Farm1 Farm2		Less than 100 100 to 350	*	April 2010	<b>^</b>
Farm3		350-500			
Farm4		Greater than 500			
Farm5	-		$\overline{\mathbf{v}}$		-

Standardized Standardized Farm/Mailbox

Analyze

Clear Selections

#### Download Summary Net Summary Farms Analyzed 10

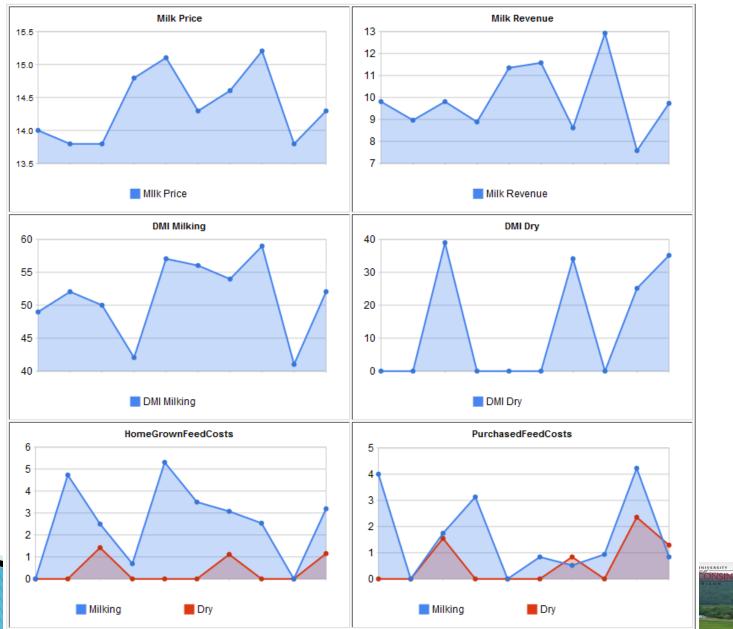
Farm Statistics

Farm Parameters	Min	25%Tile	Mean	75%Tile	Max
Milk Bulk Tank(lb/cow/day)	55	60	68.9	75	85
Milk Butterfat(%)	3.4	3.5	3.53	3.6	3.6
Milk Protein(%)	3	3.1	3.16	3.2	3.3
Milk Price(\$/cwt)	13. <mark>8</mark>	13.8	14.37	14.8	15.2
Milk Revenue(\$/cow/day)	7.59	8.88	9.92	11.33	12.92

Summary			Milking	9		Dry						
	Min	25%Tile	Mean	75%Tile	Max	Min	25% Tile	Mean	75%Tile	Max		
DMI (lb/cow/day)	41	49	51.2	56	59	25	]	33.25		39		
MILK/DMI	1.09	1.31	1.35	1.43	1.45							
FCM/DMI	1.01	1.01	1.25	1.33	1.35							
ECM/DMI	1.08	1.32	1.35	1.45	1.46							
FORAGE COSTS (\$/cow/day)	1.81	2.32	2.62	2.99	3.53	0	0	2.39	2.35	2.79		
ENERGY COSTS (\$/cow/day)	1.26	1.44	1.56	1.67	1.79	0	0	0.05	0	0.19		
MINERAL COSTS (\$/cow/day)	0	0	0	0	0	0	0	0	0	0		
PURCHASED FEED COST (\$/cow/day)	0	0.51	1.62	3.13	4.22	0.85		1.51		2.35		
HOME GROWN FEED COST (\$/cow/day)	0	0.69	2.55	3.5	5.32	0	]	0.93		1.44		
SUPPLEMENT COSTS (\$/cow/day)	0	0.01	0.03		0.09							
TOTAL FEED COSTS (\$/cow/d)	3.48	3.84	4.2	4.35	5.32	1.95	]	2.43		2.98		
INCOME OVER PURCHASED SUPPLEMENT COSTS (IOPSC) (\$/cow/day)	7.5	5.79	9.9	11.32	12.9							
INCOME OVER PURCHASED FEED COSTS (IOPFC) (\$/cow/day)	3.37	5.79	8.3	10.74	11.99							
INCOME OVER FEED COSTS (IOFC) (\$/cow/day)	3.37	5.03	5.74	6	9.46							
INCOME OVER FEED COSTS per CWT (IOFC/cwt) (\$/cwt)	6.13	8.38	8.34	8	12.61							

### Analyses

Graphical Representation (Click on the Data Point for mroe information)



<u>Extension</u>

### Analyses



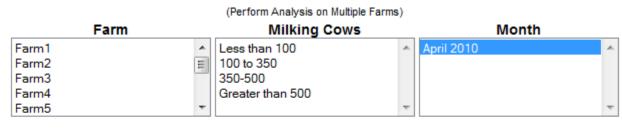
### **Standardized Price Analyses**

#### 4-STATE DAIRY EXTENSION FEED COST EVALUATOR

UWEX -DAIRY MANAGEMENT

	Farms	Ĕ	Ingredients	ŀ	Rations	Ť	Summary (		Analysis		LOGOUT
--	-------	---	-------------	---	---------	---	-----------	--	----------	--	--------

#### ANALYSIS



(Ctrl + Click to Make Multiple Selection) Standardized Farm/Mailbox

Include in Analysis	Ingredient	%DM	Effective Price As Fed (\$/t	on) <sup>Prie</sup>	ce As Fed (\$/t	ion) l	Price DM (\$/ton)
	Corn Silage Cosi		0				
	Hay Forage		0				
	Corn CGG		0				
	SoybeanMeal SBM		0				
		\$/cwt					
	Milk Price						
						_	
					Analyze	•	Clear Selec

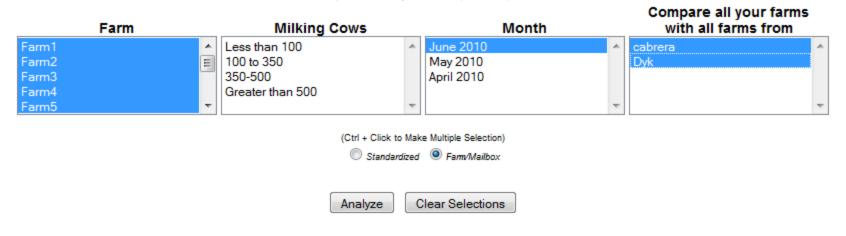
### **Groups of Farms Analyses**

#### 4-STATE DAIRY EXTENSION FEED COST EVALUATOR

UWEX -DAIRY MANAGEMENT

Ingredients   Rations   Summary   Analysis
--------------------------------------------

#### ANALYSIS



П

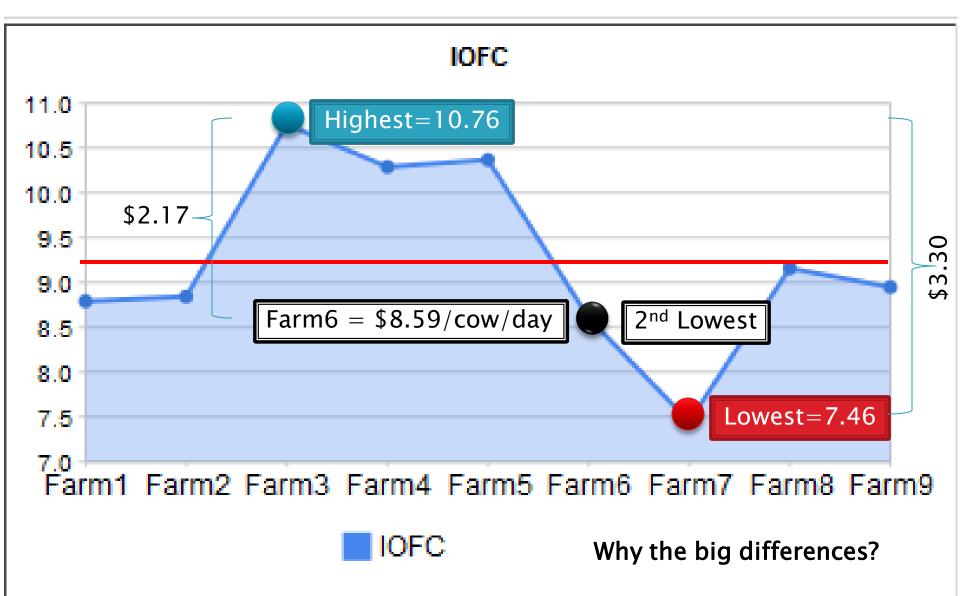
(Perform Analysis on Multiple Farms)

### A Case Study

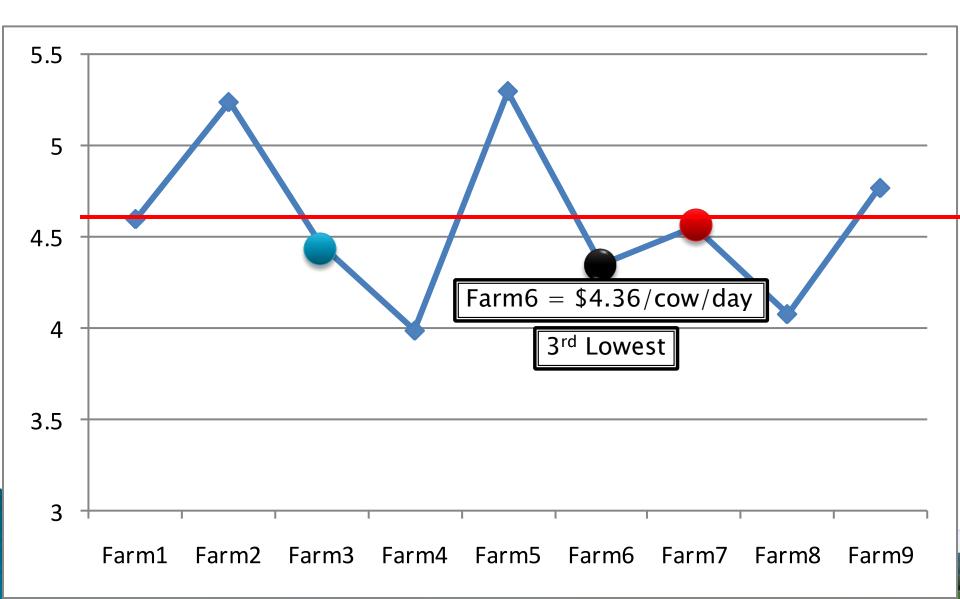
- > 9 Wisconsin farms
- > April Data
- Same Geographical Area
   Fond Du Lac
   ~ 12,000 cows
   25% cows in County
- Collected by: Paul Dyk



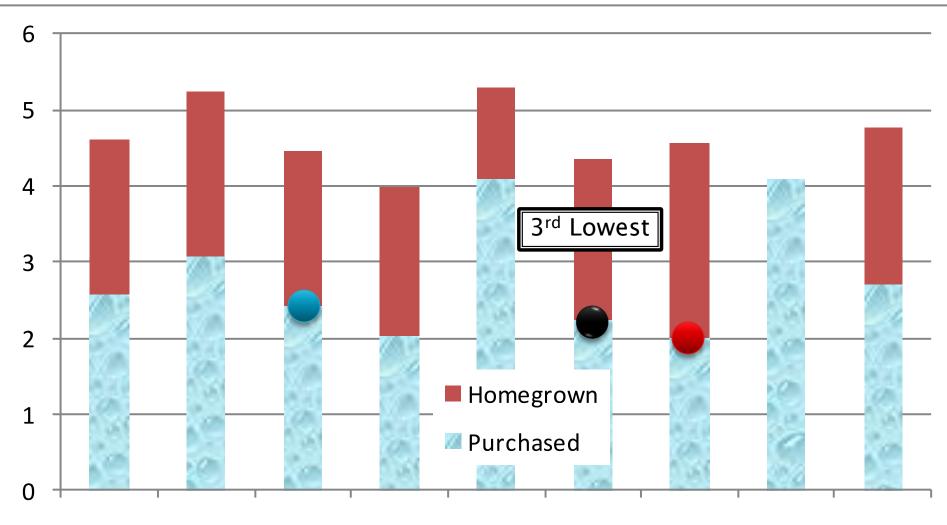
### Income over Feed Cost (\$/cow/d)



### Feed Costs (Milking) (\$/cow/d)

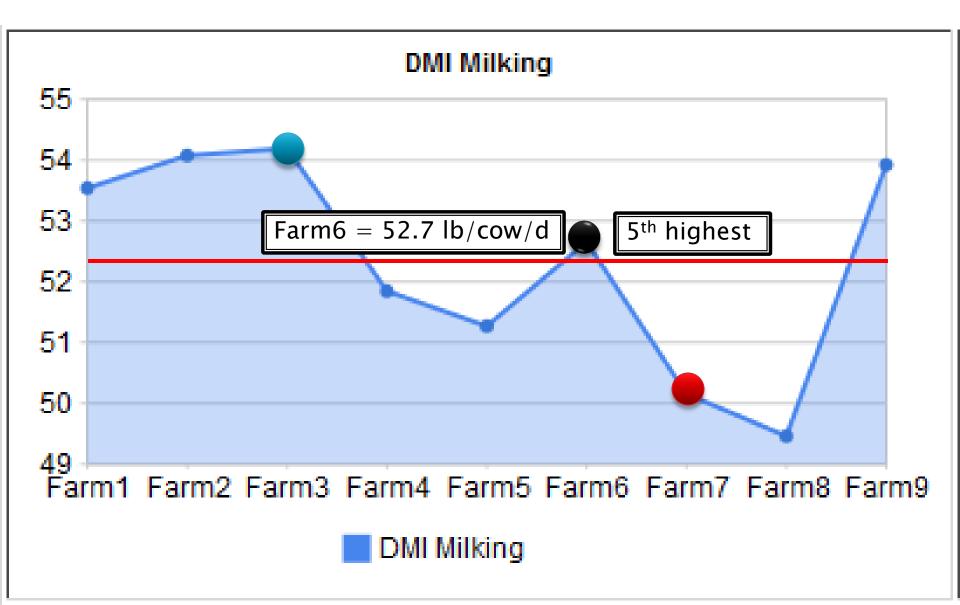


### Feed Costs (Milking) (\$/cow/d)

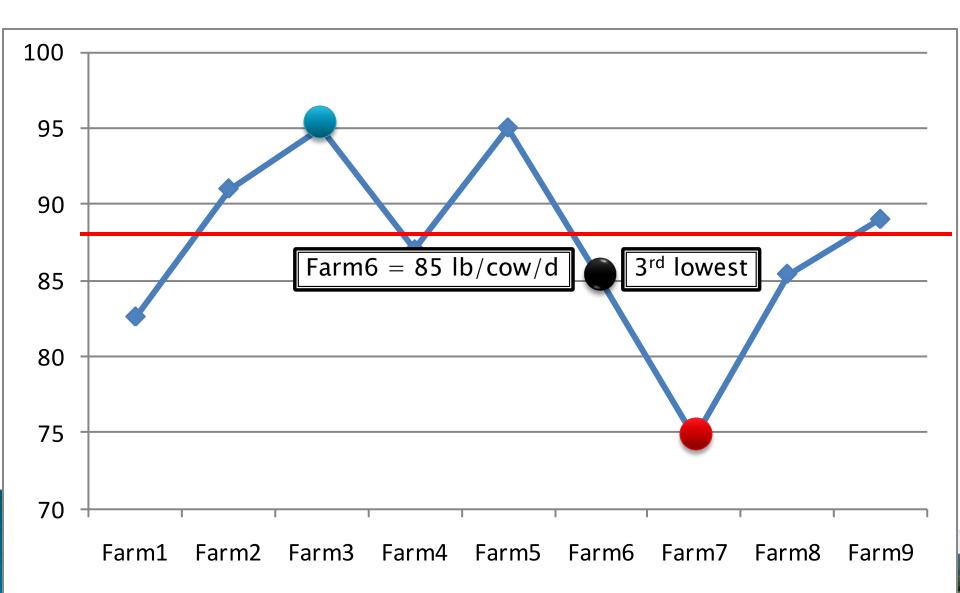


Farm1 Farm2 Farm3 Farm4 Farm5 Farm6 Farm7 Farm8 Farm9

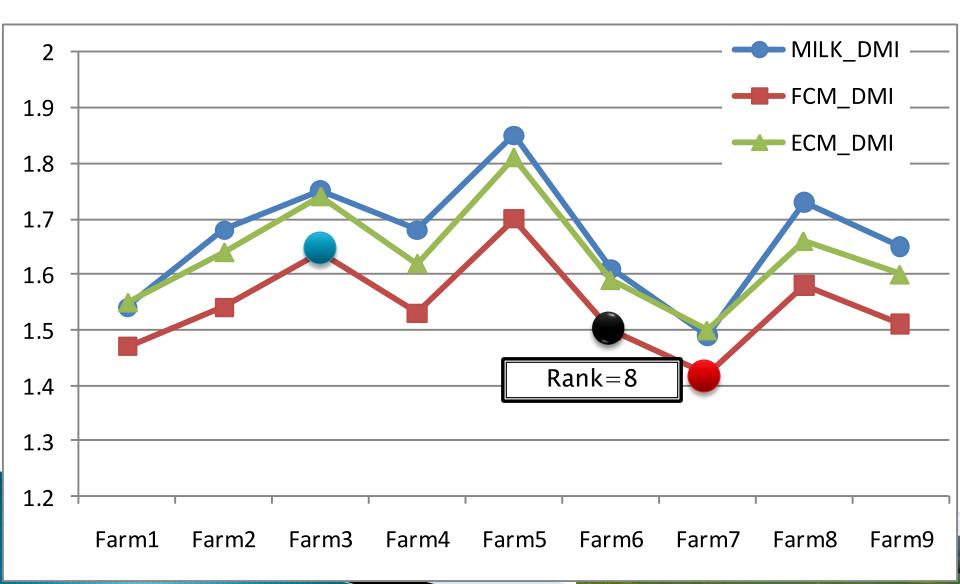
### Dry Matter Intake (lb/cow/d)



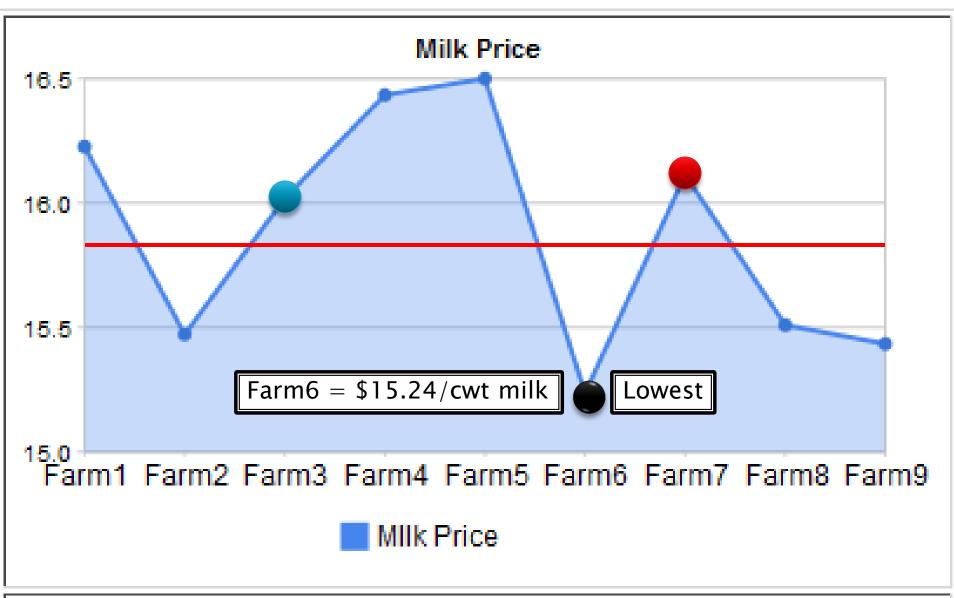
### Milk Bulk Tank (lb/cow/d)



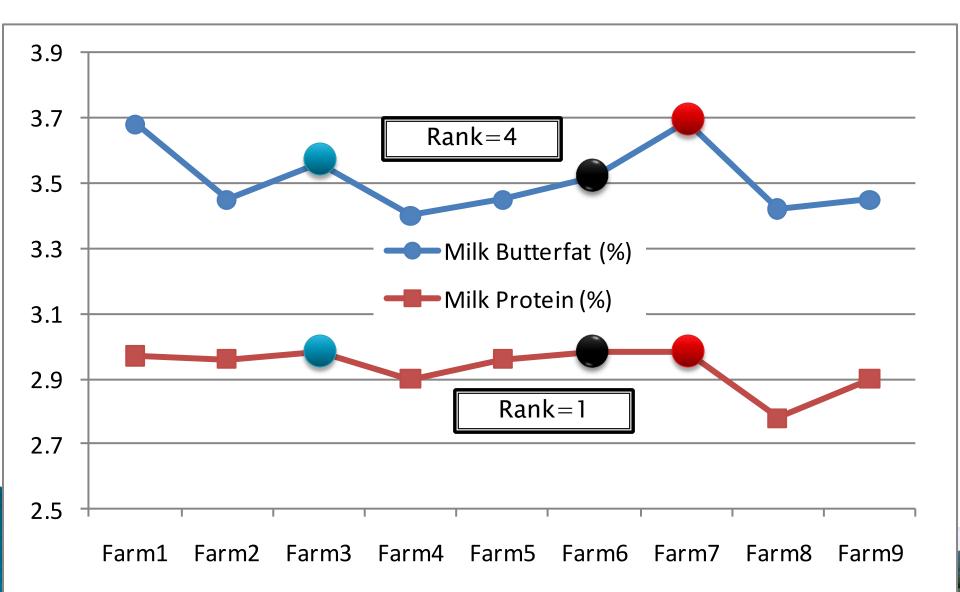
### **Feed Efficiency**



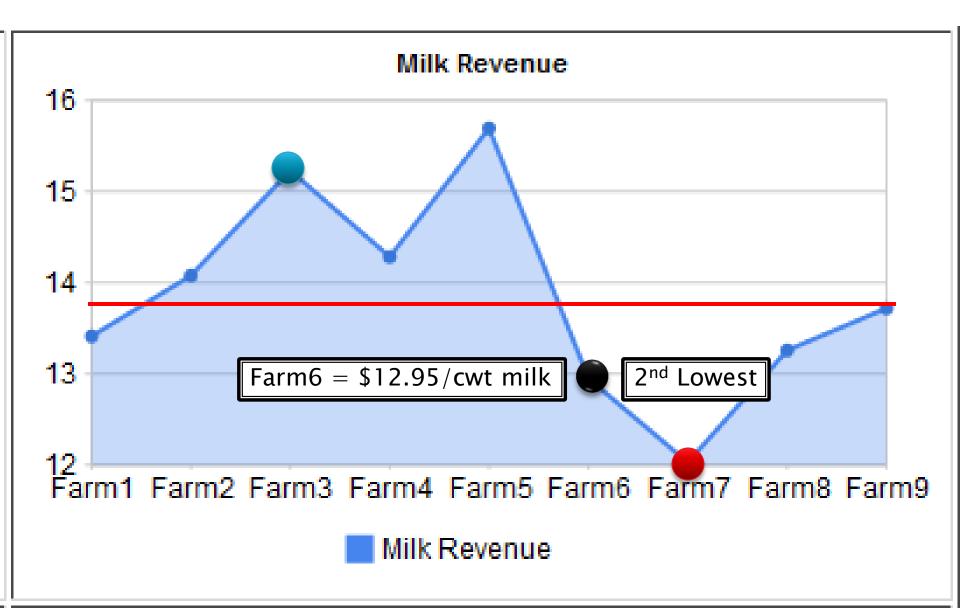
### Milk Price (\$/cwt milk)



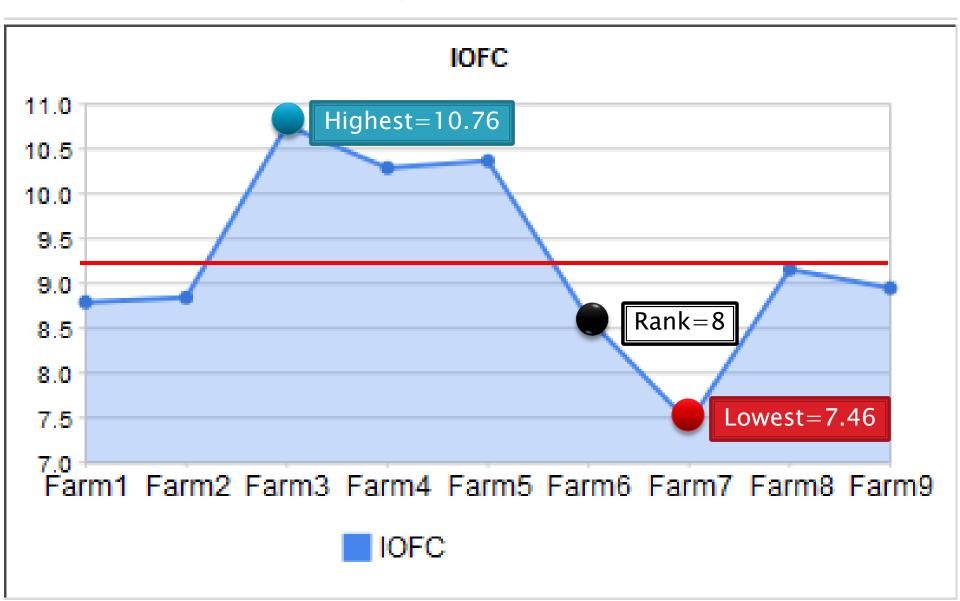
### Milk Components



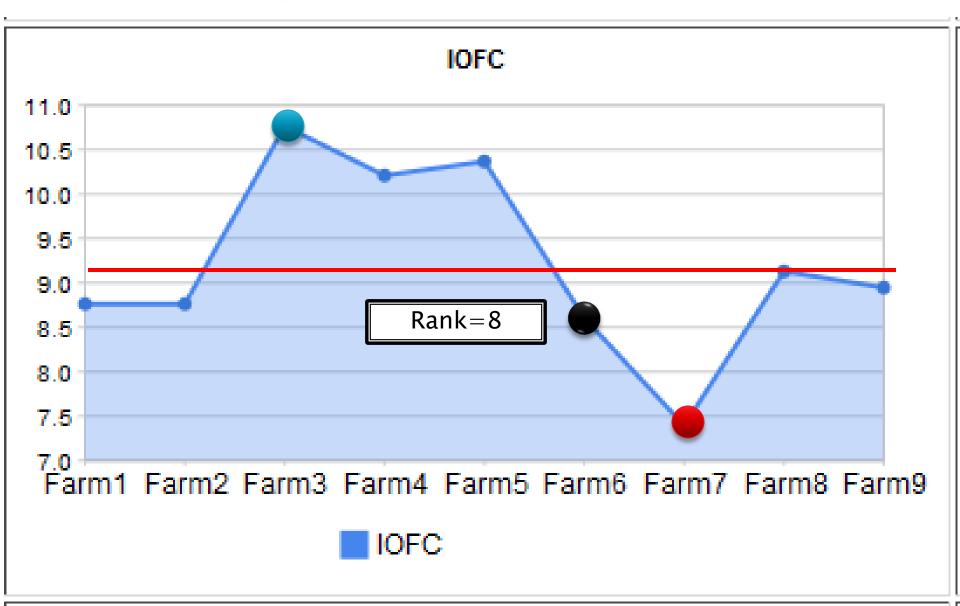
### Milk Revenue (\$/cow/d)



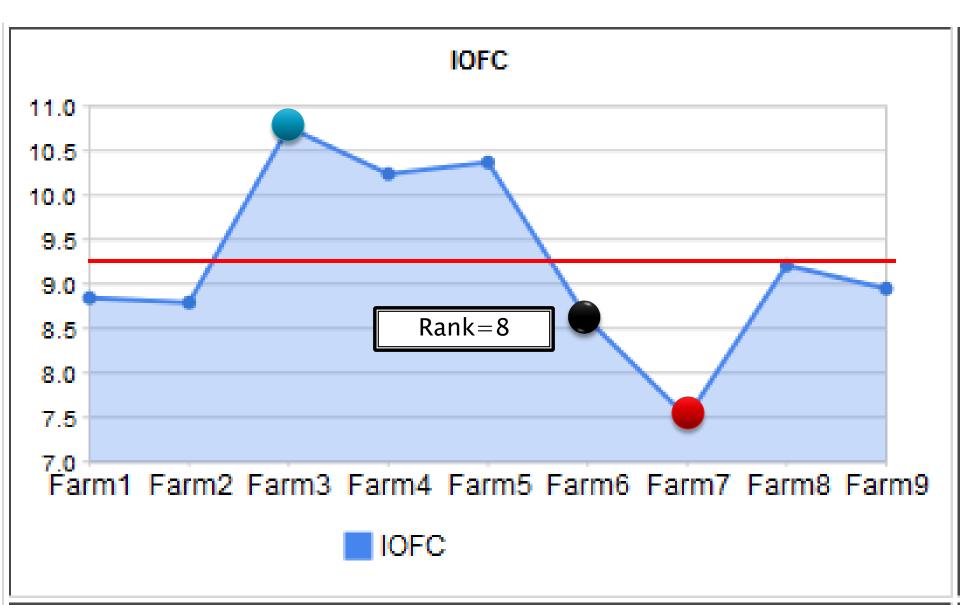
#### **IOFC-Farm Reported Prices**



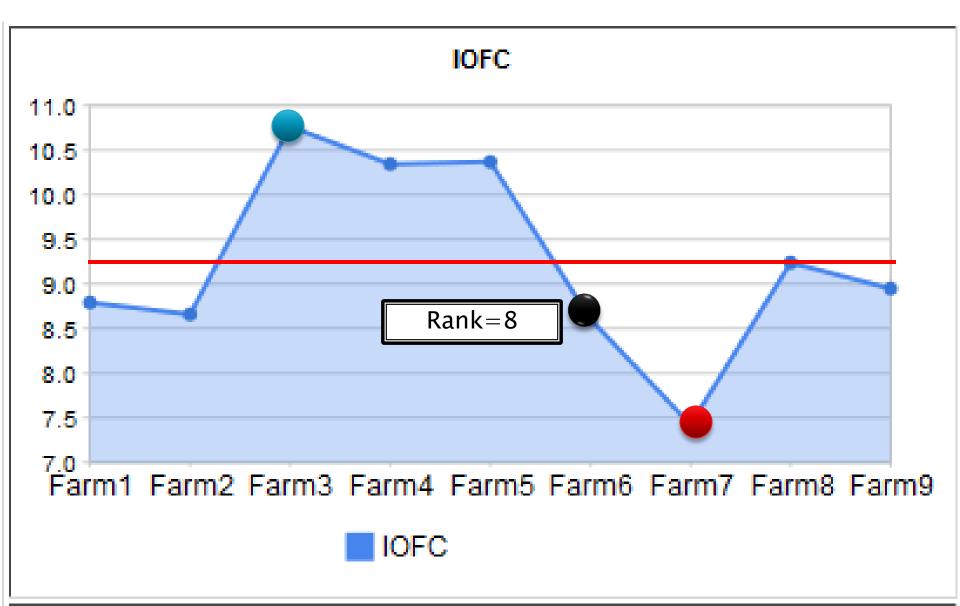
#### Corn Silage=36%, \$103.14/t DM



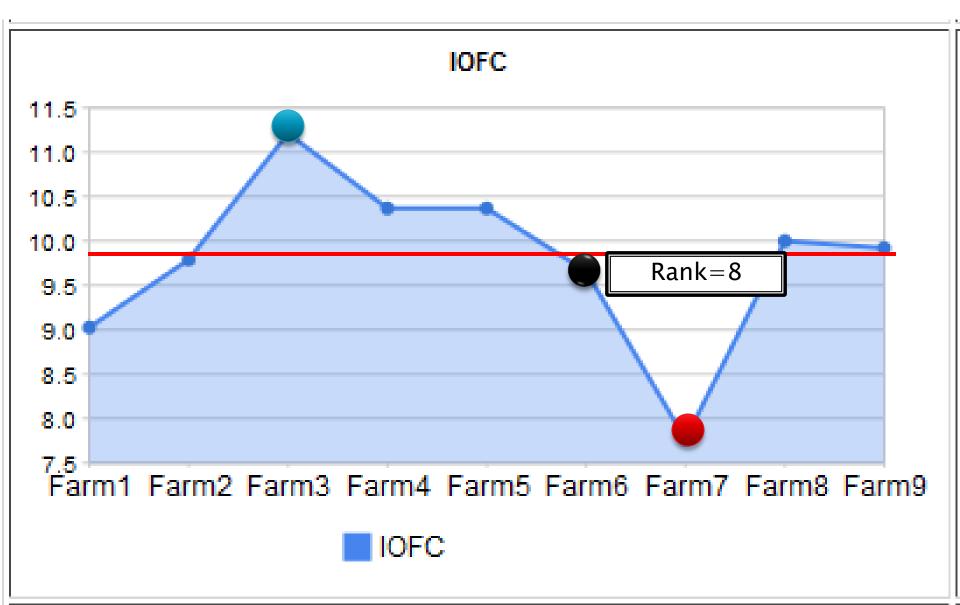
#### Hay Forage=46%, \$135.36/t DM



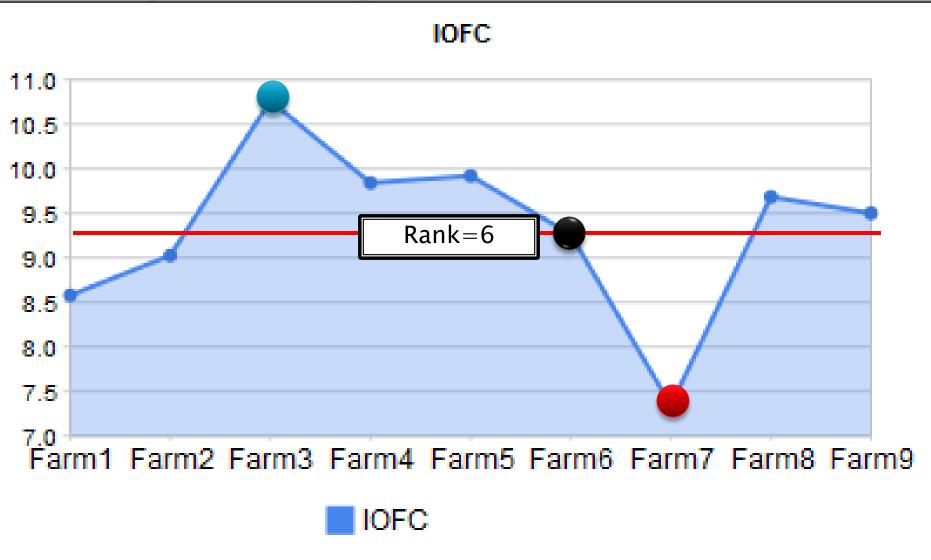
### Corn Grain=76%, \$169.41/t DM



#### Milk Price=\$16.5/cwt milk



# Best Prices (milk, corn silage, hay forage, corn grain)



#### Farm6 Improvement Plan

- > Look for better milk price
  - Negotiate a better price
    - > Good milk components relatively and lowest price received
- > Improve feed efficiency
  - Look ways to enhance production at the DMI level
  - Maintain milk production reducing DMI
  - Check feed quality
- Reduce feed costs
   Homegrown and Purchased
   Forages and Concentrates

### **Comparison Among Farm Groups**

		9 Farms Fond du Lac (April)				21 Farm nnsylva (May)	nia1	10 Farms Kewaunee (September)			
		Min Max Mean			Min	Max	Mean	Min	Max	Mean	
Milk	lb/cow/d	75.02	95.23	87.20	55.50	81.02	71.58	67.90	86.80	79.00	
Milk Price	\$/cwt	15.24 16.50 <b>15.80</b> 15		15.70	17.82	16.53	15.88	15.88	15.88 <sup>2</sup>		
Milk Revenue	\$/cow/d	12.25	15.80	13.80	9.28	13.6	11.84	10.78	13.78	12.55	
Dry matter intake	lb/cow/d	54.20	49.50	52.34				44.38	55.30	51.46	
Feed cost	\$/cow/d	3.95	5.40	4.59	3.48	6.16	4.91	4.61	5.49	4.94	
IOFC	\$/cow/d			4.30	9.56	6.93	6.98	11.24	8.37		
IOFC	\$/cwt			7.75	11.80	9.68	9.38	10.36	9.68		
		1 Ishle	er et al	(Hoai	rd's Oa	-t 25 3	$2010  {\rm m}$	a 719)			

<sup>1</sup>Ishler et al., (Hoard's Oct 25, 2010 pg. 719) <sup>2</sup>Standardized price



#### IOFC 65-lb ration<sup>1</sup>

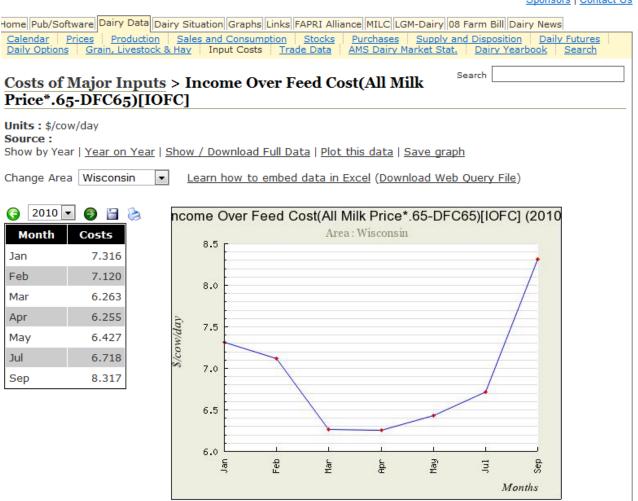


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<sup>1</sup>Bailey and Ishler, 2007

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#### Dairy Management

Dairy Management site is designed to support dairy farming decision-making focusing on model-based scientific research. The ultimate goal is to provide user-friendly computerized decision support systems to help dairy farms improve their economic performance. Dr. Vidor Cabrera focuses on model-based decision support in dairy cattle and in dairy farm production systems. Dr. Cabrera's primary interest is to improve costefficiency and profilability along with environmental stewardship in dairy farms by using simulation techniques, artificial intelligence, and expert systems. Dr. Cabrera's research and Extension programs involve interdisciplinary and participatory approaches towards the creation of userfriendly decision support systems. As an Extension Specialist, Dr. Cabrera works in close relationships with county-based Extension faculty, dairy producers, consultants, and related industry.

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#### 4-State Dairy Extension Feed Cost Evaluator

#### Management Tools

A collection of state-of-the-art dairy management tool that are: user-friendly, in eractive, robust, visually attractive, and self contained. All these tools have clear or self-explanatory instructions and technical support available.

Click on the Tool title to learn more.

#### Feeding

Optigen® C-autor

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We' hased Database System (Open) Demo ( Che' to View the Video)

.

Corn Feeding Strategies
 Dairy Ration Feed Additive Break-Even Analysis

 Description
 Baseline

 Image: Image:



# **Dairy Feed Cost Evaluator**

> Available to anyone interested in evaluate Feed Costs and IOFC:

Track farm trends over time

Compare farms in a region

Compare across regions

➤ Contribute to database → Use available data



# Thanks

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