



**To:** Meunerie Soucy  
926 Route Laurier  
Sainte Croix QC  
G0S 2H0,

**Account No.:** 12017 (0)  
**Sampled By:** Meunerie Soucy **Sampled**  
**For:** FERME XXXXX

**Product:** Ensilage maïs  
**Description2:** Exemple

**Test Mode:** N3  
**Feed Type:** Whole plant corn  
**Sub Type:** Conventional

Humidite 65.92%  
Matiere seche 34.08%  
pH 3.84

Corn silage statistics provided for comparison.

|                          |         | <u>Dry Basis</u> | <u>Median</u> | <u>90% Range</u> |
|--------------------------|---------|------------------|---------------|------------------|
| Proteine Brute (PB)      | %DM     | 7.96             | 7.21          | 5.80 - 9.00      |
| AD-ICP                   | %DM     | 0.70             | 0.72          | 0.48 - 1.08      |
| ND-ICP w/SS              | %DM     | 0.88             | 1.02          | 0.73 - 2.42      |
| AD-ICP % of CP           | %CP     | 6.57             | 9.96          | 6.57 - 15.46     |
| ND-ICP w/SS              | %CP     | 11.06            |               |                  |
| Proteine Soluble         | %CP     | 62.94            | 51.05         | 25.02 - 72.00    |
| Ammoniaque-PB            | %CP     | 6.16             | 6.76          | 2.38 - 10.23     |
| Ammonia-CP               | %DM     | 0.49             | 0.49          | 0.17 - 0.72      |
| Fibre Soluble            | %DM     | 8.10             |               |                  |
| ADF                      | %DM     | 22.14            | 24.47         | 19.93 - 30.46    |
| aNDF                     | %DM     | 40.30            | 39.68         | 33.43 - 49.20    |
| aNDFom                   | %DM     | 39.80            | 38.84         | 32.21 - 48.10    |
| Lignin (Sulfuric Acid)   | %DM     | 3.08             | 3.29          | 2.43 - 4.43      |
| Lignine                  | %NDFom  | 7.74             |               |                  |
| Lignin input (uNDF/2.4)  | %DM     | 4.15             |               |                  |
| NDFD12                   | %NDFom  | 34.60            | 32.80         | 28.50 - 37.50    |
| NDFD 30                  | %NDFom  | 60.33            | 53.74         | 47.40 - 62.75    |
| NDFD 120                 | %NDFom  | 72.49            | 68.39         | 62.68 - 74.88    |
| NDFD240                  | %NDFom  | 74.95            | 70.80         | 65.58 - 78.20    |
| uNDFom12                 | %DM     | 26.03            | 24.70         | 20.90 - 30.40    |
| uNDFom30                 | %DM     | 15.79            | 17.17         | 13.15 - 20.95    |
| uNDFom120                | %DM     | 10.95            | 12.45         | 9.59 - 13.90     |
| uNDFom240                | %DM     | 9.97             | 11.13         | 7.85 - 17.78     |
| Amidon                   | %DM     | 29.22            | 32.61         | 19.15 - 41.93    |
| IVSD7-o                  | %Starch | 76.12            | 69.18         | 51.07 - 78.15    |
| Gras (EE)                | %DM     | 3.89             | 3.01          | 2.23 - 3.86      |
| Acides Gras Totaux (AGT) | %DM     | 2.35             | 2.09          | 1.49 - 2.61      |
| 16:0 Palmitique          | %TFA    | 18.30            |               |                  |
| 18:0 Stearique           | %TFA    | 2.13             |               |                  |
| 18:1 Oleique             | %TFA    | 22.55            |               |                  |
| 18:2 Linoleique          | %TFA    | 47.23            |               |                  |
| 18:3 Linolenique         | %TFA    | 8.09             |               |                  |
| Cendres                  | %DM     | 3.01             | 4.10          | 2.81 - 6.19      |
| Calcium                  | %DM     | 0.20             | 0.23          | 0.16 - 0.31      |
| Phosphore                | %DM     | 0.19             | 0.24          | 0.19 - 0.28      |



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|                     |     |      |      |             |
|---------------------|-----|------|------|-------------|
| Magnesium           | %DM | 0.18 | 0.17 | 0.13 - 0.23 |
| Potassium           | %DM | 0.89 | 1.01 | 0.77 - 1.35 |
| Soufre              | %DM | 0.10 | 0.10 | 0.08 - 0.13 |
| Sucre (ESC)         | %DM | 2.26 | 1.85 | 0.54 - 5.66 |
| Sucre (WSC)         | %DM | 4.94 | 3.58 | 0.99 - 6.63 |
| Acide Lactique      | %DM | 3.64 | 3.86 | 0.47 - 5.61 |
| Acide Acétique      | %DM | 1.49 | 1.02 | 0.41 - 2.33 |
| Acide Propionique   | %DM | 0.37 | 0.32 | 0.18 - 0.49 |
| Silage Acids        | %DM | 5.50 |      |             |
| Lactic:Acetic ratio |     | 2:1  |      |             |

**Calculations**

|                           |      |       |
|---------------------------|------|-------|
| Starch kd rate MIR_P1T1   | %/hr | 23.87 |
| Proteine Brute Disponible | %DM  | 7.96  |
| NDF kd rate MIR_P1        | %/hr | 5.80  |

|              |           | <u>ADF</u> | <u>OARDC</u> | <u>MLK 2006</u><br><u>NonProc</u> | <u>MLK 2006</u><br><u>Processed</u> | <u>ISU Beef</u> |
|--------------|-----------|------------|--------------|-----------------------------------|-------------------------------------|-----------------|
| Nel 3x       | Mcal/kg   |            |              |                                   | 1.66                                |                 |
| Neg          | Mcal/kg   | 1.01       | 1.09         | 1.19                              |                                     | 1.11            |
| Nem          | Mcal/kg   | 1.62       | 1.71         | 1.82                              | 1.82                                | 1.72            |
| Beef per ton | lb/ton DM |            |              |                                   |                                     | 297.09          |

**Comment: RDP%CP=78.72 %DM=6.27**