NF94-175 Can You Afford to Use BST?

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Can You Afford to Use BST?

by Jeffrey F. Keown, Extension Dairy Specialist

A spreadsheet has been developed at the University of Wisconsin, that with a few inputs, will show producers their own break-even point for using BST. The output will list the Milk Response to BST in pounds/day along with the following cost inputs:

- Added TMR pound Dry Matter
- Added Crude Protein Supplement pound
- Added Feed Cost in dollars
- BST Cost dollars/day
- Added labor/day
- Added hauling charges for the extra milk produced

The program will then list the income over feed cost that you would expect if your daily milk production increased by 2, 4, 6, 8, 10, 12 or 14 pounds per cow.

The information the producer needs to supply is given below. Simply fill out this form and send to Dr. Jeffrey F. Keown, Department of Animal Sciences, P.O. Box 680908, University of Nebraska-Lincoln, Lincoln, NE 68583-0908, and we will send the spreadsheet back to you so you can see if BST will fit profitably into your management scheme.

**Input:**

BST Cost/Treatment ________________________________

Days Treatment Effective ___________________________

Time for Treatment in Minutes _______________________

Labor Cost/Hour _________________________________

Grain Cost $/cwt as fed ____________________________
| **Grain % Dry Matter** | ________________ |
| **Grain % Crude Protein DM basis** | ________________ |
| **Grain Escape Protein, % of Crude Protein** | ________________ |
| **Crude Protein Supplement % DM** | ________________ |
| **Crude Protein Supplement % C.P., DM** | ________________ |
| **Crude Protein Supplement Escape Protein % of C.P.** | __________ |
| **Crude Protein Supplement Cost $/cwt** | ________________ |
| **Milk Hauling, $/cwt** | ________________ |
| **Milk Price, $/cwt @ 3.5% FAT** | ________________ |
| **Fat Diff. $/cwt/.1% >3.5%** | ________________ |
| **TMR Fed Yes or No (Please circle)** | ________________ |
| **TMR C.P. % DM** | ________________ |
| **TMR Escape Protein % of C.P.** | ________________ |
| **TMR TDN % DM** | ________________ |
| **TMR Cost $/cwt DM** | ________________ |

If you want additional information on BST, please request the following NebGuides from your local Cooperative Extension office, or indicate you would like to have them sent with your BST spread sheet analysis.

**G89-942** Can You Afford to Use Bovine Somatrophin (Bovine Growth Hormone)?

**G90-961** Supplemental Fat for High Producing Dairy Cows

**G90-997** How to Body Condition Score Dairy Animals

**G90-999** Nutritional Management of the High-Producing Dairy Cow in the 1990s

**G90-1003** Maximizing Feed Intake for Maximum Milk Production

**G91-1027** Protein and Carbohydrate Nutrition of High Producing Dairy Cows

**G91-1041** Feeding the Bovine Somatotropin (BST) Treated Dairy Cow
G92-1070 Feeding Dairy Cattle for Proper Body Condition Score

Your name ________________________________

Address __________________________________

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File NF175 under DAIRY
A-1, Feeding and Nutrition
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