

**CORN SILAGE 2022 - SALMON ARM**

**Comments:**

The silage corn varietal screening trial was tested by ICMS  
 The data presented is for one year only. Use with caution.  
 A target plant population of 79,700 seeds/ha (32,260 seeds/acre) was used.  
 Planting Date: May 25, 2022  
 Harvest Date: October 5, 2022  
 Yields are corrected to 65% moisture content (mc).

1. Each company assigns a corn heat unit (CHU) rating to each of their varieties. The CHU rating is a measure of relative maturity and is one criteria for choosing a variety suitable for your growing region.
2. Percent of plants were lodged at harvest.
3. Moisture content at harvest.
4. Milk per acre was calculated using MILK2006, a model developed by the University of Wisconsin Extension Service.
5. Beef per acre was calculated on the assumption that one pound of beef is produced for every six pounds of TDN.

| VARIETY             | CHU <sup>1</sup> | Lodging <sup>2</sup> (%) | Moisture <sup>3</sup> (%) | 65 % mc Yield (Tons/acre) | % Dry Matter      |         |          |         |                |            |            |      | NE Lactation ( Mcal/lb ) | Milk Per ( Lbs/Ton * ) | Lbs of Milk Per Acre | Lbs of Beef Per Acre <sup>s</sup> |
|---------------------|------------------|--------------------------|---------------------------|---------------------------|-------------------|---------|----------|---------|----------------|------------|------------|------|--------------------------|------------------------|----------------------|-----------------------------------|
|                     |                  |                          |                           |                           | Crude Protein (%) | ADF (%) | aNDF (%) | TDN (%) | 30 hr NDFD (%) | Lignin (%) | Starch (%) |      |                          |                        |                      |                                   |
| PS 2320RR           | 2200             | 0.4                      | 45.0                      | 33.5                      | 8.8               | 19.6    | 32.6     | 73.6    | 17.4           | 2.96       | 36.8       | 0.76 | 2857                     | 22440                  | 1927                 |                                   |
| PS 2495RR           | 2425             | 0.8                      | 51.9                      | 28.8                      | 6.6               | 27.4    | 43.7     | 68.1    | 25.4           | 3.35       | 24.2       | 0.70 | 2481                     | 25656                  | 2347                 |                                   |
| MCT 3223            | 2375             | 0.0                      | 48.8                      | 30.6                      | 6.9               | 25.1    | 42.2     | 69.3    | 22.7           | 3.41       | 35.5       | 0.72 | 2498                     | 27813                  | 2572                 |                                   |
| KF 35T14            | 2500             | 0.5                      | 56.5                      | 35.3                      | 8.2               | 23.5    | 40.1     | 69.5    | 23.8           | 3.02       | 33.0       | 0.72 | 2902                     | 34751                  | 2774                 |                                   |
| EXP-7965            | 2250             | 0.9                      | 44.8                      | 25.1                      | 7.3               | 27.1    | 44.6     | 67.6    | 24.0           | 3.52       | 29.3       | 0.70 | 2467                     | 20921                  | 1911                 |                                   |
| EXP-4458            | 2300-2400        | 1.3                      | 52.0                      | 28.0                      | 8.2               | 23.6    | 38.2     | 69.8    | 20.9           | 3.21       | 32.0       | 0.72 | 2815                     | 28306                  | 2340                 |                                   |
| EXP-8595            | 2400-2500        | 1.0                      | 46.5                      | 33.0                      | 7.6               | 25.3    | 42.0     | 68.8    | 24.1           | 3.33       | 28.5       | 0.71 | 2657                     | 29885                  | 2580                 |                                   |
| EXP-7908            | 2700             | 0.4                      | 53.0                      | 36.3                      | 7.6               | 21.5    | 36.2     | 71.9    | 20.6           | 2.93       | 37.5       | 0.74 | 2894                     | 33687                  | 2790                 |                                   |
| EXP-4078            | 2700             | 0.0                      | 46.4                      | 35.4                      | 8.4               | 26.2    | 42.5     | 68.0    | 22.1           | 3.69       | 29.2       | 0.70 | 2507                     | 35143                  | 3177                 |                                   |
| EXP-7842            | 2800             | 0.4                      | 58.9                      | 31.8                      | 7.9               | 20.4    | 34.0     | 72.5    | 19.3           | 2.82       | 40.2       | 0.75 | 3151                     | 32107                  | 2463                 |                                   |
| <b>LSD</b>          |                  | 1.7                      | 7.3                       | 5.1                       |                   |         |          |         |                |            |            |      |                          |                        |                      |                                   |
| <b>CV</b>           |                  | 213.9                    | 9.3                       | 11.2                      |                   |         |          |         |                |            |            |      |                          |                        |                      |                                   |
| <b>Site Average</b> |                  | 0.6                      | 52.1                      | 31.4                      |                   |         |          |         |                |            |            |      |                          |                        |                      |                                   |
| <b>Sign Diff</b>    |                  | No                       | Yes                       | Yes                       |                   |         |          |         |                |            |            |      |                          |                        |                      |                                   |

| VARIETY   | CHU <sup>1</sup> | TRAIT                 | SEED BRAND     |
|-----------|------------------|-----------------------|----------------|
| PS 2320RR | 2200             | Roundup Ready® Corn 2 | DLF Pickseed   |
| PS 2495RR | 2425             | Roundup Ready® Corn 2 | DLF Pickseed   |
| MCT 3223  | 2375             | Agrisure 3000GT       | Masters Choice |
| KF 35T14  | 2500             | Agrisure Viptera 3110 | Masters Choice |
| EXP-7965  | 2250             | "Confidential"        | "Confidential" |

| VARIETY  | CHU <sup>1</sup> | TRAIT          | SEED BRAND     |
|----------|------------------|----------------|----------------|
| EXP-4458 | 2300-2400        | "Confidential" | "Confidential" |
| EXP-8595 | 2400-2500        | "Confidential" | "Confidential" |
| EXP-7908 | 2700             | "Confidential" | "Confidential" |
| EXP-4078 | 2700             | "Confidential" | "Confidential" |
| EXP-7842 | 2800             | "Confidential" | "Confidential" |