

**RELATIVE FEED VALUES: Multiple Feedstuffs
PRICE INPUT: as of April 3**

Shelled Corn Per Bushel---> \$3.45
44% Soybean Oilmeal Per Ton> \$205.00

Crop/Feedstuff	Relative Feed Value	@ DM %
Table 1. Grains		
1 EAR CORN.....	111.40 Per Ton	85
2 EAR CORN, high moisture.....	80.73 Per Ton	65
3 EAR CORN, bushel basket.....	1.95 Per Bu.	85
4 CORN, shelled, high-moisture ...	99.03 Per Ton	72
5 OATS, spring.....	1.93 Per Bu.	90
6 BARLEY, winter.....	3.13 Per Bu.	89
7 WHEAT, winter.....	3.81 Per Bu.	86
8 RYE, winter.....	3.51 Per Bu.	88
9 SORGHUM, grain.....	3.33 Per Bu.	89
10 SOYBEANS, whole, raw.....	6.14 Per Bu.	90

Crop/Feedstuff	Relative Feed Value	@ DM %
Table 2. Supplements & Extenders		
11 COTTONSEED MEAL.....	9.75 Per Cwt.	93
12 BREWER'S GRAIN, wet.....	37.43 Per Ton	24
13 BREWER'S GRAIN, dried.....	142.22 Per Ton	92
14 DIST. CORN GRAIN, dried.....	166.75 Per Ton	93
15 HOMINY FEED.....	6.97 Per Cwt.	91
16 CORN GLUTEN FEED.....	7.72 Per Cwt.	90
17 WHEAT BRAN.....	6.04 Per Cwt.	89
18 WHEAT MIDS.....	6.83 Per Cwt.	90
19 BEET PULP, dried.....	5.82 Per Cwt.	91

Crop/Feedstuff	Relative Feed Value	@ DM %
Table 3. Hay		
20 LEGUME.....	107.96 Per Ton	87
21 MIXED, mainly legume.....	104.41 Per Ton	87
22 MIXED, mainly grass.....	91.37 Per Ton	88
23 GRASS.....	89.26 Per Ton	89

Crop/Feedstuff	Relative Feed Value	@ DM %
Table 4. Silages		
24 CORN.....	38.71 Per Ton	34
25 LEGUME, haycrop.....	56.89 Per Ton	47
26 MIXED, mainly legume.....	53.48 Per Ton	46
27 MIXED, mainly grass.....	44.20 Per Ton	43
28 GRASS, haycrop.....	39.34 Per Ton	40
29 SMALL GRAIN.....	44.65 Per Ton	37
30 SORGHUM-SUDAN.....	38.59 Per Ton	34

Based on nutrient values in Penn State University Feeds Library.
Program by:
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How Does Your Herd Compare?

STATE COLLEGE (Centre Co.)— This data is pulled from Pennsylvania DHIA's mainframe computer each week. It is a one-week summary representing approximately one-fourth of the herds on test, as they are tested monthly.

These data are valuable from a business management standpoint and can be used for comparing your operations to the averages from almost 1,400 herds across the state.

DHIA Averages for all herds processed between 4/01/91 and 4/08/91

Number of Herds Processed	1,325	*Value for CWT Silage(\$)	1.56
Number of Cows Processed	74,383	*Value for Pasture Per Day(\$)	.30
Number of Cows Per Herd	56.1	*Value for Milk Per Cow Per Year(\$)	2,363
Milk Per Cow (Lbs)	17,477	*Feed Consumed Per Cow Per Year(Lbs)	
%-Fat	3.66	A: Grain	6,888
Fat Per Cow (Lbs)	640	B: Hay	2,556
%-Protein	3.19	C: Silage	14,554
Protein Per Cow (Lbs)	558	D: Day Pasture	70
Average Days in Milk Per Cow	316	*Feed Cost Per Cow Per Year(\$)	
*Value for CWT Milk(\$)	13.52	A: Grain	545
*Value for CWT Grain(\$)	7.92	B: Hay	110
*Value for CWT Hay(\$)	4.33	C: Silage	227
		D: Pasture	21
		*Total Feed Cost Per Cow Per Year(\$)	905
		*Income Over Feed Costs Per Year(\$)	1,458
		*Grain to Milk Ratio	1:2.5
		*Feed Cost Per CWT Milk(\$)	5.18
		Avg Level For 1,114 SCC Herds	307,359
		*Member generated figures	

Good Heat Detection

(Continued from Page A19)

- Provide an area for heat detection where there is good footing.
- Observe for estrus when cattle are not distracted by feeding, milking or other farm activities.
- Set a schedule for twice daily observation for estrous behavior.
- During warmer months, observe the herd during the cooler hours of the day or evening.
- Record all heats so future heats can be anticipated.


- Research has shown that the majority of mounting of cows in heat is performed by cows in proestrus or estrus. Very few mounts are exhibited by cows in midcycle. Thus allow all cows to interact so as to increase the chance of having a "willing" animal available to mount the cow in heat.
- Establish a foot care and hoof trimming program so that sore feet don't hinder mounting activity.

- Use heat detection aids to supplement visual observation.

Since estrous detection takes time, use your time efficiently. Observe for heat on a routine basis at times and in areas where cattle are likely to exhibit heat.

This should improve both the efficiency and accuracy of heat detection and thus result in less semen wastage and a more profitable calving interval.

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DEEP TILLS - Featured above is the 7-shank model Deep-Till with the Category III hitch. This model is equipped with single individual trash cutting cutters and cuts a 17'6" width. It uses manual gauge wheels.

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