

## Changing Basis of Whey Value From Other Solids to Protein

### Current Other Solids Price Formula

	<u>Aug-06</u>
Dry Whey Price	0.2965
Less Make Allowance	0.159
Times Yield Factor	<u>1.03</u>
Other Solids Price per pound	\$ 0.1416
Times Pounds OS per cwt	5.69
Whey Value per cwt	\$ 0.8058

### Pounds Whey Protein in Standard Milk

#### *Van Slyke Cheese Yield Formula - Casein Recovery*

True Protein x 0.829 - 0.1	
Pounds True Protein	2.99
Times % Casein Recovery	<u>0.829</u>
Less Casein Loss	<u>0.1</u>
Pounds Protein in Whey	0.6113

### Whey Protein Yield Factor

Pounds Other Solids per cwt	5.69
Times Yield Factor	1.03
Pounds Whey per cwt.	5.8607
Divided by Pounds Whey Protein	<u>0.6113</u>
Whey Protein Yield Factor	9.59

### Whey Value Via Protein Basis

	<u>Aug-06</u>
Dry Whey Price	0.2965
Less Make Allowance	0.159
Times Yield Factor	9.59
Whey Protein Value per pound	\$ 1.3183
Times Pounds Whey Protein	<u>0.6113</u>
Whey Value per cwt	\$ 0.8058 (Same value as current formula, cell D10.)

### Value Added to Protein From Whey

Whey Value per cwt	\$ 0.8058
Divided by Pounds True Protein	<u>2.99</u>
<b>Value to be Added to Protein</b>	<b>\$ 0.2695</b>

### Revised Whey Formula

(Dry Whey Price - Make Allowance) \* Yield Factor \* Pounds Whey Protein / Pounds True Protein = Value to be ac  
 (Dry Whey Price - Make Allowance) \* 9.59 \* .6113 / 2.99 = Value to be added to Protein  
 (Dry Whey Price - Make Allowance) \* 1.96 = Value to be added to protein

### Revised Protein Price

Protein Price = ((Cheese price - 0.165) x 1.383) + (((Cheese price - 0.165) x 1.572) - Butterfat price x 0.9) x 1.17

Added to Protein

7 + (Dry Whey Price - .159) \* 1.96