

FeedVal 2012: Find the Actual Value of Feeds

Victor E. Cabrera

Analyze Restore Default Values

Select Number of Nutrients: 6 Hide/Show Price Inputs View Overview Download Spreadsheet

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
Select/Unselect All	Nutrient						As-Fed Basis			Calculated	
	RUP %	RDP %	NE13%	Lipid	peND	Ca %	DM %	Price \$/Unit	Unit	Predicted Value \$/Unit	Actual Price as % of Predicted Value
Ingredients ↓	Nutrient Calculated Value, \$/Unit										
	0.287	0.087	0.094	0.061	0.021	0.535					
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	89	6	bu	5.248 /bu	114
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	1.1	0	0.35	89	300	ton	330.39 /ton	91
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	89	280	ton	307.74 /ton	91
<input checked="" type="checkbox"/> Soybean Meal expeller	30	16	1.09	8	0	0.36	92	325	ton	385.30 /ton	84
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	19	0	0.32	87	380	ton	330.20 /ton	115
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	19	0	0.26	92	425	ton	388.44 /ton	109
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	2	35	1.3	87	180	ton	176.48 /ton	102
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	2	50	1	87	120	ton	152.58 /ton	79
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	0.28	35	50	ton	59.183 /ton	84

UW-Dairy Management

DairyMGT.info

The screenshot shows the home page of DairyMGT.info. At the top, there is a banner with the text "Dairy Management UW-Extension University of Wisconsin-Madison" and logos for "THE UNIVERSITY OF WISCONSIN" and "UW Extension". Below the banner is a navigation menu with items: Home, Tools, Projects, Publications, Presentations, Links, Find, About, Contact, Comments, News, People, Opportunities, Gallery, and a search box. The main content area is titled "Dairy Management" and contains a paragraph describing the site's purpose: "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. Victor Cabrera focuses on model-based decision support in dairy cattle and in dairy farm production systems. Dr. Cabrera's primary interest is to improve cost-efficiency and profitability 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 user-friendly decision support systems. As an Extension Specialist, Dr. Cabrera works in close relationships with county-based Extension faculty, dairy producers, consultants, and related industry." Below this text are three columns of links: "Latest Projects" (Genomic Selection and Herd Management, Dairy Reproduction Decision Support Tools, Strategies of Pasture Supplementation, Improving Dairy Cow Fertility, LGM-Dairy), "Helpful Link" (Repro Money Program, Contact), and a "TOOLS" section featuring a photo of Victor E. Cabrera, Ph.D., Assistant Professor Extension Specialist Dairy Management, with contact information (1675 Observatory Dr. Madison, WI 53706, (608) 265-8506, vcabrera@wisc.edu Professional Page) and a "READ MORE" button.



Tools

The screenshot shows the "Tools" page on DairyMGT.info. It features a navigation menu at the top with items: Home, Tools, Projects, Publications, Presentations, Links, Find, Feeding, Heifers, Reproduction, Production, Replacement, Financial, Price Risk, Environment. The main heading is "Management Tools" with a sub-heading: "A collection of state-of-the-art dairy management tool that are: user-friendly, interactive, robust, visually attractive, and self contained. All these tools have clear or self-explanatory instructions and technical support available." Below this is a list of tool categories: "Feeding" (Grouping Strategies for Feeding Lactating Dairy Cattle, Optigen® Evaluator, Income Over Feed Supplement Cost, Dairy Extension Feed Cost Evaluator, Com Feeding Strategies, Income Over Feed Cost, Dairy Ration Feed Additive Break-Even Analysis), "Heifers" (Cost-Benefit of Accelerated Liquid Feeding Program for Dairy Calves, Economic Value of Sexed Semen Programs for Dairy Heifers, Heifer Replacement, Heifer Break-Even), "Reproduction" (Economic Value of Sexed Semen Programs for Dairy Heifers, UW-DairyRepro\$: A Reproductive Economic Analysis Tool, Exploring Timing of Pregnancy Impact on Income Over Feed Cost, Dairy Reproductive Economic Analysis), and "Production".

FeedVal 2012

- Decision support tool to assess the ACTUAL value of dairy feed ingredients
- Help dairy producers, nutritionists, and consultants make economical decisions:
 - Purchasing feed ingredients
 - Using available feed ingredients

FeedVal 2012

- What it does?
 - Calculates the value of individual NUTRIENTS
 - Calculates the value of feed INGREDIENTS
 - Gives RELATIVE value of feed ingredients

FeedVal 2012

- How it does it?
 - Value of a feed ingredient is the AGGREGATED value of its nutrients
 - Nutrient value is the average nutrient value in selected feed ingredients
 - Relative value compares market against predicted feed value

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
Ingredient	Nutrient Calculated Value, \$/Unit DM						As-Fed Basis Prices			Calculated	
	RUP %	RDP %	NEB %	CP %	CP NDF %	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	89	8	bu		
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	1.1	0	0.35	89	550	ton		
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	89	500	ton		
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09	8	0	0.36	92	525	ton		
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	19	0	0.32	87	583	ton		
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	19	0	0.26	92	600	ton		
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	2	35	1.3	87	250	ton		
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	2	50	1	87	150	ton		
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	0.28	35	60	ton		
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	12	0	0.22	89	270	ton		
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03	70	200	ton		
<input checked="" type="checkbox"/> Tallow	0	0	2.06	100	0	0	99	25	cwt		
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	1.2	0	0.3	94	700	ton		
<input checked="" type="checkbox"/> Urea	0	287	0	0	0	0	99	500	ton		
<input checked="" type="checkbox"/> Straw	4	1	0.45	0.37	75	0.31	85	140	ton		
<input checked="" type="checkbox"/> Soy Hulls	6	8	0.67	2.7	0	0.63	89	280	ton		
<input checked="" type="checkbox"/> Corn Gluten Feed	7.5	16.5	0.79	3.5	0	0.7	89	250	ton		
<input checked="" type="checkbox"/> Canola Meal, expeller	17	21	0.8	5.4	0	0.75	89	360	ton		
<input checked="" type="checkbox"/> Canola Meal, solvent	13.5	24.5	0.74	1.5	0	0.75	89	400	ton		
<input checked="" type="checkbox"/> Cottonseed Meal	20	25	0.78	1.9	0	0.2	89	360	ton		
<input checked="" type="checkbox"/> Wheat Middlings	4.5	14	0.76	4.3	0	0.16	89	240	ton		
<input checked="" type="checkbox"/> Whole Cottonseed	6	18	0.88	19.3	22	0.17	89	300	ton		
<input checked="" type="checkbox"/> Hi-Pro Distillers	22	22	0.9	4	0	0.22	89	300	ton		
<input checked="" type="checkbox"/> Wet Distillers	12	18	0.92	15	0	0.22	45	125	ton		
<input checked="" type="checkbox"/> Brewers Dried Grains	15	15	0.78	5.2	0	0.3	89	250	ton		
<input checked="" type="checkbox"/> Wet Brewers	12	18	0.78	5.2	0	0.35	25	75	ton		
<input checked="" type="checkbox"/> Malt Sprouts	9	21	0.68	2.3	0	0.24	89	250	ton		
<input checked="" type="checkbox"/> Sunflower Meal	8	21	0.63	1.4	0	0.48	89	320	ton		
<input checked="" type="checkbox"/> Beet Pulp	5	5	0.67	1.1	0	0.91	89	150	ton		
<input checked="" type="checkbox"/> Hominy	4	8	0.86	4.2	0	0.03	89	250	ton		
<input checked="" type="checkbox"/> Linseed Meal	16	16	0.72	1.7	0	0.4	89	370	ton		
<input checked="" type="checkbox"/> Molasses	2	4	0.8	0.2	0	1	89	175	ton		
<input checked="" type="checkbox"/> Corn Gluten Meal	42	23	1.08	2.5	0	0.06	89	640	ton		
<input checked="" type="checkbox"/> Wheat Bran	3.5	14	0.73	4.3	0	0.13	89	240	ton		
<input checked="" type="checkbox"/> Whey	1	9	0.85	0.7	0	1.37	20	50	ton		
<input checked="" type="checkbox"/> Oats	4.5	8.5	0.81	5.1	0	0.11	89	250	ton		
<input checked="" type="checkbox"/> Wheat	4.2	10	0.91	2.3	0	0.05	89	8.4	bu		
<input checked="" type="checkbox"/> Barley	3.4	9	0.85	2.2	0	0.06	89	14.75	cwt		
<input type="checkbox"/> Extra Ingredient									ton		
<input type="checkbox"/> Extra Ingredient									ton		
<input type="checkbox"/> Extra Ingredient									ton		

Ingredients

Results

1

Select if to use negative nutrient values

Upload data as Excel file: No file chosen

Analyze Disregard negative Nutrient Calculated Values

Select Number of Nutrients: 6

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
<input checked="" type="checkbox"/> Ingredient	Nutrient						As-Fed Basis			Calculated	
	RUP %	RDP %	NE13x M	Lipid %	peNDF	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Nutrient Calculated Value, \$/Unit DM							2012 Septemb				
Ingredients ↓											
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	89	8	bu		
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	1.1	0	0.35	89	550	ton		
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	89	500	ton		
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09	8	0	0.36	92	525	ton		
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	19	0	0.32	87	583	ton		
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	19	0	0.26	92	600	ton		
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	2	35	1.3	87	250	ton		
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	2	50	1	87	150	ton		
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	0.28	35	60	ton		
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	12	0	0.22	89	270	ton		
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03	70	200	ton		
<input checked="" type="checkbox"/> Tallow	0	0	2.06	100	0	0	99	25	cwt		
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	1.2	0	0.3	94	700	ton		
<input checked="" type="checkbox"/> Urea	0	287	0	0	0	0	99	500	ton		
<input checked="" type="checkbox"/> Straw	4	1	0.45	0.37	75	0.31	85	140	ton		

2

Select number of nutrients

Upload data as Excel file:

No file chosen

Upload

Analyze Disregard ne

Select Number of Nutrient

nt Calculated Values

Hide Price Inputs

Restore Default Values

Download Spreadsheet

PUTS - Nutrients for Ingredients

INPUTS - Price Inputs

OUTPUTS

Ingredient	Nutrient						As-Fed Basis			Calculated	
	RDP %	NE13x M	Lipid %	peNDF	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value	
Shelled Corn	4.5	4.5	0.91	4.2	0	89	8	bu			
Soybean Meal 48%	21	33	1	1.1	0	89	550	ton			
Soybean Meal 44%	17.5	32.5	0.97	1.6	0	89	500	ton			
Soybean Meal, expeller	30	16	1.09	8	0	92	525	ton			
Soybeans, raw	12	28	1.25	19	0	87	583	ton			
Soybeans, heated	22	21	1.24	19	0	92	600	ton			
Good Quality Hay	6	14	0.6	2	35	87	250	ton			
Poor Quality Hay	4.8	11.2	0.5	2	50	87	150	ton			
Corn Silage	2.8	4.2	0.67	3.2	30	35	60	ton			
Distillers Dried Grains	15	15	0.9	12	0	89	270	ton			
High-Moisture Corn	3.6	5.4	0.95	4.2	0	70	200	ton			
Tallow	0	0	2.06	100	0	99	25	cwt			
Blood Meal	76	19	1.06	1.2	0	94	700	ton			
Urea	0	287	0	0	0	99	500	ton			
Straw	4	1	0.45	0.37	75	85	140	ton			

3

Select combination of nutrients

Upload data as Excel file: No file chosen

Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
Ingredient	Nutrient					As-Fed Basis			Calculated		
	RUP %	NEI3x Mcal/lb	Lipid %	peNDF %	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value	
<input checked="" type="checkbox"/> Shelled Corn						89	8	bu			
<input checked="" type="checkbox"/> Soybean Meal 48%						89	550	ton			
<input checked="" type="checkbox"/> Soybean Meal 44%						89	500	ton			
<input checked="" type="checkbox"/> Soybean Meal, expelle						92	525	ton			
<input checked="" type="checkbox"/> Soybeans, raw						87	583	ton			
<input checked="" type="checkbox"/> Soybeans, heated						92	600	ton			
<input checked="" type="checkbox"/> Good Quality Hay						87	250	ton			
<input checked="" type="checkbox"/> Poor Quality Hay						87	150	ton			
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	35	60	ton			
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	12	0	89	270	ton			
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	4.2	0	70	200	ton			
<input checked="" type="checkbox"/> Tallow	0	0	2.06	100	0	99	25	cwt			
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	1.2	0	94	700	ton			
<input checked="" type="checkbox"/> Urea	0	287	0	0	0	99	500	ton			
<input checked="" type="checkbox"/> Straw	4	1	0.45	0.37	75	85	140	ton			

4

Select ingredients

Upload data as Excel file: No file chosen

Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
Ingredient	Nutrient						As-Fed Basis			Calculated	
	RUP %	RDP %	NE13x M	Lipid %	peNDF	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Ingredients ↓	Nutrient Calculated Value, \$/Unit DM						2012 Septemb				
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	89	8	bu		
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	1.1	0	0.35	89	550	ton		
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	89	500	ton		
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09	8	0	0.36	92	525	ton		
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	19	0	0.32	87	583	ton		
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	10	0	0.26	92	600	ton		
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	2	35	1.3	87	250	ton		
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	2	50	1	87	150	ton		
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	0.28	35	60	ton		
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	12	0	0.22	89	270	ton		
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03	70	200	ton		
<input checked="" type="checkbox"/> Tallow	0	0	2.06	100	0	0	99	25	cwt		
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	1.2	0	0.3	94	700	ton		
<input checked="" type="checkbox"/> Urea	0	287	0	0	0	0	99	500	ton		
<input checked="" type="checkbox"/> Straw	4	1	0.45	0.37	75	0.31	85	140	ton		

5

Edit ingredients & their nutrient composition

Upload data as Excel file: No file chosen

Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
<input checked="" type="checkbox"/> Ingredient	Nutrient						As-Fed Basis			Calculated	
	RUP %	RDP %	NE13x M	Lipid %	peNDF	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Nutrient Calculated Value, \$/Unit DM											
Ingredients ↓											
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	89	8	bu		
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	1.1	0	0.35	89	550	ton		
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	89	500	ton		
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09	8	0	0.36	92	525	ton		
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	19	0	0.32	87	583	ton		
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	19	0	0.26	82	600	ton		
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	2	35	1.3	87	250	ton		
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	2	50	1	87	150	ton		
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	0.28	35	60	ton		
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	12	0	0.22	89	270	ton		
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03	70	200	ton		
<input checked="" type="checkbox"/> Tallow	0	0	2.06	100	0	0	99	25	cwt		
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	1.2	0	0.3	94	700	ton		
<input checked="" type="checkbox"/> Urea	0	287	0	0	0	0	99	500	ton		
<input checked="" type="checkbox"/> Straw	4	1	0.45	0.37	75	0.31	85	140	ton		

6

Edit ingredients units, DM & prices

Upload data as Excel file: No file chosen

Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
<input checked="" type="checkbox"/> Ingredient	Nutrient						As-Fed Basis			Calculated	
	RUP %	RDP %	NE13x M	Lipid %	peNDF	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Nutrient Calculated Value, \$/Unit DM											
Ingredients ↓											
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	89	8	bu		
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	1.1	0	0.35	89	550	ton		
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	89	500	ton		
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09	8	0	0.36	92	525	ton		
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	19	0	0.32	87	583	ton		
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	19	0	0.26	92	600	ton		
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	2	35	1.3	87	250	ton		
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	2	50	1	87	150	ton		
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	0.28	35	60	ton		
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	12	0	0.22	89	270	ton		
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03	70	200	ton		
<input checked="" type="checkbox"/> Tallow	0	0	2.06	100	0	0	99	25	cwt		
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	1.2	0	0.3	94	700	ton		
<input checked="" type="checkbox"/> Urea	0	287	0	0	0	0	99	500	ton		
<input checked="" type="checkbox"/> Straw	4	1	0.45	0.37	75	0.31	85	140	ton		

7

Perform a calculation!

Upload data as Excel file: No file chosen

← Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
Ingredient	Nutrient						As-Fed Basis			Calculated	
	RUP %	RDP %	NEI3x M	Lipid %	peNDF	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Nutrient Calculated Value, \$/Unit DM							2012 Septemb				
Ingredients ↓	0.294	0.093	0.166	-0.081	-0.008	-0.691					
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	89	8	bu	8.222 /bu	97
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	1.1	0	0.35	89	550	ton	454.347 /ton	121
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	89	500	ton	425.010 /ton	118
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09	8	0	0.36	92	525	ton	506.278 /ton	104
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	19	0	0.32	87	583	ton	437.393 /ton	133
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	19	0	0.26	92	600	ton	502.291 /ton	119
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	2	35	1.3	87	250	ton	203.229 /ton	123
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	2	50	1	87	150	ton	165.053 /ton	91
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	0.28	35	60	ton	81.497 /ton	74
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	12	0	0.22	89	270	ton	349.427 /ton	77
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03	70	200	ton	237.828 /ton	84
<input checked="" type="checkbox"/> Tallow	0	0	2.06	100	0	0	99	25	cwt	25.845 /cwt	97
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	1.2	0	0.3	94	700	ton	778.273 /ton	90
<input checked="" type="checkbox"/> Urea	0	287	0	0	0	0	99	500	ton	528.316 /ton	95
<input checked="" type="checkbox"/> Straw	4	1	0.45	0.37	75	0.31	85	140	ton	133.795 /ton	105

8

Analyze results

Upload data as Excel file: No file chosen

Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients							INPUTS - Price Inputs			OUTPUTS	
<input checked="" type="checkbox"/> Ingredient	Nutrient						As-Fed Basis			Calculated	
	RUP %	RDP %	NEI3x N	Lipid %	peNDF	Ca %	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Nutrient Calculated Value, \$/Unit DM											
Ingredients ↓	0.294	0.093	0.166	-0.081	-0.008	-0.691					
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	89	8	bu	8.222 /bu	97
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	1.1	0	0.35	89	550	ton	454.347 /ton	121
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	89	500	ton	425.010 /ton	118
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09	8	0	0.36	92	525	ton	506.278 /ton	104
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	19	0	0.32	87	583	ton	437.393 /ton	133
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	19	0	0.26	92	600	ton	502.291 /ton	119
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	2	35	1.3	87	250	ton	203.229 /ton	123
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	2	50	1	87	150	ton	165.053 /ton	91
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	3.2	30	0.28	35	60	ton	81.497 /ton	74
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	12	0	0.22	89	270	ton	349.427 /ton	77
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03	70	200	ton	237.828 /ton	84
<input checked="" type="checkbox"/> Tallow	0	0	2.06	100	0	0	99	25	cwt	25.845 /cwt	97
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	1.2	0	0.3	94	700	ton	778.273 /ton	90
<input checked="" type="checkbox"/> Urea	0	287	0	0	0	0	99	500	ton	528.316 /ton	95
<input checked="" type="checkbox"/> Straw	4	1	0.45	0.37	75	0.31	85	140	ton	133.795 /ton	105

Overpriced

Bargain!

Perform another calculation!

Upload data as Excel file: No file chosen

Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients				INPUTS - Price Inputs			OUTPUTS	
<input checked="" type="checkbox"/> Ingredient	Nutrient			As-Fed Basis			Calculated	
	RUP %	RDP %	NE13x M	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Nutrient Calculated Value, \$/Unit DM				2012 Septemb				
Ingredients ↓	0.329	0.095	0.148					
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91	89	8	bu	7.672 /bu	104
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1	89	550	ton	442.427 /ton	124
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97	89	500	ton	413.153 /ton	121
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09	92	525	ton	506.849 /ton	104
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25	87	583	ton	437.145 /ton	133
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24	92	600	ton	507.966 /ton	118
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6	87	250	ton	212.126 /ton	118
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5	87	150	ton	174.858 /ton	86
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67	35	60	ton	78.736 /ton	76
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9	89	270	ton	350.582 /ton	77
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95	70	200	ton	220.840 /ton	91
<input checked="" type="checkbox"/> Tallow	0	0	2.06	99	25	cwt	30.222 /cwt	83
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06	94	700	ton	799.669 /ton	88
<input checked="" type="checkbox"/> Urea	0	287	0	99	500	ton	537.260 /ton	93
<input checked="" type="checkbox"/> Straw	4	1	0.45	85	140	ton	137.369 /ton	102

10

Analyze results again

Upload data as Excel file: No file chosen

Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients

<input checked="" type="checkbox"/> Ingredient	Nutrient		
	RUP %	RDP %	NE13x M
Nutrient Calculated Value, \$/Unit DM			
Ingredients ↓	0.329	0.095	0.148
<input checked="" type="checkbox"/> Shelled Corn	4.5	4.5	0.91
<input checked="" type="checkbox"/> Soybean Meal 48%	21	33	1
<input checked="" type="checkbox"/> Soybean Meal 44%	17.5	32.5	0.97
<input checked="" type="checkbox"/> Soybean Meal, expeller	30	16	1.09
<input checked="" type="checkbox"/> Soybeans, raw	12	28	1.25
<input checked="" type="checkbox"/> Soybeans, heated	22	21	1.24
<input checked="" type="checkbox"/> Good Quality Hay	6	14	0.6
<input checked="" type="checkbox"/> Poor Quality Hay	4.8	11.2	0.5
<input checked="" type="checkbox"/> Corn Silage	2.8	4.2	0.67
<input checked="" type="checkbox"/> Distillers Dried Grains	15	15	0.9
<input checked="" type="checkbox"/> High-Moisture Corn	3.6	5.4	0.95
<input checked="" type="checkbox"/> Tallow	0	0	2.06
<input checked="" type="checkbox"/> Blood Meal	76	19	1.06
<input checked="" type="checkbox"/> Urea	0	287	0
<input checked="" type="checkbox"/> Straw	4	1	0.45

INPUTS - Price Inputs

As-Fed Basis

2012 Septemb

DM %	Price \$/Unit	Unit
89	8	bu
89	550	ton
89	500	ton
92	525	ton
87	583	ton
92	600	ton
87	250	ton
87	150	ton
35	60	ton
89	270	ton
70	200	ton
99	25	cwt
94	700	ton
99	500	ton
85	140	ton

OUTPUTS

Calculated

Predicted Value, \$/Unit	Actual Price as % of Predicted Value
7.672 /bu	104
442.427 /ton	124
413.153 /ton	121
506.849 /ton	104
437.145 /ton	133
507.966 /ton	118
212.126 /ton	118
174.858 /ton	86
78.736 /ton	76
350.582 /ton	77
220.840 /ton	91
30.222 /cwt	83
799.669 /ton	88
537.260 /ton	93
137.369 /ton	102

Still Overpriced

Still Bargain!

Download Spreadsheet

Upload data as Excel

Analyze Disregard

Select Number of Nutrients

FeedValAnalysis (3).xls

Search in Sheet

Home Layout Tables Charts SmartArt Formulas Data Review

G21 ton

Ingredient	RUP %	RDP %	NEI3x Mcal/lb	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Shelled Corn	4.5	4.5	0.91	89	8 bu	7.672	104	
Soybean Meal 4	21	33	1	89	550 ton	442.427	124	
Soybean Meal 4	17.5	32.5	0.97	89	500 ton	413.153	121	
Soybean Meal,	30	16	1.09	92	525 ton	506.849	104	
Soybeans, raw	12	28	1.25	87	583 ton	437.145	133	
Soybeans, heat	22	21	1.24	92	600 ton	507.966	118	
Good Quality H	6	14	0.6	87	250 ton	212.126	118	
Poor Quality Ha	4.8	11.2	0.5	87	150 ton	174.858	86	
Corn Silage	2.8	4.2	0.67	35	60 ton	78.736	76	
Distillers Dried	15	15	0.9	89	270 ton	350.582	77	
High-Moisture f	3.6	5.4	0.95	70	200 ton	220.84	91	
Tallow	0	0	2.06	99	25 cwt	30.222	83	
Blood Meal	76	19	1.06	94	700 ton	799.669	88	
Urea	0	287	0	99	500 ton	537.26	93	
Straw	4	1	0.45	85	140 ton	137.369	102	
Soy Hulls	6	8	0.67	89	280 ton	225.37	124	
Corn Gluten Fev	7.5	16.5	0.79	89	250 ton	280.121	89	
Canola Meal, ex	17	21	0.8	89	360 ton	346.027	104	
Canola Meal, sc	13.5	24.5	0.74	89	400 ton	315.571	127	
Cottonseed Me	20	25	0.78	89	360 ton	365.07	99	
Wheat Middling	4.5	14	0.76	89	240 ton	250.413	96	
Whole Cottons	6	18	0.88	89	300 ton	297.592	101	
Hi-Pro Distillers	22	22	0.9	89	300 ton	403.4	74	
Wet Distillers	12	18	0.92	45	125 ton	173.588	72	
Brewers Dried C	15	15	0.78	89	250 ton	318.929	78	
Wet Brewers	12	18	0.78	25	75 ton	86.064	87	
Malt Sprouts	9	21	0.68	89	250 ton	267.473	93	
Sunflower Mea	8	21	0.63	89	320 ton	248.421	129	
Beet Pulp	5	5	0.67	89	150 ton	214.458	70	
Hominy	4	8	0.86	89	250 ton	263.762	95	
Linseed Meal	16	16	0.72	89	370 ton	310.647	119	
Molasses	2	4	0.8	89	175 ton	229.479	76	
Corn Gluten Me	42	23	1.08	89	640 ton	569.814	112	
Wheat Bran	3.5	14	0.73	89	240 ton	236.637	101	
Whey	1	9	0.85	20	50 ton	55.106	91	
Oats	4.5	8.5	0.81	89	250 ton	254.346	98	
Wheat	4.2	10	0.91	89	8.4 bu	7.882	107	
Barley	3.4	9	0.85	89	14.75 cwt	12.964	114	

OUTPUTS

Calculated

Predicted \$/Unit	Actual Price as % of Predicted Value
/bu	104
/ton	124
/ton	121
/ton	104
/ton	133
/ton	118
/ton	118
/ton	86
/ton	76
/ton	77
/ton	91
/cwt	83
/ton	88
/ton	93
/ton	102

FeedVal Analysis

Normal View Ready

12

Upload Spreadsheet

Upload data as Excel file: No file chosen

Analyze Disregard negative Nutrient Calculated Values

Select Number of Nutrients:

INPUTS - Nutrients for Ingredients INPUTS - Price Inputs OUTPUTS

Ingredient	Unit	Price	Unit	Price	Unit	Price	Actual Price as % of Predicted Value	
Shelled Corn							104	
Soybean Meal							124	
Soybean Meal							121	
Soybean Meal							104	
Soybeans, raw							133	
Soybeans, head							118	
Good Quality H							118	
Poor Quality H							86	
Corn Silage							76	
Distillers Dried							77	
High-Moisture							91	
Tallow							83	
Blood Meal		76	19	1.06	94	700	799.669 /ton	88
Urea		0	287	0	99	500	537.260 /ton	93
Straw		4	1	0.45	85	140	137.369 /ton	102

File selection dialog showing files like cow_r...).xlsx, Econ...s.key, and various screenshots.

October Prices (negatives in)

	Ingredient	RUP %	RDP %	NEI3x Mcal/lb	Lipid %	peNDF %	Ca %	Phos %	Lys %	Met %	NDF %	dNDF	Starch	Sugars	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Bargain	Wet Distillers	12	18	0.92	15	0	0.22	0.83	0.67	0.55	38.8	19	2.5	2.5	45	113.67	ton	165.238	69
	Hi-Pro Distillers	22	22	0.9	4	0	0.22	0.45	0.99	0.8	25	12	2	2	89	300	ton	415.681	72
	Corn Silage	2.8	4.2	0.67	3.2	30	0.28	0.26	0.18	0.11	42	24	30	2.5	35	60	ton	76.612	78
	High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03	0.3	0.25	0.19	10.3	5	72	1.5	70	200	ton	237.48	84
	Canola Meal, expeller	17	21	0.8	5.4	0	0.75	1.1	2.14	0.71	30	6	1.5	1.5	89	345	ton	394.546	87
	Poor Quality Hay	4.8	11.2	0.5	2	50	1	0.28	0.75	0.24	50	20	2.5	2.5	87	180	ton	204.636	88
	Distillers Dried Grains	15	15	0.9	12	0	0.22	0.83	0.67	0.55	38.8	19	2.5	2.5	89	275	ton	312.328	88
	Cottonseed Meal	20	25	0.78	1.9	0	0.2	1.15	1.86	0.72	30.8	9	1.5	1.5	89	338.33	ton	383.397	88
	Soybean Meal 44%	17.5	32.5	0.97	1.6	0	0.4	0.71	3.15	0.72	14.9	7.5	2.7	1.5	89	441.2	ton	497.11	89
	Brewers Dried Grains	15	15	0.78	5.2	0	0.3	0.67	1.22	0.51	47.4	21	3.8	2.5	89	250	ton	279.142	90
	Soybean Meal 48%	21	33	1	1.1	0	0.35	0.7	3.4	0.78	9.8	4.9	2.7	1.5	89	491.2	ton	538.38	91
	Wet Brewers	12	18	0.78	5.2	0	0.35	0.59	1.22	0.51	47.1	24	3.8	2.5	25	75	ton	82.601	91
	Molasses	2	4	0.8	0.2	0	1	0.1	0.06	0.01	0.1	0.1	5	80	89	160	ton	174.947	91
	Shelled Corn	4.5	4.5	0.91	4.2	0	0.04	0.3	0.25	0.19	9.5	4.8	72	2	89	7.92	bu	8.528	93
	Corn Gluten Feed	7.5	16.5	0.79	3.5	0	0.7	1	0.66	0.39	35.5	18	23.3	2.5	89	252	ton	270.679	93
Whole Cottonseed	6	18	0.88	19.3	22	0.17	0.6	1.04	0.41	50.3	20	1	1	89	291.75	ton	308.12	95	
Soybean Meal, expeller	30	16	1.09	8	0	0.36	0.66	2.89	0.66	21.7	8	2.7	1.5	92	466.2	ton	481.102	97	
Tallow	0	0	2.06	100	0	0	0	0	0	0	0	0	0	99	25	cwt	25.628	98	
Blood Meal	76	19	1.06	1.2	0	0.3	0.3	8.5	1.11	0	0	0	0	94	1000	ton	1010.598	99	
Oats	4.5	8.5	0.81	5.1	0	0.11	0.4	0.54	0.22	30	12	47	2.5	89	243.75	ton	242.646	100	
Good Quality Hay	6	14	0.6	2	35	1.3	0.3	0.94	0.3	40	20	2.5	2.5	87	248.67	ton	245.44	101	
Urea	0	287	0	0	0	0	0	0	0	0	0	0	0	99	500	ton	495.007	101	
Wheat Middlings	4.5	14	0.76	4.3	0	0.16	1.18	0.67	0.3	36.7	18	29	2.5	89	240	ton	238.166	101	
Wheat	4.2	10	0.91	2.3	0	0.05	0.43	0.22	0.21	13.4	6.7	67	2	89	8.49	bu	8.184	104	
Canola Meal, solvent	13.5	24.5	0.74	1.5	0	0.75	1.1	2.14	0.71	29.8	6	1.5	1.5	89	400	ton	377.523	106	
Wheat Bran	3.5	14	0.73	4.3	0	0.13	1.18	0.71	0.28	42.5	21	29	2.5	89	240	ton	226.321	106	
Whey	1	9	0.85	0.7	0	1.37	1.04	0.74	0.14	0	0	4	70	20	58.4	ton	55.103	106	
Malt Sprouts	9	21	0.68	2.3	0	0.24	0.51	1.31	0.4	47	21	3.8	2.5	89	250	ton	230.241	109	
Soybeans, raw	12	28	1.25	19	0	0.32	0.6	2.52	0.58	19.5	10	10	2	87	543	ton	486.538	112	
Corn Gluten Meal	42	23	1.08	2.5	0	0.06	0.6	1.1	1.54	11.1	3	2.5	1.5	89	812.14	ton	725.362	112	
Barley	3.4	9	0.85	2.2	0	0.06	0.39	0.45	0.21	20.8	10.4	60	2	89	15.5	cwt	13.744	113	
Sunflower Meal	8	21	0.63	1.4	0	0.48	1	1.07	0.69	40.3	12	6	1.5	89	365	ton	310.978	117	
Linseed Meal	16	16	0.72	1.7	0	0.4	0.83	1.18	0.56	36.1	11	4	1.5	89	326.67	ton	273.569	119	
Soy Hulls	6	8	0.67	2.7	0	0.63	0.17	0.88	0.16	60.3	45	5.3	1.5	89	200	ton	166.963	120	
Hominy	4	8	0.86	4.2	0	0.03	0.65	0.44	0.21	21.1	11	31	1.5	89	245	ton	202.997	121	
Soybeans, heated	22	21	1.24	19	0	0.26	0.64	2.71	0.62	22.1	8	10	2	92	700	ton	525.188	133	
Straw	4	1	0.45	0.37	75	0.31	0.3	0.16	0.06	73	33	1	1	85	140	ton	103.905	135	
Beet Pulp	5	5	0.67	1.1	0	0.91	0.9	0.35	0.13	45.8	32	0.5	10	89	150	ton	107.256	140	

Best

OK

Worst

October Prices (negatives off)

Bargain

Overpriced

Ingredient	RUP %	RDP %	Lipid %	peNDF %	Ca %	Lys %	Met %	Starch	Sugars	DM %	Price \$/Unit	Unit	Predicted Value, \$/Unit	Actual Price as % of Predicted Value
Wet Distillers	12	18	15	0	0.22	0.67	0.55	2.5	2.5	45	113.67	ton	168.917	67
Hi-Pro Distillers	22	22	4	0	0.22	0.99	0.8	2	2	89	300	ton	406.606	74
Brewers Dried Grains	15	15	5.2	0	0.3	1.22	0.51	3.8	2.5	89	250	ton	309.547	81
Corn Silage	2.8	4.2	3.2	30	0.28	0.18	0.11	30	2.5	35	60	ton	71.939	83
Canola Meal, expeller	17	21	5.4	0	0.75	2.14	0.71	1.5	1.5	89	345	ton	415.699	83
Cottonseed Meal	20	25	1.9	0	0.2	1.86	0.72	1.5	1.5	89	338.33	ton	405.562	83
Distillers Dried Grains	15	15	12	0	0.22	0.67	0.55	2.5	2.5	89	275	ton	325.729	84
High-Moisture Corn	3.6	5.4	4.2	0	0.03	0.25	0.19	72	1.5	70	200	ton	230.966	87
Wet Brewers	12	18	5.2	0	0.35	1.22	0.51	3.8	2.5	25	75	ton	85.511	88
Molasses	2	4	0.2	0	1	0.06	0.01	5	80	89	160	ton	182.256	88
Poor Quality Hay	4.8	11.2	2	50	1	0.75	0.24	2.5	2.5	87	180	ton	202.669	89
Whole Cottonseed	6	18	19.3	22	0.17	1.04	0.41	1	1	89	291.75	ton	324.031	90
Corn Gluten Feed	7.5	16.5	3.5	0	0.7	0.66	0.39	23.3	2.5	89	252	ton	273.212	92
Oats	4.5	8.5	5.1	0	0.11	0.54	0.22	47	2.5	89	243.75	ton	263.578	92
Soybean Meal, expeller	30	16	8	0	0.36	2.89	0.66	2.7	1.5	92	466.2	ton	497.386	94
Shelled Corn	4.5	4.5	4.2	0	0.04	0.25	0.19	72	2	89	7.92	bu	8.293	95
Soybean Meal 44%	17.5	32.5	1.6	0	0.4	3.15	0.72	2.7	1.5	89	441.2	ton	464.443	95
Wheat Middlings	4.5	14	4.3	0	0.16	0.67	0.3	29	2.5	89	240	ton	250.536	96
Malt Sprouts	9	21	2.3	0	0.24	1.31	0.4	3.8	2.5	89	250	ton	257.53	97
Soybean Meal 48%	21	33	1.1	0	0.35	3.4	0.78	2.7	1.5	89	491.2	ton	502.023	98
Tallow	0	0	100	0	0	0	0	0	0	99	25	cwt	25.279	99
Blood Meal	76	19	1.2	0	0.3	8.5	1.11	0	0	94	1000	ton	1012.419	99
Wheat Bran	3.5	14	4.3	0	0.13	0.71	0.28	29	2.5	89	240	ton	243.004	99
Urea	0	287	0	0	0	0	0	0	0	99	500	ton	493.962	101
Canola Meal, solvent	13.5	24.5	1.5	0	0.75	2.14	0.71	1.5	1.5	89	400	ton	391.81	102
Linseed Meal	16	16	1.7	0	0.4	1.18	0.56	4	1.5	89	326.67	ton	310.283	105
Wheat	4.2	10	2.3	0	0.05	0.22	0.21	67	2	89	8.49	bu	8.028	106
Sunflower Meal	8	21	1.4	0	0.48	1.07	0.69	6	1.5	89	365	ton	328.651	111
Whey	1	9	0.7	0	1.37	0.74	0.14	4	70	20	58.4	ton	52.748	111
Good Quality Hay	6	14	2	35	1.3	0.94	0.3	2.5	2.5	87	248.67	ton	221.462	112
Barley	3.4	9	2.2	0	0.06	0.45	0.21	60	2	89	15.5	cwt	13.674	113
Soybeans, raw	12	28	19	0	0.32	2.52	0.58	10	2	87	543	ton	460.882	118
Corn Gluten Meal	42	23	2.5	0	0.06	1.1	1.54	2.5	1.5	89	812.14	ton	685.828	118
Hominy	4	8	4.2	0	0.03	0.44	0.21	31	1.5	89	245	ton	206.578	119
Straw	4	1	0.37	75	0.31	0.16	0.06	1	1	85	140	ton	116.2	120
Soybeans, heated	22	21	19	0	0.26	2.71	0.62	10	2	92	700	ton	530.232	132
Soy Hulls	6	8	2.7	0	0.63	0.88	0.16	5.3	1.5	89	200	ton	145.439	138
Beet Pulp	5	5	1.1	0	0.91	0.35	0.13	0.5	10	89	150	ton	103.772	145

Best

OK

Worst

Drought Stressed Corn Silage

INPUTS - Nutrients for Ingredients

Nutrient		
Ingredient	CP %	TDN %
Nutrient Calculated Value, \$/Unit DM		
Ingredients ↓		
<input checked="" type="checkbox"/> Shelled Corn	9.4	89
<input checked="" type="checkbox"/> Soybean Meal 48%	53.8	81
<input checked="" type="checkbox"/> Drought Strsd. Corn Silage	10	65

INPUTS - Price Inputs

As-Fed Basis		
2012 October		
DM %	Price \$/Unit	Unit
84.5	7.92	bu
89.0	491.2	ton
35	16	ton

OUTPUTS

Calculated	
Predicted Value, \$/Unit	Actual Price as % of Predicted Value

Fertilizer removed

- 12 lb N x \$0.60
- 4 lb P x \$0.55
- 12 lb K x \$0.55

Drought Stressed Corn Silage

INPUTS - Nutrients for Ingredients

Nutrient		
Ingredient	CP %	TDN %
Nutrient Calculated Value, \$/Unit DM		
Ingredients ↓	0.362	0.001
<input checked="" type="checkbox"/> Shelled Corn	9.4	89
<input checked="" type="checkbox"/> Soybean Meal 48%	53.8	81
<input checked="" type="checkbox"/> Drought Strsd. Corn Silage	10	65

INPUTS - Price Inputs

As-Fed Basis		
2012 October		
DM %	Price \$/Unit	Unit
84.5	7.92	bu
89.0	491.2	ton
35	16	ton

OUTPUTS

Calculated	
Predicted Value, \$/Unit	Actual Price as % of Predicted Value
68.023 /ton	

Value based on:

- Corn and
- Soybean meal

Drought Stressed Corn Silage

Corn price, \$/bu as fed basis

Price **soybean meal**

\$1 \$2 \$3 \$4 \$5 \$6 \$7 \$8 \$9 \$10

\$/cwt as fed basis

Stressed Corn Silage Price **Base**, \$ per 35% DM ton

\$8	14.77	21.54	28.30	35.40	42.15	48.92	55.68	62.45	69.21	76.00
\$10	15.51	22.27	29.04	36.12	42.89	49.65	56.42	63.18	69.95	76.71
\$12	16.28	23.04	29.81	36.89	43.66	50.42	57.19	63.95	70.72	77.48
\$14	17.01	23.78	30.54	37.63	44.39	51.16	57.92	64.69	71.45	78.22
\$16	17.78	24.55	31.31	38.4	45.16	51.93	58.69	65.46	72.22	79.00
\$18	18.52	25.28	32.05	39.13	45.90	52.67	59.43	66.19	73.00	79.72
\$20	19.29	26.05	32.82	39.90	46.67	53.43	60.20	66.96	73.73	80.49
\$22	20.02	26.79	33.55	40.64	47.4	54.17	60.93	67.70	74.46	81.23
\$24	20.79	27.56	34.32	41.41	48.17	54.94	61.7	68.47	75.23	82.00
\$26	21.53	28.29	35.06	42.14	48.91	55.67	62.44	69.20	75.97	82.73
\$28	22.30	29.06	35.83	42.91	49.68	56.44	63.21	69.97	76.74	83.50
\$30	23.03	29.80	36.56	43.65	50.41	57.18	63.94	70.71	77.47	84.24

Valuation of Alfalfa Hay

INPUTS - Nutrients for Ingredients

Ingredient	Nutrient	
	CP %	NEI3x M
Nutrient Calculated Value, \$/Unit DM		
Ingredients ↓		
<input checked="" type="checkbox"/> Shelled Corn	9	0.91
<input checked="" type="checkbox"/> Soybean Meal 48%	54	1
<input type="checkbox"/> Untreated	23.80	0.708
<input type="checkbox"/> Fungicide	24.88	0.744
<input type="checkbox"/> Insecticide	25.60	0.749
<input type="checkbox"/> Insecticide+Fungicide	24.32	0.732
<input checked="" type="checkbox"/> Good Quality Hay	20	0.6
<input checked="" type="checkbox"/> Poor Quality Hay	16	0.5
<input checked="" type="checkbox"/> Corn Silage	7	0.67

INPUTS - Price Inputs

As-Fed Basis		
2012 October		
DM %	Price \$/Unit	Unit
89	7.92	bu
89	491.2	ton
90.78		ton
91.28		ton
91.34		ton
91.42		ton
87	248.6€	ton
87	180	ton
35	60	ton

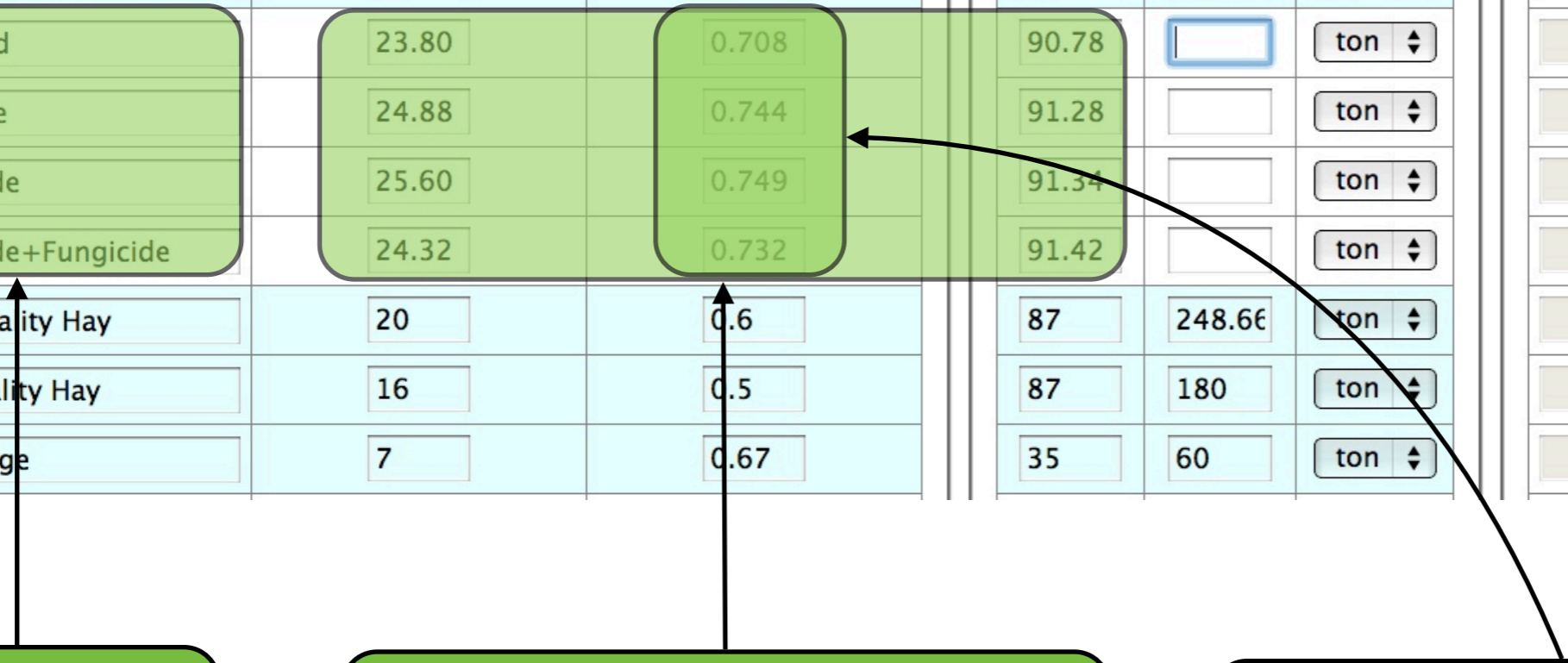
OUTPUTS

Calculated	
Predicted Value, \$/Unit	Actual Price as % of Predicted Value

Trial Control and Treatments

Field Results of Trial Control and Treatments

Function of: ADF, NDF, NDFD



Valuation of Alfalfa Hay

INPUTS - Nutrients for Ingredients

Ingredient	Nutrient	
	CP %	NEI3x N
Nutrient Calculated Value, \$/Unit DM		
Ingredients ↓	0.268	0.132
<input checked="" type="checkbox"/> Shelled Corn	9	0.91
<input checked="" type="checkbox"/> Soybean Meal 48%	54	1
<input type="checkbox"/> Untreated	23.80	0.708
<input type="checkbox"/> Fungicide	24.88	0.744
<input type="checkbox"/> Insecticide	25.60	0.749
<input type="checkbox"/> Insecticide+Fungicide	24.32	0.732
<input checked="" type="checkbox"/> Good Quality Hay	20	0.6
<input checked="" type="checkbox"/> Poor Quality Hay	16	0.5
<input checked="" type="checkbox"/> Corn Silage	7	0.67

INPUTS - Price Inputs

As-Fed Basis		
2012 October		
DM %	Price \$/Unit	Unit
89	7.92	bu
89	491.2	ton
90.78		ton
91.28		ton
91.34		ton
91.42		ton
87	248.6€	ton
87	180	ton
35	60	ton

OUTPUTS

Calculated	
Predicted Value, \$/Unit	Actual Price as % of Predicted Value
7.211 /bu	110
493.786 /ton	99
286.256 /ton	0
301.830 /ton	0
306.769 /ton	0
296.638 /ton	0
231.697 /ton	107
189.967 /ton	95
75.274 /ton	80

Predicted values for Control and Treatments



Acknowledgement

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United States Department of Agriculture
National Institute of Food and Agriculture

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Thanks