

DAIRY TRANS 4.4 FEED COST EVALUATOR

by Dr. Larry Tranel, ISU Extension Dairy Team

		Herd Average	16,000 lbs.
Fill in white FONTS to use Evaluator		% Allocation	Calculated
Data below is automatically input from data entry sheet.		Crops & Feed	Feed Expenses
12 Car & Truck Expenses.....	\$2,725	15%	\$409
13 Chemicals.....	\$2,870	100%	\$2,870
14 Conservation Expenses.....	\$0	100%	\$0
15 Custom Hire.....	\$0	100%	\$0
16 Depreciation.....	\$35,100		Fair Market Value
\$35,100 Cost	\$4,150 Fair Market	25%	\$1,038
17 Employee benefits.....	\$8,209	5%	\$410
18 Feed Purchased.....	\$135,000	100%	\$135,000
\$135,000 Dairy	\$0 Other		
\$0 Dairy	\$0 Other		
19 Fertilizers and Lime.....	\$7,863	100%	\$7,863
20 Freight and Trucking.....	\$3,345	40%	\$1,338
21 Gasoline, Fuel and Oil.....	\$11,832	65%	\$7,691
22 Insurance (not health).....	\$6,787	20%	\$1,357
23 Interest			
a Mortgage.....	\$0	30%	\$0
b Other.....	\$5,716	30%	\$1,715
24 Labor hired.....	\$37,542	25%	\$9,386
25 Pension/profit sharing.....	\$388	0%	\$0
26 Rent or Lease			
a Machinery & Equipment.....	\$0	100%	\$0
b Other (Land, animal, etc).....	\$8,750	100%	\$8,750
27 Repairs & maintenance.....	\$29,784	33%	\$9,829
28 Seeds&plants purchased.....	\$2,002	100%	\$2,002
29 Storage/warehousing.....	\$0	0%	\$0
30 Supplies purchased.....	\$20,974	30%	\$6,292
31 Taxes.....	\$8,104	33%	\$2,674
32 Utilities.....	\$6,394	15%	\$959
33 a. Vet & Medicine.....	\$6,932	0%	\$0
33 b. Breeding fees.....	\$382	0%	\$0
34 Other Expenses.....	\$6,107	10%	\$611
Owners Equity Charge	5% \$54,989	60%	\$32,993
Unpaid Labor Charge	\$45,000	25%	\$11,250

	Goal w/Rep	Goal w/o Rep	YOURS
Total Feed and Crop Production Costs	\$312,252	\$249,802	\$244,437
164 Total Feed Costs Per Cow	\$1,904	\$1,523	\$1,490
Milk Income over Feed Costs Per Cow	\$1,940	\$2,321	\$1,585
Milk Income over Feed Costs Per Cwt.	\$9.70	\$11.60	\$9.90
Total Feed Costs Per Cwt. Milk Sold	\$9.52	\$7.62	\$9.32
Price of Corn/bushel	\$4.75	1.73 Corn Index	Milk Price \$19.22
Price of Dry Hay/ton	\$135.00	1.35 Hay Index	Milk Index 1.42
	1.54 Average		

Notes to Users on the Corn and Hay Price Index:

The base corn price index is \$2.75/bushel. The base hay price index is \$100/dry ton.
The milk price index is based on a milk price of \$13.50 per cwt.

USER'S GUIDE:

The BLUE FONTS are the data inputted into Data Entry form.

WHITE FONTS in Row G are the % of the total to be allocated to crop production and feed.

The Calculated Feed Expense in Row H are the portion of the total farm expenses allocated to crop production and feed expenses.

The Feed Cost Analyzer begins with Total Feed Costs on the dairy farm in cell H41.

Goals in cell F41 are for dairies which raise their dairy replacements while the goal in cell G41 are for those which do not raise dairy replacements.

These goals are based on ISU Extension budgets which create a base budget of \$1,500 of feed cost per cow and replacements are raised.

The benchmark is based on \$1,200 per cow if replacements are not raised.

Milk Income over Feed Costs is based on a goal of milk being sold at \$13.50 per cwt.

Numbers are only as good as the percentage estimates used.

The dairy here has \$244,437 of feed costs out of \$446,795 total costs. Feed is: 54.71%

GOAL is: < 50%