

Crop Management Diagnostic Clinics

McDonald

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Corn Silage Economics

Value of Grain in the Field
Harvest Cost
Nutrient Value of Residue
Roughly Equal

Silage Value in Field – 7.65 × bu price
Ex \$5.50bu × 7.65 = \$42.08/ton, 35% DM
For Cattle, \$/lb TDN – corn \$.129, silage \$.109

2013CMDC-McDonald (1)

Corn Silage

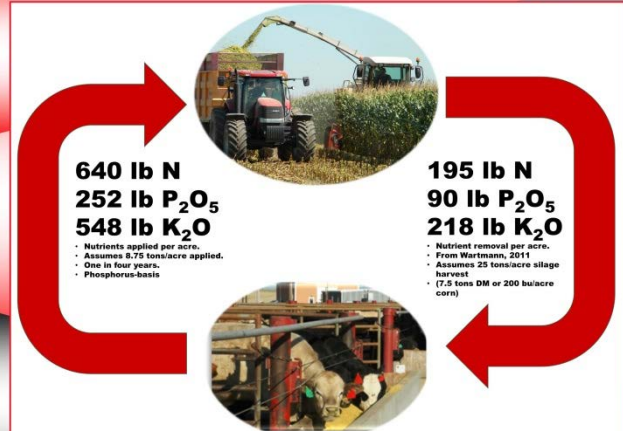
52% Grain at Silage Harvest
62% Grain at Grain Harvest
55% As Much Residue TDN at Baling
Silage and Distillers Grains Complimentary
Silage Residue is Economical Source
of Energy for Cattle

2013CMDC-McDonald (2)

Corn Residues

Forage to Finished Beef – 85%
Supply and Price of Forage
10.3 Million acres - 42 million tons
Grain/Harvest/Cattle – 4.7 million tons
Grazing, Silage Harvest, Stalks
(Husklage) Harvest
TDN – Husk 65, Stem 35, Leaf 45

2013CMDC-McDonald (3)



2013CMDC-McDonald (4)

4-Year Nutrient Use Plan

Crop	N	P ₂ O ₅	K ₂ O
Silage	195	90	218
Soybeans	122	45	64
Corn	231	72	45
Soybeans	122	45	64
Total	670	252	391
Manure	320	252	548
Net	350	0	-157

2013CMDC-McDonald (5)

Cover Crops

Item	Oats or Rye	Legume Mix
Seed	\$17	\$35
Seeding	\$20	\$20
Terminate	\$20	\$20
Total	\$57	\$75
Equip	-\$35	-\$50
Net	\$22	\$25

Grazing Economics

- **Forage Production**
 - 0.7 tons/acre (DM)
 - 2 AUMs/acre
- **Graze half (1 AUM)**
- **\$25 / AUM**
- **Nitrogen needs (?)**
 - 60-100 lb/acre
 - From manure
 - 1.4 lb removed from grazing

2013CMDC-McDonald (6)