

What is the VALUE of a standing Corn crop for Silage.

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Mature Corn – 50% Grain DM Content	Example 1	Example 2	Example 3	Example 4	Your Figures
1. Estimate of yield per acre in tons ¹	4	8	12	16	
2. Percent dry matter	30	30	30	30	
3. Value of silage per acre at \$40.92 per ton ² (calculations shown below)	\$ 163.68	\$ 327.36	\$ 491.04	\$ 654.72	
4. Less custom cost of chopping and hauling per acre ³	<u>\$ -60.00</u>	<u>\$ -80.00</u>	<u>\$ -100.00</u>	<u>\$ -110.00</u>	
5. Value per acre of standing corn for silage	\$ 103.68	\$ 247.36	\$ 391.04	\$ 544.72	
Immature Corn – 25% Grain DM Content	Example 1	Example 2	Example 3	Example 4	Your Figures
1. Estimate of yield per acre in tons ¹	4	8	12	16	
2. Percent dry matter	30	30	30	30	
3. Value of silage per acre at \$33.66 per ton ² (calculations shown below)	\$ 134.64	\$ 269.28	\$ 403.92	\$ 538.56	
4. Less custom cost of chopping and hauling per acre ³	<u>\$ -60.00</u>	<u>\$ -80.00</u>	<u>\$ -100.00</u>	<u>\$ -110.00</u>	
5. Value per acre of standing corn for silage	\$ 74.64	\$ 189.28	\$ 303.92	\$ 428.56	
Immature Corn – 0 % Grain DM Content	Example 1	Example 2	Example 3	Example 4	Your Figures
1. Estimate of yield per acre in tons ¹	4	8	12	16	
2. Percent dry matter	30	30	30	30	
3. Value of silage per acre at \$26.40 per ton ² (calculations shown below)	\$ 105.60	\$ 211.20	\$ 316.80	\$ 422.40	
4. Less custom cost of chopping and hauling per acre ³	<u>\$ -60.00</u>	<u>\$ -80.00</u>	<u>\$ -100.00</u>	<u>\$ -110.00</u>	
5. Value per acre of standing corn for silage	\$ 45.60	\$ 131.20	\$ 216.80	\$ 312.40	

1 The following formula may be used to estimate the wet yield of a standing corn crop with 30-inch rows:

a. Select a representative row and measure 17.4 feet. (For 36-inch rows, use 14.5 feet of row. For 22-inch rows, use 23.8 feet.)

b. Cut at normal chopping height and weight, then multiply by 1,000 to estimate total weight per acre.

c. Divide answer obtained in "b" above by 2,000 to convert to tons per acre.

2 Corn silage is primarily an energy feed. The dry-matter value of silage can be compared with the local value of shelled corn and grass hay.

Good-quality corn silage typically will average 50 percent corn grain by dry-matter weight.

3 The most frequent custom rate charged for field chopping and hauling was \$500 per hour. Field capacity was assumed to be five acres per hour. We assume the rate would vary somewhat at different yields.