

## FIELD EXPERIMENT HISTORY

**Title:** Private Silage - Syngenta  
**Experiment:** 01ST **Trial ID:** 6557 **Year:** 2021  
**Personnel:** Joe Lauer, Kent Kohn, Thierno Diallo  
**Location:** Arlington, WI **County:** Columbia  
**Supported By:** Syngenta

### Site Information

**Field:** ARS411 **Previous Crop:** Alfalfa **Soil Type:** Plano Silt Loam  
**Soil Test:** **Date:** 9 /1 /21 **pH** 6.3 **OM (%)** 4.0 **P (ppm)** 56 **K (ppm)** 75

### Plot Management

**Tillage Operations:** Field Cultivator

| <b>Fertilizer:</b> | <u>Analysis</u> | <u>Rate</u> | <u>Date</u> |
|--------------------|-----------------|-------------|-------------|
| Preplant           | 32-0-0          | 149 lbs/A   | N/A         |
| Starter            | 9-11-30-6S-1Zn  | 18 lbs/A    | 4 /27/21    |
| Post plant         | N/A             | N/A         | N/A         |
| Manure:            | N/A             | N/A         | N/A         |

**Herbicide:** Resicore 2.5 qt/A **Insecticide:** Force 3G 4.4 lbs/A  
**Irrigation:** None **Hybrid:** Factor

**Planting Date:** 4/27/21 **Planting Depth:** 1.5" **Row Width:** 30"

**Target Plant Density:** 35000 plants per acre **Planting Method:** Almaco Plot Planter

**Harvest Date:** 9/9/21 **Harvest Method:** NH 707

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 5' x 23' **Experiment Size:** 0.12 A  
**Harvest Plot Size:** 2.5' x 23' **Harvest Plant Density:** 33454 plants per acre

#### Hybrids:

|             |             |
|-------------|-------------|
| SK6217-5332 | SL6909-5222 |
| SK6758-5122 | SL7110-5122 |
| SK8749-5222 | SL7506-5222 |
| SL6170-3120 | SL7849-3120 |
| SL6889-3120 |             |

**Results: Table 2101-04.**

**Table: 2101-04. Syngenta Corn Silage Evaluation Study.  
Arlington, WI - 2021.**

| Hybrid                        | Dry Matter |          |     |      |      |      |      | Milk Per |       |       |
|-------------------------------|------------|----------|-----|------|------|------|------|----------|-------|-------|
|                               | Yield      | Moisture | CP  | ADF  | NDF  | IVD  | NDFD | Starch   | Ton   | Acre  |
|                               | T/A        | %        | %   | %    | %    | %    | %    | %        | lbs/T | lbs/A |
| SK6217-5332                   | 10.6       | 61.8     | 7.6 | 20.9 | 38.9 | 84.5 | 60.1 | 29.6     | 3226  | 34191 |
| SK6758-5122                   | 12.0       | 62.4     | 7.3 | 21.4 | 39.5 | 84.4 | 60.5 | 29.0     | 3212  | 38609 |
| SK8749-5222                   | 11.9       | 66.8     | 8.0 | 22.2 | 40.4 | 84.2 | 60.9 | 25.3     | 3079  | 36751 |
| SL6170-3120                   | 12.9       | 55.3     | 6.9 | 17.2 | 35.1 | 87.3 | 63.8 | 34.7     | 3289  | 42346 |
| SL6889-3120                   | 11.2       | 60.2     | 8.0 | 18.5 | 36.4 | 85.9 | 61.2 | 31.9     | 3298  | 36917 |
| SL6909-5222                   | 12.2       | 63.6     | 7.5 | 20.2 | 38.6 | 83.3 | 56.9 | 29.9     | 3197  | 38875 |
| SL7110-5122                   | 12.1       | 68.0     | 7.9 | 20.7 | 38.2 | 84.8 | 60.1 | 26.1     | 3010  | 36292 |
| SL7506-5222                   | 12.1       | 60.0     | 7.3 | 19.2 | 37.1 | 86.5 | 63.5 | 32.2     | 3347  | 40684 |
| SL7849-3120                   | 10.9       | 60.0     | 8.2 | 18.2 | 35.8 | 87.3 | 64.7 | 32.3     | 3382  | 36875 |
| Mean                          | 11.8       | 62.0     | 7.6 | 19.8 | 37.8 | 85.3 | 61.3 | 30.1     | 3227  | 37949 |
| <b><u>Probability (%)</u></b> |            |          |     |      |      |      |      |          |       |       |
| Hybrid (H)                    | 1.7        | 0.0      | 0.0 | 0.4  | 1.6  | 0.0  | 0.0  | 0.0      | 0.0   | 1.7   |
| <b><u>LSD (0.10)</u></b>      |            |          |     |      |      |      |      |          |       |       |
| Hybrid (H)                    | 1.0        | 2.3      | 0.3 | 1.9  | 2.4  | 1.2  | 1.4  | 2.7      | 112   | 3283  |

## FIELD EXPERIMENT HISTORY

**Title:** Private Silage - Syngenta  
**Experiment:** 01ST **Trial ID:** 6564 **Year:** 2021  
**Personnel:** Joe Lauer, Kent Kohn, Thierno Diallo  
**Location:** Chippewa Falls, WI **County:** Chippewa  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Corn **Soil Type:** Sattre Silt Loam  
**Soil Test:** **Date:** 9 /1 /21 **pH** 5.5 **OM (%)** 1.6 **P (ppm)** 69 **K (ppm)** 117

### Plot Management

**Tillage Operations:** Spring Chisel Field Cultivator

| <b>Fertilizer:</b> | <u>Analysis</u> | <u>Rate</u> | <u>Date</u> |
|--------------------|-----------------|-------------|-------------|
| Preplant           | 21-0-0-24S      | 11 lbs/A    | N/A         |
| Starter            | 9-11-30-6S-1Zn  | 18 lbs/A    | 4 /30/21    |
| Post plant         | 32-0-0          | 54 lbs/A    | N/A         |
| Manure:            | Dairy           | 10000 gal/A | N/A         |

|   |   |
|---|---|
| <b>Herbicide:</b><br>Atrazine 16 oz/A<br>Accent Q 0.9 oz/A<br>Capreno 3.0 oz/A<br>Sterling Blue 4.0 ozt/A | <b>Insecticide:</b><br>Force 3G 4.4 lbs/A<br><b>Hybrid:</b><br>Factor |
|---|---|

**Irrigation:** Irrigated

**Planting Date:** 4/30/21 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 35000 plants per acre **Planting Method:** Almaco Plot Planter  
**Harvest Date:** 9/13/21 **Harvest Method:** NH 707

### Experimental Design

|                                      |   |
|--------------------------------------|---|
| <b>Design:</b> RCB                   | <b>Replications:</b> 3                              |
| <b>Plot Size Seeded:</b> 5' x 23'    | <b>Experiment Size:</b> 0.05 A                      |
| <b>Harvest Plot Size:</b> 2.5' x 23' | <b>Harvest Plant Density:</b> 33332 plants per acre |

#### Hybrids:

SK5270-5122  
 SK5738-5122  
 SK6217-5332  
 SL5310-5222  
 SL6170-3120

**Results: Table 2101-05.**

**Table: 2101-05. Syngenta Corn Silage Evaluation Study.  
Chippewa Falls, WI - 2021.**

| Hybrid                        | Dry Matter |          |     |      |      |      |      | Milk Per |       |       |
|-------------------------------|------------|----------|-----|------|------|------|------|----------|-------|-------|
|                               | Yield      | Moisture | CP  | ADF  | NDF  | IVD  | NDFD | Starch   | Ton   | Acre  |
|                               | T/A        | %        | %   | %    | %    | %    | %    | %        | lbs/T | lbs/A |
| SK5270-5122                   | 11.3       | 64.3     | 6.8 | 20.6 | 37.8 | 83.9 | 57.5 | 32.5     | 3310  | 37340 |
| SK5738-5122                   | 11.0       | 64.5     | 7.1 | 22.1 | 39.9 | 82.9 | 57.4 | 27.0     | 2995  | 33116 |
| SK6217-5332                   | 11.0       | 65.1     | 7.7 | 21.8 | 40.1 | 83.0 | 57.6 | 28.2     | 3172  | 34880 |
| SL5310-5222                   | 10.4       | 61.5     | 7.3 | 20.5 | 37.9 | 85.3 | 61.1 | 30.7     | 3240  | 33567 |
| SL6170-3120                   | 12.0       | 61.7     | 6.5 | 18.6 | 35.7 | 85.8 | 60.3 | 34.4     | 3342  | 39888 |
| Mean                          | 11.1       | 63.4     | 7.1 | 20.7 | 38.3 | 84.2 | 58.8 | 30.5     | 3212  | 35758 |
| <b><u>Probability (%)</u></b> |            |          |     |      |      |      |      |          |       |       |
| Hybrid (H)                    | 63.0       | 18.9     | 0.4 | 23.7 | 20.6 | 14.7 | 5.7  | 3.2      | 3.3   | 28.1  |
| <b><u>LSD (0.10)</u></b>      |            |          |     |      |      |      |      |          |       |       |
| Hybrid (H)                    | NS         | NS       | 0.4 | NS   | NS   | NS   | 2.5  | 3.7      | 170.3 | NS    |

## FIELD EXPERIMENT HISTORY

**Title:** Private Silage - Syngenta  
**Experiment:** 01ST **Trial ID:** 6549 **Year:** 2021  
**Personnel:** Joe Lauer, Kent Kohn, Thierno Diallo  
**Location:** Fond du Lac, WI **County:** Fond du Lac  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Virgil Silt Loam  
**Soil Test:** **Date:** 9 /1 /21 **pH** 7.0 **OM (%)** 3.3 **P (ppm)** 51 **K (ppm)** 126

### Plot Management

**Tillage Operations:** Strip-Till

| <b>Fertilizer:</b> | <u>Analysis</u> | <u>Rate</u> | <u>Date</u> |
|--------------------|-----------------|-------------|-------------|
| Preplant           | N/A             | N/A         | N/A         |
| Starter            | 9-11-30-6S-1Zn  | 18 lbs/A    | 4 /27/21    |
| Post plant         | 32-0-0          | 165 lbs/A   | N/A         |
| Manure:            | N/A             | N/A         | N/A         |

**Herbicide:** Acuron 1.5 qt/A **Insecticide:** Force 3G 4.4 lbs/A  
**Irrigation:** None **Hybrid:** Factor

**Planting Date:** 4/27/21 **Planting Depth:** 1.5" **Row Width:** 30"

**Target Plant Density:** 35000 plants per acre **Planting Method:** Almaco Plot Planter

**Harvest Date:** 10/15/21 **Harvest Method:** NH 707

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 5' x 23' **Experiment Size:** 0.15 A  
**Harvest Plot Size:** 2.5' x 23' **Harvest Plant Density:** 33427 plants per acre

#### Hybrids:

|             |             |
|-------------|-------------|
| SK5270-5122 | SL6889-3120 |
| SK5738-5122 | SL6909-5222 |
| SK6217-5332 | SL7110-5122 |
| SK6758-5122 | SL7506-5222 |
| SL5310-5222 | SL7849-3120 |
| SL6170-3120 |             |

**Results: Table 2101-06.**

**Table: 2101-06. Syngenta Corn Silage Evaluation Study.**  
**Fond du Lac, WI - 2021.**

| Hybrid                 | Dry Matter |          |     |      |      |      |      |        | Milk Per |       |
|------------------------|------------|----------|-----|------|------|------|------|--------|----------|-------|
|                        | Yield      | Moisture | CP  | ADF  | NDF  | IVD  | NDFD | Starch | Ton      | Acre  |
|                        | T/A        | %        | %   | %    | %    | %    | %    | %      | lbs/T    | lbs/A |
| SK5270-5122            | 10.2       | 66.5     | 7.1 | 20.1 | 37.1 | 85.1 | 60.0 | 30.9   | 3249     | 33328 |
| SK5738-5122            | 12.0       | 68.5     | 7.7 | 21.8 | 39.4 | 83.8 | 58.8 | 26.7   | 3065     | 36814 |
| SK6217-5332            | 11.4       | 69.0     | 7.7 | 20.9 | 38.8 | 85.0 | 61.5 | 27.4   | 3152     | 35829 |
| SK6758-5122            | 12.5       | 68.6     | 6.9 | 23.0 | 40.6 | 83.7 | 59.8 | 25.3   | 2972     | 37215 |
| SL5310-5222            | 11.3       | 66.1     | 7.4 | 19.6 | 36.6 | 86.3 | 62.5 | 31.5   | 3368     | 38043 |
| SL6170-3120            | 13.8       | 66.0     | 7.1 | 18.4 | 35.5 | 87.0 | 63.4 | 33.9   | 3494     | 48432 |
| SL6889-3120            | 10.7       | 71.4     | 7.7 | 24.1 | 42.5 | 82.2 | 58.2 | 23.0   | 2903     | 31005 |
| SL6909-5222            | 10.7       | 69.5     | 7.7 | 22.3 | 40.0 | 83.4 | 58.6 | 26.3   | 3062     | 32969 |
| SL7110-5122            | 13.4       | 70.6     | 7.5 | 19.0 | 35.5 | 85.7 | 59.8 | 30.6   | 3187     | 42945 |
| SL7506-5222            | 11.6       | 69.3     | 7.1 | 21.5 | 38.9 | 84.9 | 61.4 | 29.4   | 3267     | 37831 |
| SL7849-3120            | 11.6       | 67.6     | 7.8 | 20.9 | 38.2 | 85.1 | 60.9 | 29.9   | 3315     | 38328 |
| Mean                   | 11.7       | 68.5     | 7.4 | 21.1 | 38.5 | 84.7 | 60.5 | 28.6   | 3185     | 37522 |
| <b>Probability (%)</b> |            |          |     |      |      |      |      |        |          |       |
| Hybrid (H)             | 0.0        | 6.2      | 0.4 | 10.5 | 14.8 | 16.6 | 21.4 | 2.4    | 0.5      | 0.2   |
| <b>LSD (0.10)</b>      |            |          |     |      |      |      |      |        |          |       |
| Hybrid (H)             | 1.1        | 2.9      | 0.4 | NS   | NS   | NS   | NS   | 4.6    | 218      | 5423  |

## FIELD EXPERIMENT HISTORY

**Title:** Private Silage - Syngenta  
**Experiment:** 01ST **Trial ID:** 6548 **Year:** 2021  
**Personnel:** Joe Lauer, Kent Kohn, Thierno Diallo  
**Location:** Galesville, WI **County:** Trempeleau  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Downs Silt Loam  
**Soil Test:** **Date:** 9 /1 /21 **pH** 5.1 **OM (%)** 3.1 **P (ppm)** 93 **K (ppm)** 160

### Plot Management

**Tillage Operations:** Field Cultivator

| <b>Fertilizer:</b> |                   | <u>Analysis</u> | <u>Rate</u> | <u>Date</u> |
|--------------------|-------------------|-----------------|-------------|-------------|
|                    | <b>Preplant</b>   | 46-0-0          | 100 lbs/A   | N/A         |
|                    |                   | 21-0-0-24S      | 21 lbs/A    | N/A         |
|                    |                   | 18-46-0         | 18 lbs/A    | N/A         |
|                    | <b>Starter</b>    | 9-11-30-6S-1Zn  | 18 lbs/A    | 5 /7 /21    |
|                    | <b>Post plant</b> | N/A             | N/A         | N/A         |
|                    | <b>Manure:</b>    | N/A             | N/A         | N/A         |

**Herbicide:** Callisto 3.0 oz/A **Insecticide:** Force 3G 4.4 lbs/A  
 Dual II Mag 3.0 pt/A **Hybrid:** Factor

**Irrigation:** None

**Planting Date:** 5/7/21 **Planting Depth:** 1.5" **Row Width:** 30"

**Target Plant Density:** 35000 plants per acre **Planting Method:** Almaco Plot Planter

**Harvest Date:** 9/30/21 **Harvest Method:** NH 707

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 5' x 23' **Experiment Size:** 0.15 A  
**Harvest Plot Size:** 2.5' x 23' **Harvest Plant Density:** 32461 plants per acre

#### Hybrids:

|             |             |
|-------------|-------------|
| SK5270-5122 | SL6889-3120 |
| SK5738-5122 | SL6909-5222 |
| SK6217-5332 | SL7110-5122 |
| SK6758-5122 | SL7506-5222 |
| SL5310-5222 | SL7849-3120 |
| SL6170-3120 |             |

**Results: Table 2101-07.**

**Table: 2101-07. Syngenta Corn Silage Evaluation Study.  
Galesville, WI - 2021.**

| Hybrid                        | Dry Matter |          |     |      |      |      |      |        | Milk Per |       |
|-------------------------------|------------|----------|-----|------|------|------|------|--------|----------|-------|
|                               | Yield      | Moisture | CP  | ADF  | NDF  | IVD  | NDFD | Starch | Ton      | Acre  |
|                               | T/A        | %        | %   | %    | %    | %    | %    | %      | lbs/T    | lbs/A |
| SK5270-5122                   | 10.6       | 68.6     | 7.4 | 23.3 | 40.6 | 83.1 | 58.3 | 27.3   | 3115     | 33071 |
| SK5738-5122                   | 11.5       | 71.6     | 7.7 | 23.3 | 40.7 | 82.7 | 57.5 | 24.8   | 2932     | 33763 |
| SK6217-5332                   | 10.7       | 71.7     | 8.1 | 23.3 | 41.3 | 82.1 | 56.7 | 26.1   | 3070     | 32811 |
| SK6758-5122                   | 12.2       | 71.9     | 7.4 | 25.5 | 43.3 | 81.0 | 56.2 | 24.4   | 2962     | 36196 |
| SL5310-5222                   | 10.3       | 69.5     | 7.6 | 26.2 | 44.1 | 81.6 | 58.4 | 24.9   | 3111     | 31940 |
| SL6170-3120                   | 14.5       | 67.9     | 7.2 | 19.4 | 36.2 | 85.8 | 60.8 | 32.4   | 3349     | 48649 |
| SL6889-3120                   | 10.7       | 72.4     | 8.3 | 23.3 | 41.4 | 82.7 | 58.3 | 24.4   | 2991     | 32072 |
| SL6909-5222                   | 11.5       | 70.4     | 7.2 | 22.6 | 40.6 | 82.5 | 56.8 | 25.5   | 2921     | 33644 |
| SL7110-5122                   | 12.5       | 74.2     | 7.8 | 23.5 | 40.5 | 82.8 | 57.5 | 24.6   | 2912     | 36427 |
| SL7506-5222                   | 11.7       | 71.6     | 7.6 | 25.0 | 43.0 | 82.8 | 60.2 | 25.3   | 3128     | 36996 |
| SL7849-3120                   | 11.4       | 68.9     | 8.1 | 21.6 | 39.3 | 84.4 | 60.5 | 28.9   | 3281     | 37515 |
| Mean                          | 11.6       | 70.8     | 7.7 | 23.4 | 41.0 | 82.9 | 58.3 | 26.2   | 3070     | 35735 |
| <b><u>Probability (%)</u></b> |            |          |     |      |      |      |      |        |          |       |
| Hybrid (H)                    | 0.1        | 0.8      | 0.4 | 10.0 | 15.7 | 13.6 | 2.1  | 17.4   | 7.3      | 0.9   |
| <b><u>LSD (0.10)</u></b>      |            |          |     |      |      |      |      |        |          |       |
| Hybrid (H)                    | 1.3        | 2.5      | 0.5 | NS   | NS   | NS   | 2.3  | NS     | 245      | 6255  |



## FIELD EXPERIMENT HISTORY

**Title:** Private Silage - Syngenta  
**Experiment:** 01ST **Trial ID:** 6563 **Year:** 2021  
**Personnel:** Joe Lauer, Kent Kohn, Thierno Diallo  
**Location:** Marshfield, WI **County:** Marathon  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Fenwood Silt Loam  
**Soil Test:** **Date:** 9 /1 /21 **pH** 6.5 **OM (%)** 2.7 **P (ppm)** 30 **K (ppm)** 80

### Plot Management

**Tillage Operations:** Strip-Till Vertical-Till

| <b>Fertilizer:</b> |                   | <u>Analysis</u> | <u>Rate</u> | <u>Date</u> |
|--------------------|-------------------|-----------------|-------------|-------------|
|                    | <b>Preplant</b>   | 18-46-0         | N/A         | 23 lbs/A    |
|                    | <b>Starter</b>    | 9-11-30-6S-1Zn  | 18 lbs/A    | 5 /1 /21    |
|                    | <b>Post plant</b> | 29-0-0-3S       | 119 lbs/A   | N/A         |
|                    | <b>Manure:</b>    | Dairy           | 25 ton      | N/A         |

**Herbicide:** Resicore 2.0 qt/A **Insecticide:** Force 3G 4.4 lbs/A  
**Irrigation:** None **Hybrid:** Factor

**Planting Date:** 5/10/21 **Planting Depth:** 1.5" **Row Width:** 30"

**Target Plant Density:** 35000 plants per acre **Planting Method:** Almaco Plot Planter

**Harvest Date:** 9/22/21 **Harvest Method:** NH 707

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 5' x 23' **Experiment Size:** 0.05 A  
**Harvest Plot Size:** 2.5' x 23' **Harvest Plant Density:** 32325 plants per acre

#### Hybrids:

SK5270-5122  
 SK5738-5122  
 SK6217-5332  
 SL5310-5222  
 SL6170-3120

**Results: Table 2101-08.**

**Table: 2101-08. Syngenta Corn Silage Evaluation Study.  
Marshfield, WI - 2021.**

| Hybrid                        | Dry Matter |          |     |      |      |      |      | Milk Per |       |       |
|-------------------------------|------------|----------|-----|------|------|------|------|----------|-------|-------|
|                               | Yield      | Moisture | CP  | ADF  | NDF  | IVD  | NDFD | Starch   | Ton   | Acre  |
|                               | T/A        | %        | %   | %    | %    | %    | %    | %        | lbs/T | lbs/A |
| SK5270-5122                   | 9.8        | 70.3     | 7.1 | 24.4 | 42.8 | 81.9 | 57.8 | 23.7     | 2905  | 28535 |
| SK5738-5122                   | 10.7       | 70.1     | 7.0 | 22.4 | 39.9 | 83.6 | 58.9 | 26.6     | 3012  | 32210 |
| SK6217-5332                   | 10.0       | 72.0     | 7.3 | 24.3 | 42.9 | 81.4 | 56.6 | 23.5     | 2880  | 28819 |
| SL5310-5222                   | 11.0       | 68.7     | 6.5 | 23.8 | 41.8 | 83.1 | 59.7 | 23.4     | 2832  | 31001 |
| SL6170-3120                   | 12.5       | 67.7     | 6.4 | 20.4 | 38.0 | 84.8 | 60.1 | 30.5     | 3213  | 40061 |
| Mean                          | 10.8       | 69.8     | 6.9 | 23.1 | 41.1 | 83.0 | 58.6 | 25.5     | 2968  | 32125 |
| <b><u>Probability (%)</u></b> |            |          |     |      |      |      |      |          |       |       |
| Hybrid (H)                    | 1.2        | 1.2      | 1.2 | 2.2  | 3.3  | 4.5  | 8.8  | 1.7      | 7.7   | 0.6   |
| <b><u>LSD (0.10)</u></b>      |            |          |     |      |      |      |      |          |       |       |
| Hybrid (H)                    | 1.1        | 1.7      | 0.4 | 1.9  | 2.6  | 1.8  | 2.2  | 3.3      | 224.3 | 4232  |

## FIELD EXPERIMENT HISTORY

**Title:** Private Silage - Syngenta  
**Experiment:** 01ST **Trial ID:** 6556 **Year:** 2021  
**Personnel:** Joe Lauer, Kent Kohn, Thierno Diallo  
**Location:** Montfort, WI **County:** Iowa  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Dodgeville Silt Loam  
**Soil Test:** **Date:** 9 /1 /21 **pH** 6.1 **OM (%)** 3.2 **P (ppm)** 78 **K (ppm)** 99

### Plot Management

**Tillage Operations:** Strip-Till

| <b>Fertilizer:</b> |                   | <u>Analysis</u> | <u>Rate</u> | <u>Date</u> |
|--------------------|-------------------|-----------------|-------------|-------------|
|                    | <b>Preplant</b>   | 32-0-0          | 160 lbs/A   | N/A         |
|                    |                   | 12-0-026S       | 13 lbs/A    | N/A         |
|                    |                   | 46-0-0          | 23 lbs/A    | N/A         |
|                    |                   | 11-52-0         | 6 lbs/A     | N/A         |
|                    | <b>Starter</b>    | 9-11-30-6S-1Zn  | 18 lbs/A    | 4 /26/21    |
|                    | <b>Post plant</b> | N/A             | N/A         | N/A         |
|                    | <b>Manure:</b>    | N/A             | N/A         | N/A         |

**Herbicide:** Atrazine 4L 32.0 oz/A **Insecticide:** Force 3G 4.4 lbs/A  
 Explorer 3.0 oz/A **Hybrid:** Factor  
 Roundup 25.6 oz/A  
 Zidua 3.25 oz/A

**Irrigation:** None

**Planting Date:** 4/26/21 **Planting Depth:** 1.5" **Row Width:** 30"

**Target Plant Density:** 35000 plants per acre **Planting Method:** Almaco Plot Planter

**Harvest Date:** 9/30/21 **Harvest Method:** NH 707

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 5' x 23' **Experiment Size:** 0.12 A  
**Harvest Plot Size:** 2.5' x 23' **Harvest Plant Density:** 32969 plants per acre

#### Hybrids:

|             |             |
|-------------|-------------|
| SK6217-5332 | SL6909-5222 |
| SK6758-5122 | SL7110-5122 |
| SK8749-5222 | SL7506-5222 |
| SL6170-3120 | SL7849-3120 |
| SL6889-3120 |             |

**Results: Table 2101-09.**

**Table: 2101-09. Syngenta Corn Silage Evaluation Study.  
Montfort, WI - 2021.**

| Hybrid                        | Dry Matter |          |     |      |      |      |      |        | Milk Per |       |
|-------------------------------|------------|----------|-----|------|------|------|------|--------|----------|-------|
|                               | Yield      | Moisture | CP  | ADF  | NDF  | IVD  | NDFD | Starch | Ton      | Acre  |
|                               | T/A        | %        | %   | %    | %    | %    | %    | %      | lbs/T    | lbs/A |
| SK6217-5332                   | 10.0       | 67.0     | 8.1 | 22.2 | 39.4 | 83.5 | 58.0 | 29.9   | 3323     | 33347 |
| SK6758-5122                   | 11.2       | 68.3     | 7.2 | 22.8 | 40.8 | 83.6 | 59.9 | 28.0   | 3215     | 35999 |
| SK8749-5222                   | 11.8       | 69.9     | 7.9 | 21.1 | 38.4 | 85.1 | 61.3 | 29.5   | 3302     | 39171 |
| SL6170-3120                   | 12.0       | 61.7     | 7.2 | 18.2 | 35.1 | 86.8 | 62.3 | 36.4   | 3542     | 42656 |
| SL6889-3120                   | 10.3       | 67.4     | 7.8 | 22.5 | 40.6 | 83.4 | 59.0 | 28.2   | 3244     | 33486 |
| SL6909-5222                   | 10.5       | 67.5     | 7.5 | 23.0 | 41.5 | 81.9 | 56.8 | 27.7   | 3158     | 33509 |
| SL7110-5122                   | 12.0       | 70.0     | 7.7 | 22.6 | 39.6 | 82.3 | 55.3 | 27.4   | 3042     | 36538 |
| SL7506-5222                   | 10.7       | 64.2     | 7.3 | 20.9 | 38.1 | 85.3 | 61.5 | 33.2   | 3488     | 37419 |
| SL7849-3120                   | 10.7       | 65.6     | 8.1 | 21.3 | 38.8 | 84.7 | 60.6 | 30.8   | 3421     | 36526 |
| Mean                          | 11.0       | 66.8     | 7.6 | 21.6 | 39.1 | 84.1 | 59.4 | 30.1   | 3304     | 36517 |
| <b><u>Probability (%)</u></b> |            |          |     |      |      |      |      |        |          |       |
| Hybrid (H)                    | 2.5        | 0.3      | 0.7 | 24.5 | 23.7 | 10.2 | 0.9  | 3.9    | 1.6      | 9.5   |
| <b><u>LSD (0.10)</u></b>      |            |          |     |      |      |      |      |        |          |       |
| Hybrid (H)                    | 1.1        | 2.9      | 0.4 | NS   | NS   | NS   | 2.9  | 4.4    | 212      | 5155  |

## FIELD EXPERIMENT HISTORY

**Title:** Private Silage - Syngenta  
**Experiment:** 01ST **Trial ID:** 6562 **Year:** 2021  
**Personnel:** Joe Lauer, Kent Kohn, Thierno Diallo  
**Location:** Valders, WI **County:** Manitowoc  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Corn **Soil Type:** Kewaunee Clay Loam  
**Soil Test:** **Date:** 9 /1 /21 **pH** 7.4 **OM (%)** 2.8 **P (ppm)** 31 **K (ppm)** 82

### Plot Management

**Tillage Operations:** Chisel Plow Field Cultivator

| <b>Fertilizer:</b> | <u>Analysis</u> | <u>Rate</u> | <u>Date</u> |
|--------------------|-----------------|-------------|-------------|
| Preplant           | N/A             | N/A         | N/A         |
| Starter            | 9-11-30-6S-1Zn  | 18 lbs/A    | 4 /29/21    |
| Post plant         | 32-0-0          | 131 lbs/A   | N/A         |
| Manure:            | Dairy           | 10000 gal/A | N/A         |

**Herbicide:** Atrazine 1.0 lb/A  
 Realm Q 4.0oz/A  
 TripleFlex 3.0 qt/A

**Insecticide:** Force 3G 4.4 lbs/A  
**Hybrid:** Factor

**Irrigation:** None

**Planting Date:** 4/29/21 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 35000 plants per acre **Planting Method:** Almaco Plot Planter  
**Harvest Date:** 9/16/21 **Harvest Method:** NH 707

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 5' x 23' **Experiment Size:** 0.05 A  
**Harvest Plot Size:** 2.5' x 23' **Harvest Plant Density:** 33083 plants per acre

#### Hybrids:

SK5270-5122  
 SK5738-5122  
 SK6217-5332  
 SL5310-5222  
 SL6170-3120

**Results: Table 2101-10.**

**Table: 2101-10. Syngenta Corn Silage Evaluation Study.  
Valders, WI - 2021.**

| Hybrid                        | Dry Matter |          |     |      |      |      |      | Milk Per |       |       |
|-------------------------------|------------|----------|-----|------|------|------|------|----------|-------|-------|
|                               | Yield      | Moisture | CP  | ADF  | NDF  | IVD  | NDFD | Starch   | Ton   | Acre  |
|                               | T/A        | %        | %   | %    | %    | %    | %    | %        | lbs/T | lbs/A |
| SK5270-5122                   | 9.5        | 58.9     | 6.4 | 19.5 | 37.2 | 85.0 | 59.6 | 32.9     | 3222  | 30570 |
| SK5738-5122                   | 10.6       | 63.4     | 7.2 | 20.7 | 39.0 | 83.9 | 58.8 | 28.3     | 3099  | 32890 |
| SK6217-5332                   | 10.9       | 62.8     | 7.4 | 19.1 | 36.7 | 85.4 | 60.2 | 33.3     | 3402  | 36966 |
| SL5310-5222                   | 9.9        | 64.5     | 7.1 | 22.6 | 41.5 | 83.3 | 59.6 | 27.2     | 3164  | 31402 |
| SL6170-3120                   | 11.8       | 61.5     | 6.7 | 17.3 | 34.3 | 87.4 | 63.1 | 36.1     | 3482  | 41058 |
| Mean                          | 10.5       | 62.2     | 6.9 | 19.8 | 37.7 | 85.0 | 60.3 | 31.5     | 3274  | 34577 |
| <b><u>Probability (%)</u></b> |            |          |     |      |      |      |      |          |       |       |
| Hybrid (H)                    | 32.5       | 0.6      | 2.9 | 0.7  | 0.5  | 1.3  | 3.5  | 0.1      | 0.3   | 11.9  |
| <b><u>LSD (0.10)</u></b>      |            |          |     |      |      |      |      |          |       |       |
| Hybrid (H)                    | NS         | 2.0      | 0.5 | 1.8  | 2.4  | 1.6  | 2.1  | 2.4      | 134   | NS    |