

## Corn Silage Pricing Decision Aid

Please Enter Your Input Values into the Shaded Cells

Red letters refer to explanations or guidelines at bottom.

Use actual costs when possible, or refer to guidelines

### Actual Yield Information

Yield in Bushels/Acre

125

Silage % DM

35%

Corn Silage/Tons Acre (Wet Basis)

16.70

### Price Perspective

**Seller Buyer**

Local Market Price for No.2 Corn at 15.5% moisture as Buyer or Seller

\$3.50

\$3.85

Local Market Price per ton for straw to Buyer (a)

\$75

Average grain loss for harvest before black layer (Bushels/Acre) (b)

11

Gross Value of Corn Crop/Acre

\$438

\$635

### Grain Harvest Costs (c)

Combining Cost/Acre

\$25.00

Trucking Cost/Acre

\$18.75

\$/Bushel

\$0.15

Drying Cost/Acre

\$30.00

\$/Bushel

\$0.24

Storage Cost/Acre

\$33.75

\$/Bushel/month

\$0.03

Storage Length (months)

9

Harvest and Storage Loss (d)

\$10.94

% Loss

2.50%

Total Harvest Costs/Acre

\$118.44

Minimum Value/Acre of Corn Silage to Seller

\$319.06

(Gross Value of Crop - Grain Harvest Costs)

Value of Corn Silage to Seller on a \$/ton wet basis

\$19.11

### Silage Harvest Costs (e)

Chopping \$/Acre

\$55.00

Hauling \$/Acre

\$15.00

Harvest and Storage Loss (f)

13%

\$82.58

Total Harvest Costs for Buyer/Acre

\$152.58

### Fertilizer Value of Harvested Stover

Phosphorus Value

\$2.53

Pounds P205/Ton Dry Matter (from publication A2809)

4.6

Tons Stover DM/acre (See estimate to right)

1.9

Price per lb P205(0-46-0)

\$0.29

Potassium Value

\$18.85

Pounds K20/Ton Dry Matter (from publication A2809)

32

Tons Stover DM/acre (See estimate to right)

1.9

Price per lb K20(0-0-60)

\$0.31

Total Stover Value/Acre

\$21.38

Total Value of Corn Silage to Seller Including

\$340.45

Fertilizer Value of Harvested Stover/Acre (Minimum Value to Accept)

Total Value/Acre Corn Silage to Buyer Minus Harvest Costs

\$482.63

(Maximum Value to Bid)

<b>Value of Standing Corn Silage (\$/ton wet basis)</b>	<b>\$20.39</b>	<b>\$28.90</b>
<b>Value of Standing Corn for Silage (\$/ton DM)</b>	<b>\$58.15</b>	<b>\$82.43</b>

### Quality Adjustments for Silage (g)

Starch Adjustment/ton DM Silage	\$3.50	\$3.85
% Starch (DM basis)	31	31
Local Corn Price/Bushel	\$3.50	\$3.85
NDF Digestibility Adjustment/ton DM Silage	\$6.96	\$6.96
Silage NDFD (48 Hour invitro)	58%	58%
Milk Price/Cwt	\$20.00	\$20.00
Quality Adjustment (per ton DM)	\$10.46	\$10.81
Silage Base Price Estimate (per ton DM)	\$58.15	\$82.43
<b>Value/Ton of Silage (Wet Basis)</b>	<b>\$24.01</b>	<b>\$32.63</b>
<b>Value/Ton of Silage (Dry Matter)</b>	<b>\$68.61</b>	<b>\$93.24</b>

## Guidelines

**a) Straw Price:** Use current market price for high quality (feed) straw.

Serves to estimate value of stover to buyer in corn silage.

**b) On average there is a 9% grain yield reduction for harvest before black layer.**

**c) Average Grain Harvest Costs**

Use your own costs or the following guidelines.

<u>Expense</u>	<u>\$ per Bu.</u>
Trucking	0.15 - 0.20
Drying	0.10 - 0.14
Storage (per month)	0.02 - 0.03

**d) Average is 2 - 3%**

**e) Use your own costs or current averages from the Wisconsin Custom Rate Guide**

**f) Typical Harvest and Storage Losses Based on Storage Type**

<u>Type of Storage</u>	<u>% loss</u>
Concrete tower	13
Oxygen limiting tower	6
Bunker	16
Packed pile	17.5
Bagged	11

**g) Quality adjustments should be based on laboratory analysis when available**

If a lab analysis is not available keep this in mind:

Starch base value is 29%

NDFD base value is 58%



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**Not Sure What Your Silage Yield Will Be?**

**Try the Corn Silage Yield Estimator!**

**Note: % DM and yields MUST be re-entered in cells D8-10**

Estimated Yield in Bushels/Acre	125
Desired Silage % DM	35%
Estimated Corn Silage/Tons Acre (\	16.73

**Estimated stover yield based on grain yield**  
2.96 Tons (DM basis)





