

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | % Moistur | % DM | Crude P %DM | Avail Protein | ADIC P | Adj Cr. Protein | Sol P %CP | Sol P %DM | Degr P %CP | Degr P %DM | ADF %DM | NDF %DM | NFC %DM | WSC %DM | Cr Fat %DM | Ash %DM | TDN | TDN1 X |
|---------|---------|--------------|-------------------------------------|-----------|-------|-------------|---------------|--------|-----------------|-----------|-----------|------------|------------|---------|---------|---------|---------|------------|---------|-------|--------|
| HA2 | (Hay) | 08/24/23 | D. Flood 2ND CUT HAY (fed AH) | 18.6 | 81.4 | 18.6 | | | 18.6 | 33 | 6.1 | 70 | 13.0 | 35.9 | 57.6 | 13.9 | 7.5 | | | 57 | 57 |
| HA1 | (Hay) | 08/25/23 | J. Morse 1ST CUT HAY (fed AL) | 17 | 83 | 9.4 | | | 9.4 | 28 | 2.6 | 62 | 5.8 | 38.5 | 64.3 | 16.3 | 9.7 | | | 55 | 55 |
| | | | Dairy One Ave 2004-'24 Grass Hay | | | 11.03 | | | | 33.94 | 3.74 | 65.02 | 7.17 | | | 19.40 | 11.33 | 2.63 | | | |
| | | | Dairy One Ave 2004-'24 Grass Silage | | | 15.48 | | | | 53.19 | 8.23 | 70.70 | 10.94 | | | 16.80 | 7.96 | 3.97 | | | |
| PF2 | Qt bag | 10/4 & -6/22 | LAUFERS RED OAK FRESH | 48.3 | 51.7 | 12 | | | | failed | | failed | | 30.5 | 48.1 | 29.3 | 8.3 | 3.2 | 5.26 | 60 | 60 |
| PE2 | Bucket | 10/4 & -6/22 | LAUFERS RED OAK ENSEILED | 50.1 | 49.9 | 13.2 | 8.8 | 4.3 | failed | failed | | failed | | 30.5 | 51.5 | | 5.2 | not req | | 56 | 56 |
| B4 | #4 2022 | 10/4 & -6/22 | LAUFERS' OAK ENSEILED | 47.1 | 52.9 | 13.3 | 10.6 | 2.7 | 11.6 | failed | | failed | | 28.8 | 45 | | not req | 6.5 | | 64 | 64 |
| B2 | #3 FVF | 09/28/23 | FVF RED OAK ENSEILED | 56.3 | 43.7 | 16.4 | 13.9 | 2.5 | failed | failed | | failed | | 27.8 | 42.5 | | 2.9 | not req | | 61 | 61 |
| C14 | #11 FVF | 10/08/23 | FVF RED OAK (above Gr Ash) | 58.6 | 41.4 | 15.6 | 13.1 | 2.5 | failed | failed | | failed | | 27.3 | 40.4 | | 6.6 | not req | | 61 | 61 |
| A1 | #12 | 10/09/23 | FVF RED OAK ENSEILED | 52.5 | 47.5 | 14.8 | 12.8 | 2 | failed | failed | | failed | | 28.6 | 50.4 | | 6.7 | not req | | 59 | 59 |
| | | | Ensiled Red Oak Aves | 52.92 | 47.08 | 14.66 | 11.84 | 2.80 | | | | | | 28.60 | 45.96 | | 5.35 | 6.50 | | 60.20 | 60.20 |
| A7 | #14 | 07/08/23 | MOFGA QUAKING ASPEN ENSILE | 55.8 | 44.2 | 12.9 | 9 | 3.9 | 10 | 10 | 1.3 | failed | | 24.7 | 35.5 | | 11.1 | not req | | 61 | 61 |
| B6 | #16 | 07/11/23 | MOFGA QUAKING ASPEN ENSILE | 61.2 | 38.8 | 15.6 | 13 | 2.5 | 14 | 22 | 3.4 | 26 | 4.1 | 23.6 | 31.3 | | 7.9 | not req | | 64 | 64 |
| A4 | #19 | 07/12/23 | MOFGA QUAKING ASPEN ENSILE | 62 | 38 | 15.2 | 10.7 | 4.5 | 11.7 | 10 | 1.5 | failed | | 26.1 | 36.6 | | 7.2 | not req | | 60 | 60 |
| C11 | #20 | 07/12/23 | MOFGA QUAKING ASPEN ENSILE | 57.9 | 42.1 | 12.9 | 8.6 | 4.4 | 9.6 | 10 | 1.3 | 12 | 1.5 | 23 | 31.2 | | 10 | not req | | 62 | 62 |
| A6 | #21 | 07/13/23 | MDFGA QUAKING ASPEN ENSILE | 59.9 | 40.1 | 13.6 | 9.5 | 4.1 | 10.5 | 9 | 1.2 | failed | | 20 | 29.1 | | 18 | not req | | 63 | 63 |
| B8 | #25 | 07/15/23 | MOFGA QUAKING ASPEN ENSILE | 60 | 40 | 15.2 | 10 | 5.2 | 11 | 10 | 1.5 | 10 | 1.5 | 23.6 | 32.9 | | 10 | not req | | 61 | 61 |
| A3 | #35 | 07/20/23 | MOFGA QUAKING ASPEN ENSILE | 61.5 | 38.5 | 12.6 | 8.4 | 4.2 | 9.4 | 8 | 1.0 | failed | | 23 | 33.5 | | 12.8 | not req | | 61 | 61 |
| | | | Ensiled Quaking Aspen Aves | 59.76 | 40.24 | 14.00 | 9.89 | 4.11 | 10.89 | 11.29 | 1.61 | 16.00 | 2.37 | 23.43 | 32.87 | | 11.00 | | | 61.71 | 61.71 |
| PF16B | Qt bag | 10/11/23 | YKF BIG TOOTHED ASPEN FRESH | 56.4 | 43.6 | 9.8 | | | 9.8 | 12 | 1.2 | 16.0 | 1.6 | 27.1 | 38.8 | 38.3 | 14 | 8.1 | 5.07 | 72 | 72 |
| C1 | #54 | 10/11/23 | YKF BIG-TOOTHED ASPEN ENSIL | 57.9 | 42.1 | 10.9 | 5.3 | 5.6 | 6.3 | 17 | 1.9 | 18 | 2.0 | 28.2 | 39.9 | | 11.8 | not req | | 58 | 58 |
| C6 | #56 | 10/10-11/23 | BIG TOOTHED ASPEN ENSEILED | 58.6 | 41.4 | 10.3 | 5.9 | 4.4 | 6.9 | 11 | 1.1 | 12 | 1.2 | 26.3 | 37.9 | | 10.1 | not req | | 59 | 59 |
| Fer#1 | Bucket | 09/28/23 | YKF BT ASPEN Hand-str ENS 1+yr | 59.4 | 40.6 | 11.1 | 5.4 | 5.7 | 6.4 | | | | | 30.3 | 41.1 | 33.7 | 4.1 | 8.6 | 5.53 | 66 | 66 |
| | | | Ensiled Big-Toothed Aspen Aves | 58.25 | 41.75 | 10.60 | 5.60 | 5.00 | 6.60 | 14.00 | 1.39 | 15.00 | 1.60 | 27.25 | 38.90 | | 10.95 | | | 58.50 | 58.5 |
| PF1 | Qt bag | 09/18/23 | YKF WHITE ASH FRESH | 66.6 | 33.4 | 11 | | | 11 | 13 | 1.4 | 19.00 | 2.1 | 25.3 | 36.4 | 42.1 | 7.9 | 4.5 | 5.9 | 63 | 63 |
| PE1 | (Pair) | 09/18/23 | YKF WHITE ASH ENSEILED | 64.9 | 35.1 | 10.6 | 5.3 | 5.3 | 6.3 | 18 | 1.9 | 21 | 2.2 | 24.8 | 35 | | 7 | not req | | 60 | 60 |
| PF20 | Qt bag | 10/06/23 | FVF WHITE ASH FRESH | 59.8 | 40.2 | 8.8 | | | 8.8 | 17 | 1.5 | 32.00 | 2.8 | 24.9 | 37.8 | 39.7 | 7.2 | 6.6 | 7.01 | 69 | 69 |
| A13 | #10 FVF | 10/06/23 | FVF WHITE ASH ENSEILED | 61.1 | 38.9 | 9.3 | 6.6 | 2.7 | 7.6 | 30 | 2.8 | failed | | 26.4 | 39.4 | | 8.2 | not req | | 61 | 61 |
| B15 | #53 | 9/18-20/23 | YKF WHITE ASH ENSEILED | 59.6 | 40.4 | 10.8 | 6.4 | 4.3 | 7.4 | 17 | 1.8 | 19 | 2.1 | 29.3 | 43.6 | | 8.1 | not req | | 58 | 58 |
| C18 | #54 | 09/20/23 | YKF WHITE ASH ENS (below BT As | 50.7 | 49.3 | 11 | 6 | 5 | 7 | 12 | 1.3 | 15 | 1.7 | 26 | 37.6 | | 7.3 | not req | | 59 | 59 |
| B13 | #1 FVF | 09/26/23 | FVF WHITE ASH ENSEILED | 61.6 | 38.4 | 12.4 | 6.9 | 5.5 | 7.9 | 12 | 1.5 | 17 | 2.1 | 28.5 | 40.9 | | 9.7 | not req | | 58 | 58 |
| C2 | #2 FVF | 09/27/23 | FVF WHITE ASH ENSEILED | 50.6 | 49.4 | 12.4 | 8.3 | 4.1 | 9.3 | 19 | 2.4 | 24 | 3.0 | 25.5 | 38.7 | | 10 | not req | | 60 | 60 |
| | | | Ensiled White Ash Aves | 58.08 | 41.92 | 11.08 | 6.58 | 4.48 | 7.58 | 18.00 | 1.95 | 19.20 | 2.20 | 26.75 | 39.20 | | 8.38 | | | 59.33 | 59.33 |
| PF18 | Qt bag | 06/30/23 | MOFGA GREEN ASH FRESH | 56.1 | 43.9 | 15.4 | | | 15.4 | 7 | 1.1 | 20 | 3.1 | 26.9 | 43.3 | 32.1 | 8.3 | 4 | 5.23 | 66 | 66 |
| PE18 | Bucket | 06/30/23 | MOFGA GREEN ASH ENSEILED | 60.9 | 39.1 | 16.7 | 6.2 | 10.5 | 7.2 | 15 | 2.5 | 23 | 3.8 | 36.1 | 48.7 | 22.9 | 5.5 | 4.9 | 6.77 | 55 | 55 |
| N#7 | #40 | 07/26/23 | MOFGA GREEN ASH ENS (wirth Hc | 52.8 | 47.2 | 11.9 | 8.4 | 3.5 | 9.4 | | | | | 27.5 | 39.5 | 40 | 11.7 | 3.3 | 5.28 | 62 | 62 |
| C12 | #7 FVF | 10/02/23 | FVF GREEN ASH ENSEILED | 56.8 | 43.2 | 12.2 | 8.7 | 3.5 | 9.7 | 19 | 2.3 | 28 | 3.4 | 24.1 | 36.6 | | 6.8 | not req | | 61 | 61 |
| C5 | #9 | 10/05/23 | FVF GREEN ASH ENSEILED | 55.3 | 44.7 | 12.7 | 9.4 | 3.3 | 10.4 | 26 | 3.3 | 29 | 3.7 | 25.3 | 38.4 | | 10.1 | not req | | 61 | 61 |
| C4 | #11 FVF | 10/08/23 | FVF GREEN ASH ENSEILED | 59.5 | 40.5 | 10.3 | 7.6 | 2.7 | 8.6 | 27 | 2.8 | 31 | 3.2 | 28.9 | 41.2 | | 7.4 | not req | | 60 | 60 |
| | | | Ensiled Green Ash Aves | 58.13 | 41.88 | 12.98 | 7.98 | 5.00 | 8.98 | 21.75 | 2.73 | 27.75 | 3.53 | 28.60 | 41.23 | 22.90 | 7.45 | 4.90 | 6.77 | 59.25 | 59.25 |

WSC/CP Ratio: 0.5742

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | % Moistur | % DM | Crude P %DM | Avail Protein | ADIC P | Adj Cr. Protein | Sol P %CP | Sol P %DM | Degr P %CP | Degr P %DM | ADF %DM | NDF %DM | NFC %DM | WSC %DM | Cr Fat %DM | Ash %DM | TDN | TDN1 X |
|---------|-----------------------|---------------|---|-----------|-------|-------------|---------------|--------|-----------------|-----------|-----------|------------|------------|---------|---------|---------|---------|------------|---------|-------|--------|
| N#5 | Qt bag | 6/15/24 | YKF BLACK CHERRY FRESH (did c | 63.5 | 36.5 | 20.8 | | | 20.8 | | | | | 21.9 | 31.4 | 37.4 | 10.2 | 6 | 4.41 | 73 | 73 |
| PF3 | (Pair) | 06/27/23 | MOFGA BLACK CHERRY FRESH | 67 | 33 | 13.1 | | | 13.1 | 17 | 2.2 | 21.00 | 2.8 | 29.3 | 38.3 | 38.1 | 7.9 | 6.4 | 10.02 | 62 | 62 |
| PE3 | (Pair) | 06/27/23 | MOFGA BLACK CHERRY ENSEILED | 67.8 | 32.2 | 13.2 | 8.7 | 4.4 | 9.7 | 20 | 2.6 | 21 | 2.8 | 31 | 39.1 | | 6.1 | not req | | 59 | 59 |
| C9 | 2022 | 9/30-10/01/22 | YKF BLACK CHERRY ENSEILED | 55 | 45 | 11.9 | 9.9 | 2.1 | 10.9 | 27 | 3.2 | 27 | 3.2 | 15.3 | 21.7 | | 13.4 | not req | | 68 | 64 |
| B10 | #7 | 06/30/23 | MOFGA BLACK CHERRY ENSEILED | 62.3 | 37.7 | 16.3 | 11.1 | 5.2 | 12.1 | 18 | 2.9 | 22 | 3.6 | 22.6 | 29.9 | | 8.7 | not req | | 62 | 62 |
| C8 | #9 | 07/01/23 | MOFGA BLACK CHERRY ENSEILED | 59.7 | 40.3 | 14.6 | 11.4 | 3.3 | 12.4 | 19 | 2.8 | 22 | 3.2 | 21.4 | 29.4 | | 9 | not req | | 64 | 68 |
| B1 | #11 | 7/5 -6/23 | MOFGA BLACK CHERRY ENSEILED | 58 | 42 | 12.5 | 9.1 | 3.4 | 10.1 | 18 | 2.3 | failed | | 24.1 | 31.8 | | 7.2 | not req | | 63 | 63 |
| B5 | #12 | 7/5-6/23 | MOFGA BLACK CHERRY ENSEILED | 58.5 | 41.5 | 14.5 | 11.8 | 2.8 | 12.8 | 20 | 2.9 | 21 | 3.0 | 20.5 | 28 | | 9.2 | not req | | 65 | 65 |
| A5 | #37 | 07/25/23 | MOFGA BLACK CHERRY ENSEILED | 62.4 | 37.6 | 14.2 | 11.5 | 2.6 | 12.5 | 19 | 2.7 | failed | | 21.9 | 29.9 | | 7.2 | not req | | 64 | 64 |
| A12 | #39 | 07/26/23 | MOFGA BLACK CHERRY ENSEILED | 59.1 | 40.9 | 13.2 | 10.3 | 2.9 | 11.3 | 17 | 2.2 | failed | | 22.2 | 31.6 | | 8.8 | not req | | 63 | 63 |
| YK9 | Unmarked, Gedo & Susn | 08/03/23 | YKF BLACK CHERRY ENSEILED | 48.9 | 51.1 | 7.8 | 4.8 | 2.9 | | | | 9 | 0.7 | 30.8 | 40.8 | 42.5 | 6.4 | 4.9 | 4 | 66 | 66 |
| C3 | #46 | 09/02/23 | YKF BLACK CHERRY ENSEILED | 58.1 | 41.9 | 14.6 | 11.8 | 2.8 | 12.8 | 19 | 2.8 | 19 | 2.8 | 16.3 | 22.9 | | 9.2 | not req | | 66 | 66 |
| C7 | Bucket | 10/11-12/23 | YKF WW BLACK CHERRY ENSEILED | 57.9 | 42.1 | 15.4 | 12.7 | 2.7 | 13.7 | 20 | 3.1 | 25 | 3.9 | 18 | 25.1 | | 11.3 | not req | | 66 | 66 |
| | | | Ensiled Black Cherry Aves | 58.88 | 41.12 | 13.47 | 10.28 | 3.19 | 11.83 | 19.70 | 2.75 | 20.75 | 2.89 | 22.19 | 30.02 | 42.50 | 8.77 | 4.90 | 4.00 | 64.18 | 64.18 |
| | | | *Above spring-harvested Black Cherry, fresh, for comparison | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| PE21 | Pair | 07/01/23 | MOFGA PIN CHERRY ENSEILED | 66.2 | 33.8 | 17 | 11.5 | 5.5 | 12.5 | 14 | 2.4 | 18 | 3.1 | 27.8 | 33.5 | 37.8 | 5.9 | 5.9 | 5.76 | 66 | 66 |
| | | | | | | | | | | | | | | | | | | | | | |
| PF13 | | 7/20-21/23 | MOFGA AM BEECH FRESH | 48.9 | 51.1 | 12.3 | | | 12.3 | 5 | 0.6 | 33.00 | 4.1 | 31 | 52.6 | 27.2 | 7.7 | 3.7 | 4.19 | 64 | 64 |
| PE13 | | 7/20-21/23 | MOFGA AM BEECH ENSEILED | 52.5 | 47.5 | 12.6 | 8.1 | 4.5 | 9.1 | 4 | 0.5 | 25.00 | 3.2 | 36 | 57 | 23.2 | 2.8 | 3.1 | 4.09 | 59 | 59 |
| Fer#2 | Bucket | 7/20-21/23 | MOFGA AM BEECH ENSEILED 1YR | 55.2 | 44.8 | 12.7 | 8.4 | 4.3 | 9.4 | | | | | 35.5 | 54.2 | 24.6 | 3 | 3.7 | 4.78 | 59 | 59 |
| | | | | | | | | | | | | | | | | | | | | | |
| PF4 | Qt bag | 07/11/23 | MOFGA GRAY BIRCH FRESH | 58.8 | 41.2 | 14.1 | | | 14.1 | | | | | 30.7 | 43 | 31.3 | 6.8 | 7.8 | 3.74 | 72 | 72 |
| B13b | #18 | 07/11/23 | MOFGA GRAY BIRCH ENSEILED | 62 | 38 | 14 | 10.2 | 3.8 | failed | failed | | 54 | 7.6 | 29.1 | 41.9 | | 9.6 | not req | | 59 | 59 |
| YK7 | 2022 | 09/30/22 | 2022 YKF (Gray/Red?) BIRCH ENSI | 46.1 | 53.9 | 9 | 4 | 5 | 5 | | | | | 36 | 47.5 | 32.4 | 4.6 | 7.7 | 3.35 | 67 | 67 |
| YK6 | #26 | 07/15/23 | MOFGA GRAY BIRCH ENSEILED | 57.7 | 42.3 | 11.5 | 5.9 | 5.6 | 6.9 | | | | | 35.7 | 49.2 | 29.5 | 4 | 6.8 | 3.02 | 65 | 65 |
| B12 | #27 | 07/17/23 | MOFGA GRAY BIRCH ENSEILED | 60.5 | 39.5 | 13.5 | 8.4 | 5.1 | failed | failed | | failed | | 29.8 | 41.2 | | 10 | not req | | 58 | 58 |
| A9 | #30 | 07/19/23 | MOFGA GRAY BIRCH ENSEILED | 60.4 | 39.6 | 13.2 | 8.7 | 4.5 | failed | failed | | failed | | 29.3 | 43.3 | | 10.4 | not req | | 58 | 58 |
| YK4 | #43B | 08/03/23 | YKF GRAY BIRCH at bottom* ENS | 47.1 | 52.9 | 9.9 | 4.6 | 5.3 | 5.6 | | | | | 30.4 | 42.8 | 36.6 | 10.3 | 7.7 | 3.04 | 68 | 68 |
| YK5 | #43 | 08/03/23 | YKF GRAY BIRCH ENSEILED | 44.8 | 55.2 | 9.8 | 4.8 | 4.9 | 5.8 | | | | | 32.8 | 44.9 | 36.6 | 8.8 | 5.7 | 2.93 | 66 | 66 |
| | | | *1/2 full 1+ months Ensiled Gray Birch Aves | 54.09 | 45.91 | 11.56 | 6.66 | 4.89 | 5.83 | | | | | 31.87 | 44.40 | 33.78 | 8.24 | 6.98 | 3.09 | 63.00 | 63.00 |
| PF19 | Qt bag | 09/29/22 | 2022 YKF RED MAPLE FRESH | 54.6 | 45.4 | 10.9 | | | | failed | | failed | | 16.8 | 25.1 | 50.2 | 18 | 9.1 | 4.79 | 79 | 79 |
| PE19 | Bucket | 09/29/22 | 2022 YKF RED MAPLE ENSEILED | 56.8 | 43.2 | 11 | 8.6 | 2.4 | | failed | | failed | | 18.6 | 27.6 | 46.8 | 13 | 9.8 | 4.82 | 77 | 77 |
| YK1 | #8B | 06/30/23 | MOFGA RED MAPLE ENSEILED | 54.1 | 45.9 | 7.9 | 4.2 | 3.7 | 5.2 | 12 | 0.9 | 43 | 3.4 | 39.8 | 55.5 | 28.4 | 7 | 3.3 | 4.81 | 59 | 59 |
| YK2 | #36 | 07/25/23 | MOFGA RED MAPLE ENSEILED | 52.6 | 47.4 | 10.1 | 8.1 | 2 | | 12 | 1.2 | failed | | 23.3 | 32.9 | 43.7 | 12.3 | 9 | 4.34 | 75 | 75 |
| B11 | #44 | 09/01/23 | YKF RED MAPLE ENSEILED | 52.7 | 47.3 | 11.2 | 9.6 | 1.6 | failed | failed | | failed | | 16.8 | 24.9 | | 14.8 | not req | | 67 | 67 |
| C13 | #50 | 09/15/23 | YKF RED MAPLE ENSEILED | 59.5 | 40.5 | 9.7 | 7.8 | 1.8 | 8.8 | 17 | 1.6 | 22 | 2.1 | 19 | 25.6 | | 25.3 | not req | | 66 | 66 |
| | | | Ensiled Red Maple Aves | 55.14 | 44.86 | 9.98 | 7.66 | 2.30 | 7.00 | 13.67 | 1.27 | 32.50 | 2.77 | 23.50 | 33.30 | 39.63 | 14.48 | 7.37 | 4.66 | 68.80 | 68.80 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | % Moistur | % DM | Crude P %DM | Avail Protein | ADIC P | Adj Cr. Protein | Sol P %CP | Sol P %DM | Degr P %CP | Degr P %DM | ADF %DM | NDF %DM | NFC %DM | WSC %DM | Cr Fat %DM | Ash %DM | TDN | TDN1 X |
|---------|--------|--------------|----------------------------------|-----------|-------|-------------|---------------|---------|-----------------|-----------|-----------|------------|------------|---------|---------|---------|---------|------------|---------|-------|--------|
| R1 | Fresh | 03/02/24 | 35F RED MAPLE RIS (twigs with bu | 48.6 | 51.4 | 6.8 | not requ | not req | 6.8 | 32 | 2.2 | 36 | 2.4 | 41.8 | 53.8 | | 16.4 | 2.3 | | not | not |
| PF11 | Qt bag | 07/01/23 | MOFGA ROCK MAPLE FRESH | 48 | 52 | 11 | | | | failed | | failed | | 18.7 | 32.5 | 49.5 | 20.1 | 3.2 | 3.75 | 69 | 69 |
| PE11 | | 07/01/23 | MOFGA ROCK MAPLE ENSEILED | 53.7 | 46.3 | 10.6 | 6.5 | 4.1 | 7.5 | 9 | 1.0 | 29 | 3.1 | 23 | 35.2 | 46.60 | 11.40 | 3.90 | 3.71 | 66.00 | 66.00 |
| YK3 | #55 | 09/24/23 | MOFGA ROCK MAPLE ENSEILED | 52.1 | 47.9 | 8.3 | 4.6 | 3.7 | 5.6 | 9 | 1.0 | 31 | 2.6 | 22.8 | 32.9 | 46.8 | 17.2 | 5 | 6.92 | 66 | 66 |
| | | | | 52.9 | 47.1 | 9.45 | 5.55 | 3.9 | 6.55 | 9 | 0.95 | 30 | 2.82 | 22.9 | 34.05 | 46.7 | 14.3 | 4.45 | 5.315 | 66 | 66.00 |
| PF12 | Qt bag | 10/01/23 | YKF NORWAY MAPLE HAND-STR. | 55.3 | 44.7 | 12 | | | | failed | | failed | | 23.6 | 41 | 33.3 | 9.3 | 6.4 | 7.19 | 68 | 68 |
| PE12 | | 10/01/23 | YKF NORWAY MAPLE Hand-str EN | 60.8 | 39.2 | 12.8 | 9.2 | 3.6 | | failed | | failed | | 24 | 42.8 | 29.6 | 4.8 | 7.4 | 7.5 | 65 | 65 |
| N#1 | Qt bag | 06/24/24 | BBF STRIPED MAPLE FRESH | 75.2 | 24.8 | 15.9 | | | 15.9 | | | | | 23.6 | 35.8 | 38 | 9.4 | 5.5 | 4.73 | 71 | 71 |
| PF5 | | 06/26/23 | MOFGA BOX ELDER FRESH | 76.9 | 23.1 | 13.8 | | | 13.8 | 19 | 2.6 | 41.00 | 5.7 | 23 | 32.5 | 43.3 | 6.8 | 4.5 | 5.9 | 69 | 69 |
| PE5 | | 06/26/23 | MOFGA BOX ELDER ENSEILED | 77.8 | 22.2 | 16.1 | 14 | 2.1 | 15 | 21 | 3.4 | 41 | 6.6 | 23.3 | 32.3 | 39.5 | 4.8 | 5.8 | 6.23 | 70 | 70 |
| PF6 | | 10/04/23 | FVF BLACK LOCUST FRESH | 59.3 | 40.7 | 17.1 | | | 17.1 | 14 | 2.4 | 26.00 | 4.4 | 25.5 | 36.9 | 37.4 | 10 | 3.2 | 5.26 | 67 | 67 |
| PE6 | | 10/04/23 | FVF BLACK LOCUST ENSEILED | 58.5 | 41.5 | 17.3 | 9.8 | 7.5 | 10.8 | 12 | 2.1 | 21 | 3.6 | 26.6 | 37.3 | 35.7 | 5.3 | 3.9 | 5.76 | 61 | 61 |
| PF7 | | 09/29/23 | FVF BASSWOOD FRESH | 65 | 35 | 19.4 | | | | failed | | failed | | 24 | 42.6 | 21.6 | 9.5 | 6.4 | 10.02 | 65 | 65 |
| PE7 | | 09/29/23 | FVF BASSWOOD ENSEILED | 67.6 | 32.4 | 19.8 | 16.2 | 3.7 | | 15 | 3.0 | failed | | 24.8 | 45.3 | 16.9 | 3.6 | 6.9 | 11.02 | 61 | 61 |
| PF10 | | 10/01/23 | FVF AMERICAN ELM FRESH | 62.5 | 37.5 | 11.1 | | | | failed | | failed | | 23.1 | 53.4 | 18.4 | 8.3 | 5.1 | 11.99 | 58 | 58 |
| PE10 | | 10/01/23 | FVF AMERICAN ELM ENSEILED | 63.1 | 36.9 | 12.1 | 7.9 | 4.2 | | failed | | failed | | 23.7 | 54 | 16.2 | 4.3 | 5.3 | 12.48 | 54 | 54 |
| PF9 | | 6/25-26/23 | MOFGA HONEYSUCKLE FRESH | 68.7 | 31.3 | 11.1 | | | 11.1 | 13 | 1.4 | 48.00 | 5.3 | 29.9 | 45 | 31.8 | 13.6 | 5.2 | 6.89 | 65 | 65 |
| C15 | Bucket | 06/25/24 | MOFGA HONEYSUCKLE ENSEILED | 74.6 | 25.4 | 14.9 | 8.7 | 6.2 | 9.7 | 13 | 1.9 | 25 | 3.7 | 30.9 | 43.8 | | 4.3 | not req | | 57 | 57 |
| A11 | #1 | 06/23/23 | MOFGA HONEYSUCKLE ENSEILED | 66 | 34 | 13 | 6.8 | 6.2 | 7.8 | 12 | 1.6 | failed | | 25.1 | 38.3 | | 12.5 | not req | | 58 | 58 |
| YK8 | #8B | 06/30/23 | MOFGA HONEYSUCKLE ENSEILED | 48.7 | 51.3 | 9.5 | 6.4 | 3 | | failed | | 14 | 1.3 | 22.7 | 31.7 | 47.2 | 14.1 | 6.6 | 5 | 71 | 71 |
| B3 | #5 | 06/29/23 | MOFGA HONEYSUCKLE ENSEILED | 67.5 | 32.5 | 14.4 | 7.3 | 7.1 | 8.3 | 11 | 1.6 | failed | | 28.2 | 41.2 | | 8.8 | not req | | 56 | 56 |
| A2 | #10 | 07/06/23 | MOFGA HONEYSUCKLE ENSEILED | 52.4 | 47.6 | 12.5 | 6.4 | 6.2 | 7.4 | 9 | 1.1 | failed | | 29.1 | 42.2 | | 12.3 | not req | | 57 | 57 |
| N#6 | #43 | 08/03/23 | YFK HONEYSUCKLE ENSEILED, Ge | 44.7 | 55.3 | 9.4 | 3.7 | 5.7 | 4.7 | | | | | 30.9 | 41.6 | 37.6 | 11.2 | 6.2 | 5.24 | 63 | 63 |
| | | | Ensiled Honeysuckle Aves | 61.84 | 38.16 | 12.86 | 7.12 | 5.74 | 8.3 | 11.25 | 1.55 | 19.50 | 2.53 | 27.2 | 39.44 | 47.2 | 10.4 | 6.6 | 5 | 59.8 | 59.80 |
| PF14 | | 09/07/23 | YKF SMOOTH BUCKTHORN FRES | 67.4 | 32.6 | 14.3 | | | | failed | | failed | | 20.3 | 32.5 | 39.8 | 15.3 | 6.3 | 7.06 | 70 | 70 |
| PE14 | | 09/07/23 | YKF SMOOTH BUCKTHORN ENSIL | 68.2 | 31.8 | 15.4 | 12.4 | 3 | | failed | | failed | | 25.9 | 38.9 | 31.4 | 6.5 | 7 | 7.36 | 67 | 67 |
| PF15 | | 09/15/23 | YKF WINTERBERRY FRESH | 56.5 | 43.5 | 11.7 | | | 11.7 | 6 | 0.7 | 33.00 | 3.9 | 27.6 | 43.4 | 34.5 | 9.6 | 5.9 | 4.58 | 69 | 69 |
| PE15 | | 09/15/23 | YKF WINTERBERRY ENSEILED | 58.2 | 41.8 | 12.6 | 7.1 | 5.5 | 8.1 | 12 | 1.5 | 24 | 3.0 | 31.4 | 49.2 | 27 | 4 | 6.1 | 5.08 | 62 | 62 |
| PF17 | | 09/14/23 | YKF LEATHER WOOD FRESH | 54.8 | 45.2 | 9.5 | | | 9.5 | 4 | 0.4 | 26.00 | 2.5 | 27 | 36.5 | 40.9 | 16.5 | 7.4 | 5.68 | 72 | 72 |
| PE17 | | 09/14/23 | YKF LEATHERWOOD ENSEILED | 54.1 | 45.9 | 8.7 | 3.4 | 5.3 | 4.4 | 5 | 0.4 | 9 | 0.8 | 32.4 | 43.2 | 34.3 | 13.9 | 8 | 5.79 | 66 | 66 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | % Moistur | % DM | Crude P %DM | Avail Protein | ADIC P | Adj Cr. Protein | Sol P %CP | Sol P %DM | Degr P %CP | Degr P %DM | ADF %DM | NDF %DM | NFC %DM | WSC %DM | Cr Fat %DM | Ash %DM | TDN | TDN1 X |
|---------|---------|--------------|-------------------------------------|--------------------------|--------|-------------|---------------|--------|-----------------|-----------|-----------|------------|------------|---------|---------|------------|---------|------------|---------|-------|--------|
| PE22 | | 7/5-6/23 | MOFGA AUTUMN OLIVE ENSILED | 60.7 | 39.3 | 21 | 16.6 | 4.3 | 17.6 | 23 | 4.8 | 50 | 10.5 | 33.7 | 52.3 | 17.9 | 5.6 | 3.1 | 5.68 | 59 | 59 |
| PF8 | | 06/25/23 | MOFGA ARROW WOOD FRESH | 60.9 | 39.1 | 12 | | | 12 | 12 | 1.4 | 23.00 | 2.8 | 31.4 | 43 | 32.5 | 9.4 | 6.4 | 6.08 | 68 | 68 |
| PE8 | | 06/25/23 | MOFGA ARROW WOOD ENSILED | 63.8 | 36.2 | 12.8 | 5.4 | 7.4 | 6.4 | 15 | 1.9 | 20 | 2.6 | 36.2 | 49.7 | 25.3 | 5.1 | 6.4 | 5.84 | 60 | 60 |
| N#2 | Qt bag | 06/25/24 | YKF STAGHORN SUMAC FRESH | 66.7 | 33.3 | 14.9 | | | 14.9 | | | | | 16.9 | 22.9 | 52.2 | 27 | 5.1 | 4.92 | 74 | 74 |
| N#3 | Qt bag | 6/28-29/24 | FVF BITTERSWEET FRESH | 76 | 24 | 17 | | | 17 | | | | | 25.4 | 36.5 | 31.5 | 8.6 | 6.3 | 8.72 | 67 | 67 |
| N#4 | Qt bag | 06/30/24 | FVF MULTI-FLORA ROSE FRESH | 76.7 | 23.3 | 14.1 | | | 14.1 | | | | | 21.7 | 32.7 | 41.1 | 17.8 | 4.4 | 7.74 | 67 | 67 |
| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | Calcium | Phosph | Magnes | Potassi | Sodi | Iron | Zinc | Coppe | Mang | PPM Moly | Sulfur | pH | % Am (CPE) | ME 1xlb | ME 1xkg | NEL | NEM | NEG |
| HA2 | (Hay) | 08/24/23 | D. Flood 2ND CUT HAY (fed AH) | 0.55 | 0.5 | 0.2 | 3.3 | 0.018 | 604 | 45 | 11 | 73 | 2.8 | 0.31 | | | 1.01 | 2.22 | 0.53 | 0.52 | 0.26 |
| HA1 | (Hay) | 08/25/23 | J. Morse 1ST CUT HAY (fed AL) | 0.59 | 0.22 | 0.16 | 1.02 | 0.113 | 122 | 40 | 5 | 343 | 1.1 | 0.17 | | | 0.91 | 2.01 | 0.47 | 0.48 | 0.23 |
| | | | Dairy One Ave 2004-'24 Grass Hay | | | | | | | | | | | | | | | | 2.63 | | |
| | | | Dairy One Ave 2004-'24 Grass Silage | | | | | | | | | | | | | | | | 3.97 | | |
| PF2 | Qt bag | 10/4 & -6/22 | LAUFERS RED OAK FRESH | 0.95 | 0.17 | 0.13 | 0.66 | 0.008 | 90 | 32 | 4 | 569 | 0 | 0.13 | 5.5 | | 1.01 | 2.23 | 0.6 | 0.56 | 0.3 |
| PE2 | (Pair) | 10/4 & -6/22 | LAUFERS RED OAK ENSILED | 0.89 | 0.17 | 0.13 | 0.6 | 0.006 | 103 | 36 | 5 | 562 | 0.2 | 0.13 | 5.3 | 0.12 | 0.93 | 2.04 | 0.55 | 0.51 | 0.25 |
| B4 | #4 2022 | 10/4 & -6/22 | LAUFERS' OAK ENSILED | (minerals not requested) | | | | | | | | | | | | | 1.1 | 2.42 | 0.67 | 0.66 | 0.39 |
| B2 | #3 FVF | 09/28/23 | FVF RED OAK ENSILED | 0.79 | 0.23 | 0.2 | 0.98 | 0.01 | 62 | 39 | 6 | 723 | 0 | 0.15 | 5.3 | 0.11 | 1.05 | 2.31 | 0.63 | 0.59 | 0.33 |
| C14 | #11 FVF | 10/08/23 | FVF RED OAK (above Gr Ash) | 0.82 | 0.21 | 0.18 | 1.04 | 0.01 | 92 | 38 | 5 | 897 | 0 | 0.14 | 5.5 | 0.03 | 1.06 | 2.33 | 0.64 | 0.6 | 0.34 |
| A1 | #12 | 10/09/23 | FVF RED OAK ENSILED | 0.84 | 0.22 | 0.19 | 0.92 | 0.018 | 60 | 39 | 6 | 939 | 0 | 0.14 | 5.8 | 0.05 | 1.01 | 2.22 | 0.58 | 0.55 | 0.3 |
| | | | Ensiled Red Oak Aves | 0.84 | 0.21 | 0.18 | 0.89 | 0.01 | 79.25 | 38.00 | 5.50 | 780.25 | 0.05 | 0.14 | 5.48 | 0.08 | 1.03 | 2.26 | 0.61 | 0.58 | 0.32 |
| A7 | #14 | 07/08/23 | MOFGA QUAKING ASKEN ENSILE | 0.95 | 0.23 | 0.24 | 0.77 | 0.01 | 43 | 172 | 8 | 96 | 0 | 0.14 | 5.4 | 0.06 | 1.02 | 2.26 | 0.65 | 0.6 | 0.34 |
| B6 | #16 | 07/11/23 | MOFGA QUAKING ASPEN ENSILE | 1.13 | 0.27 | 0.25 | 1.21 | 0.013 | 63 | 28 | 7 | 127 | 0 | 0.12 | 4.5 | 0.6 | 1.1 | 2.44 | 0.69 | 0.65 | 0.38 |
| A4 | #19 | 07/12/23 | MOFGA QUAKING ASPEN ENSILE | 1.07 | 0.27 | 0.22 | 1.05 | 0.009 | 52 | 150 | 8 | 144 | 0 | 0.17 | 5.4 | 0.06 | 1.02 | 2.25 | 0.64 | 0.59 | 0.33 |
| C11 | #20 | 07/12/23 | MOFGA QUAKING ASPEN ENSILE | 1.19 | 0.23 | 0.24 | 0.85 | 0.007 | 83 | 137 | 7 | 114 | 0 | 0.16 | 5.2 | 0 | 1.04 | 2.29 | 0.67 | 0.62 | 0.36 |
| A6 | #21 | 07/13/23 | MDFGA QUAKING ASPEN ENSILEI | 1.04 | 0.25 | 0.25 | 0.88 | 0.009 | 44 | 150 | 7 | 112 | 0 | 0.16 | 5.6 | 0.06 | 1.06 | 2.34 | 0.68 | 0.64 | 0.37 |
| B8 | #25 | 07/15/23 | MOFGA QUAKING ASPEN ENSILE | 1.09 | 0.23 | 0.24 | 0.99 | 0.01 | 56 | 127 | 7 | 97 | 0 | 0.17 | 5.4 | 0.06 | 1.03 | 2.26 | 0.65 | 0.6 | 0.34 |
| A3 | #35 | 07/20/23 | MOFGA QUAKING ASPEN ENSILE | 1.23 | 0.2 | 0.2 | 0.84 | 0.008 | 47 | 123 | 7 | 95 | 0 | 0.15 | 5.4 | 0.06 | 1.02 | 2.26 | 0.66 | 0.61 | 0.35 |
| | | | Ensiled Quaking Aspen Aves | 1.10 | 0.24 | 0.23 | 0.94 | 0.01 | 55.43 | 126.71 | 7.29 | 112.14 | 0.00 | 0.15 | 5.27 | 0.13 | 1.04 | 2.30 | 0.66 | 0.62 | 0.35 |
| PF16B | Qt bag | 10/11/23 | YKF BIG TOOTHED ASPEN FRESH | (minerals not requested) | | | | | | | | | | | 5.5 | | 1.25 | 2.76 | 0.79 | 0.8 | 0.52 |
| C1 | #54 | 10/11/23 | YKF BIG-TOOTHED ASPEN ENSIL | 1.41 | 0.17 | 0.23 | 0.62 | 0.014 | 58 | 286 | 10 | 427 | 0 | 0.16 | 5.2 | 0.09 | 0.94 | 2.07 | 0.61 | 0.55 | 0.29 |
| C6 | #56 | 10/10-11/23 | BIG TOOTHED ASPEN ENSILED | 1.22 | 0.18 | 0.19 | 0.62 | 0.012 | 58 | 261 | 9 | 451 | 0 | 0.16 | 5 | 0.12 | 0.97 | 2.15 | 0.63 | 0.58 | 0.32 |
| Fer#1 | Bucket | 09/28/23 | YKF BT ASPEN Hand-str ENS 1+yr | (minerals not requested) | | | | | | | | | | | 4.4 | | 1.11 | 2.45 | 0.72 | 0.71 | 0.44 |
| | | | Ensiled Big-Toothed Aspen Aves | 1.315 | 0.175 | 0.21 | 0.62 | 0.013 | 58 | 273.5 | 9.5 | 439 | 0 | 0.16 | 5.1 | 0.105 | 0.955 | 2.11 | 0.62 | 0.565 | 0.305 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | Calcium | Phosph | Magnes | Potassi | Sodiu | Iron | Zinc | Coppe | Mang | PPM Moly | Sulfur | pH | % Am (CPE) | ME 1xlb | ME 1xkg | NEL | NEM | NEG |
|---------|-----------------------|---------------|---|--------------------------|--------|--------|---------|-------|-------|-------|-------|--------|----------|--------|------|------------|---------|---------|-------|------|--------|
| PF1 | Qt bag | 09/18/23 | YKF WHITE ASH FRESH | 1.36 | 0.3 | 0.23 | 1.01 | 0.016 | 88 | 24 | 14 | 53 | 0.4 | 0.17 | 5.4 | | 1.07 | 2.35 | 0.66 | 0.62 | 0.36 |
| PE1 | (Pair) | 09/18/23 | WHITE ASH YKF ENSILED | 1.55 | 0.3 | 0.23 | 0.95 | 0.012 | 71 | 25 | 10 | 49 | 0 | 0.16 | 4.9 | 0.51 | 0.97 | 2.14 | 0.64 | 0.58 | 0.32 |
| PF20 | Qt bag | 10/06/23 | FVF WHITE ASH FRESH | (minerals not requested) | | | | | | | | | | | 5.7 | | 1.18 | 2.6 | 0.75 | 0.74 | 0.47 |
| A13 | #10 FVF | 10/06/23 | FVF WHITE ASH ENSILED | 1.61 | 0.16 | 0.4 | 1.11 | 0.01 | 110 | 14 | 8 | 76 | 0 | 0.2 | 5.6 | 0.42 | 1 | 2.21 | 0.64 | 0.59 | 0.33 |
| B15 | #53 | 9/18-20/23 | YKF WHITE ASH ENSILED | 1.2 | 0.39 | 0.18 | 1.08 | 0.008 | 62 | 18 | 11 | 52 | 0 | 0.16 | 5 | 0.31 | 0.95 | 2.09 | 0.6 | 0.55 | 0.29 |
| C18 | #54 | 09/20/23 | YKF WHITE ASH ENS (below BT As | 1.02 | 0.31 | 0.15 | 1.03 | 0.006 | 69 | 12 | 13 | 64 | 0 | 0.16 | 5.2 | 0.1 | 0.97 | 2.13 | 0.62 | 0.57 | 0.31 |
| B13 | #1 FVF | 09/26/23 | FVF WHITE ASH ENSILED | 1.13 | 0.18 | 0.27 | 1.15 | 0.004 | 94 | 11 | 9 | 61 | 0 | 0.17 | 5.6 | 0.19 | 0.95 | 2.09 | 0.60 | 0.55 | 0.29 |
| C2 | #2 FVF | 09/27/23 | FVF WHITE ASH ENSILED | 0.99 | 0.17 | 0.25 | 1.4 | 0.007 | 81 | 13 | 8 | 60 | 0 | 0.16 | 5.9 | 0.28 | 0.99 | 2.19 | 0.63 | 0.58 | 0.32 |
| | | | EnsiLED White Ash Aves | 1.25 | 0.25 | 0.25 | 1.12 | 0.01 | 81.17 | 15.50 | 9.83 | 60.33 | 0.00 | 0.10 | 5.37 | 0.30 | 0.97 | 2.14 | 0.622 | 0.57 | 0.31 |
| PF18 | Qt bag | 06/30/23 | MOFGA GREEN ASH FRESH | (minerals not requested) | | | | | | | | | | | 5 | | 1.15 | 2.54 | 0.68 | 0.67 | 0.4 |
| PE18 | Bucket | 06/30/23 | MOFGA GREEN ASH ENSILED | 1.37 | 0.28 | 0.28 | 1.48 | 0.004 | 99 | 38 | 26 | 85 | 0.7 | 0.21 | 4.9 | 0.09 | 0.9 | 1.98 | 0.56 | 0.51 | 0.26 |
| N#7 | #40 | 07/26/23 | MOFGA GREEN ASH ENS (wirth Honeysuckle etc) | (minerals not requested) | | | | | | | | | | | 5.6 | | 1.05 | 2.31 | 0.66 | 0.62 | 0.36 |
| C12 | #7 FVF | 10/02/23 | FVF GREEN ASH ENSILED | 1.02 | 0.19 | 0.28 | 1.07 | 0.006 | 103 | 12 | 8 | 51 | 0 | 0.22 | 5.6 | 0.41 | 1.02 | 2.25 | 0.65 | 0.6 | 0.34 |
| C5 | #9 | 10/05/23 | FVF GREEN ASH ENSILED | 1.11 | 0.21 | 0.31 | 1.2 | 0.005 | 92 | 11 | 9 | 48 | 0 | 0.24 | 5.7 | 0.38 | 1.02 | 2.25 | 0.64 | 0.59 | 0.33 |
| C4 | #11 FVF | 10/08/23 | FVF GREEN ASH ENSILED | 1.12 | 0.15 | 0.27 | 1.17 | 0.009 | 96 | 13 | 10 | 85 | 0 | 0.15 | 5.1 | 0.34 | 1 | 2.2 | 0.63 | 0.58 | 0.32 |
| | | | EnsiLED Green Ash Aves | 1.16 | 0.21 | 0.29 | 1.23 | 0.01 | 97.50 | 18.50 | 13.25 | 67.25 | 0.18 | 0.21 | 5.33 | 0.31 | 0.99 | 2.17 | 0.62 | 0.57 | 0.3125 |
| N#5 | Qt bag | 6/15/24 | YKF BLACK CHERRY FRESH (did cyanide test) | (minerals not requested) | | | | | | | | | | | 4.8 | 1.39 | 1.33 | 2.92 | 0.8 | 0.8 | 0.52 |
| PF3 | (Pair) | 06/27/23 | MOFGA BLACK CHERRY FRESH | 1.27 | 0.23 | 0.19 | 1.15 | 0.01 | 115 | 41 | 5 | 43 | 0.1 | 0.12 | 4.9 | | 1.07 | 2.36 | 0.65 | 0.61 | 0.35 |
| PE3 | (Pair) | 06/27/23 | MOFGA BLACK CHERRY ENSILED | 1.2 | 0.22 | 0.18 | 1.11 | 0.01 | 172 | 40 | 5 | 45 | 0.2 | 0.13 | 5 | 0.33 | 0.99 | 2.19 | 0.63 | 0.57 | 0.32 |
| C9 | 2022 | 9/30-10/01/22 | YKF BLACK CHERRY ENSILED | 2.56 | 0.4 | 0.34 | 0.72 | 0.007 | 91 | 18 | 4 | 61 | 0 | 0.1 | 4.6 | 0.23 | 1.16 | 2.55 | 0.69 | 0.65 | 0.38 |
| B10 | #7 | 06/30/23 | MOFGA BLACK CHERRY ENSILED | 0.82 | 0.26 | 0.2 | 1.24 | 0.014 | 103 | 25 | 5 | 122 | 0 | 0.13 | 4.5 | 0.42 | 1.05 | 2.32 | 0.67 | 0.62 | 0.36 |
| C8 | #9 | 07/01/23 | MOFGA BLACK CHERRY ENSILED | 1.34 | 0.24 | 0.26 | 0.94 | 0.007 | 74 | 23 | 5 | 259 | 0 | 0.12 | 4.3 | 0.36 | 1.09 | 2.4 | 0.75 | 0.71 | 0.44 |
| B1 | #11 | 7/5 -6/23 | NDFGA BLACK CHERRY ENSILED | 1.11 | 0.24 | 0.23 | 1.25 | 0.009 | 55 | 18 | 6 | 145 | 0 | 0.1 | 4.5 | 0.26 | 1.05 | 2.32 | 0.68 | 0.63 | 0.37 |
| B5 | #12 | 7/5-6/23 | MOFGA BLACK CHERRY ENSILED | 1.17 | 0.27 | 0.26 | 1.13 | 0.02 | 63 | 18 | 6 | 149 | 0 | 0.11 | 4.5 | 0.35 | 1.11 | 2.45 | 0.7 | 0.66 | 0.4 |
| A5 | #37 | 07/25/23 | MDFGA BLACK CHERRY ENSILED | 1.58 | 0.24 | 0.29 | 1.32 | 0.01 | 63 | 20 | 5 | 231 | 0 | 0.11 | 4.6 | 0.4 | 1.1 | 2.42 | 0.7 | 0.65 | 0.39 |
| A12 | #39 | 07/26/23 | MOFGA BLACK CHERRY ENSILED | 1.43 | 0.24 | 0.23 | 1.17 | 0.011 | 51 | 18 | 5 | 184 | 0 | 0.1 | 4.7 | 0.27 | 1.07 | 2.37 | 0.68 | 0.64 | 0.37 |
| YK9 | Unmarked, Gedo & Susn | 08/03/23 | YKF BLACK CHERRY ENSILED | 1.11 | 0.17 | 0.15 | 0.48 | 0.083 | 77 | 127 | 4 | 19 | 0.4 | 0.07 | 4.6 | 0.1 | 1.1 | 2.44 | 0.7 | 0.69 | 0.42 |
| C3 | #46 | 09/02/23 | YKF BLACK CHERRY ENSILED | 2.62 | 0.7 | 0.44 | 0.8 | 0.011 | 52 | 22 | 5 | 98 | 0 | 0.12 | 5.1 | 0.27 | 1.15 | 2.53 | 0.74 | 0.7 | 0.43 |
| C7 | Bucket | 10/11-12/23 | YKF WW WAY BLACK CHERRY EN | 1.46 | 0.21 | 0.22 | 1.21 | 0.008 | 106 | 20 | 6 | 310 | 0 | 0.12 | 4.8 | 0.32 | 1.14 | 2.51 | 0.72 | 0.68 | 0.42 |
| | | | EnsiLED Black Cherry Aves | 1.49 | 0.29 | 0.25 | 1.03 | 0.02 | 82.45 | 31.73 | 5.09 | 147.55 | 0.05 | 0.11 | 4.65 | 0.30 | 1.09 | 2.41 | 0.70 | 0.65 | 0.39 |
| PE21 | Pair | 07/01/23 | MOFGA PIN CHERRY ENSILED | 0.96 | 0.33 | 0.28 | 1.4 | 0.008 | 86 | 29 | 6 | 54 | 0.5 | 0.15 | 4 | 0.48 | 1.15 | 2.53 | 0.73 | 0.71 | 0.43 |
| PF13 | | 7/20-21/23 | MOFGA AM BEECH FRESH | (minerals not requested) | | | | | | | | | | | 5.4 | | 1.1 | 2.42 | 0.63 | 0.63 | 0.36 |
| PE13 | | 7/20-21/23 | MOFGA AM BEECH ENSILED | 0.65 | 0.14 | 0.17 | 0.85 | 0.011 | 256 | 37 | 6 | 201 | 0.3 | 0.13 | 5.7 | 0 | 0.97 | 2.14 | 0.55 | 0.54 | 0.28 |
| Fer#2 | Bucket | 7/20-21/23 | MOFGA AM BEECH ENSILED 1YR PLUS | (minerals not requested) | | | | | | | | | | | 5.4 | | 0.98 | 2.15 | 0.57 | 0.55 | 0.29 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | Calcium | Phosph | Magnes | Potassi | Sodiu | Iron | Zinc | Coppe | Mang | PPM Moly | Sulfur | pH | % Am (CPE) | ME 1xlb | ME 1xkg | NEL | NEM | NEG | |
|---------|--------|--------------|-----------------------------------|--------------------------|--------|--------|---------|-------|--------|--------|-------|--------|----------|--------|------|------------|---------|---------|-------|-------|------|------|
| PF4 | Qt bag | 07/11/23 | MOFGA GRAY BIRCH FRESH | (minerals not requested) | | | | | | | | | | | | 5.3 | | 1.28 | 2.81 | 0.77 | 0.79 | 0.51 |
| B13b | #18 | 07/11/23 | MOFGA GRAY BIRCH ENSEILED | 0.56 | 0.25 | 0.14 | 0.9 | 0.012 | 71 | 132 | 8 | 373 | 0 | 0.14 | 5.2 | 0.09 | 1 | 2.21 | 0.62 | 0.57 | 0.31 | |
| YK7 | 2022 | 09/30/22 | 2022 YKF GRAY? BIRCH ENSEILED | 0.67 | 0.22 | 0.13 | 0.69 | 0.012 | 377 | 149 | 7 | 160 | 0.5 | ? | 5.3 | 0 | 1.11 | 2.45 | 0.7 | 0.71 | 0.43 | |
| YK6 | #26 | 07/15/23 | MOFGA GRAY BIRCH ENSEILED | 0.47 | 0.19 | 0.14 | 0.7 | 0.009 | 56 | 108 | 7 | 178 | 0.2 | ? | 5.1 | 0 | 1.09 | 2.41 | 0.67 | 0.67 | 0.41 | |
| B12 | #27 | 07/17/23 | MOFGA GRAY BIRCH ENSEILED | 0.51 | 0.22 | 0.16 | 0.8 | 0.008 | 77 | 87 | 7 | 286 | 0 | 0.13 | 5 | 0.06 | 0.97 | 2.13 | 0.61 | 0.55 | 0.3 | |
| A9 | #30 | 07/19/23 | MOFGA GRAY BIRCH ENSEILED | 0.6 | 0.21 | 0.17 | 0.82 | 0.01 | 42 | 124 | 7 | 272 | 0 | 0.13 | 4.9 | 0.06 | 0.97 | 2.13 | 0.6 | 0.55 | 0.29 | |
| YK4 | #43B | 08/03/23 | YKF GRAY BIRCH AT BOTTOM ENSEILED | (minerals not requested) | | | | | | | | | | | | 4.8 | 0 | 1.14 | 2.52 | 0.73 | 0.73 | 0.46 |
| YK5 | #43 | 08/03/23 | YKF GRAY BIRCH ENSEILED | 0.71 | 0.19 | 0.11 | 0.53 | 0.009 | 70 | 153 | 7 | 96 | 0.1 | ? | 4.9 | 0 | 1.09 | 2.4 | 0.68 | 0.68 | 0.41 | |
| | | | Ensiled Gray Birch Aves | 0.59 | 0.21 | 0.14 | 0.74 | 0.01 | 115.50 | 125.50 | 7.17 | 227.50 | 0.13 | 0.13 | 5.03 | 0.03 | 1.05 | 2.32 | 0.66 | 0.64 | 0.37 | |
| PF19 | Qt bag | 09/29/22 | 2022 YKF RED MAPLE POLLARD FRESH | (minerals not requested) | | | | | | | | | | | | 5 | | 1.38 | 3.04 | 0.9 | 0.91 | 0.61 |
| PE19 | Bucket | 09/29/22 | 2022 YKF RED MAPLE ENSEILED | 0.83 | 0.25 | 0.15 | 0.63 | 0.01 | 2190 | 40 | 20 | 95 | 1.2 | 0.13 | 5.7 | 0.03 | 1.34 | 2.95 | 0.88 | 0.89 | 0.6 | |
| YK1 | #8B | 06/30/23 | MOFGA RED MAPLE ENSEILED | 0.85 | 0.18 | 0.25 | 1.25 | 0.017 | 130 | 32 | 6 | 150 | 0.2 | 0.11 | 5.8 | 0 | 0.95 | 2.09 | 0.56 | 0.54 | 0.29 | |
| YK2 | #36 | 07/25/23 | MOFGA RED MAPLE ENSEILED | 0.83 | 0.18 | 0.17 | 0.81 | 0.096 | 66 | 150 | 8 | 194 | 0.3 | 0.1 | 4.2 | 0.05 | 1.3 | 2.86 | 0.84 | 0.85 | 0.56 | |
| B11 | #44 | 09/01/23 | YKF RED MAPLE ENSEILED | 0.83 | 0.37 | 0.14 | 0.77 | 0.009 | 73 | 33 | 12 | 88 | 0 | 0.12 | 4.5 | 0.05 | 1.14 | 2.51 | 0.74 | 0.7 | 0.43 | |
| C13 | #50 | 09/15/23 | YKF RED MAPLE ENSEILED | 0.99 | 0.22 | 0.16 | 0.77 | 0.006 | 59 | 31 | 6 | 87 | | | 4.4 | 0.06 | 1.12 | 2.47 | 0.73 | 0.69 | 0.42 | |
| | | | Ensiled Red Maple Aves | 0.87 | 0.24 | 0.17 | 0.85 | 0.03 | 503.60 | 57.20 | 10.40 | 122.80 | 0.43 | 0.12 | 4.92 | 0.04 | 1.17 | 2.58 | 0.75 | 0.73 | 0.46 | |
| R1 | Fresh | 03/02/24 | 35F RED MAPLE RIS FRESH FROZ | 0.73 | 0.13 | 0.06 | 0.37 | 0.009 | 21 | 23 | 7 | 290 | 0 | 0.06 | 5.2 | not | not | not | not | not | not | |
| PF11 | Qt bag | 07/01/23 | MOFGA ROCK MAPLE FRESH | (minerals not requested) | | | | | | | | | | | | 4.3 | | 1.2 | 2.63 | 0.75 | 0.73 | 0.46 |
| PE11 | | 07/01/23 | MOFGA ROCK MAPLE ENSEILED | 0.63 | 0.15 | 0.12 | 0.79 | 0.008 | 100 | 25 | 5 | 332 | 0.7 | 0.14 | 4.1 | 0 | 1.11 | 2.44 | 0.71 | 0.68 | 0.42 | |
| YK3 | #55 | 09/24/23 | MOFGA ROCK MAPLE ENSEILED | 1.43 | 0.17 | 0.1 | 0.65 | 0.009 | 52 | 12 | 3 | 452 | 0.3 | 0.1 | 4.5 | 0 | 1.09 | 2.4 | 0.72 | 0.69 | 0.42 | |
| | | | Ensiled Rock Maple Aves | 1.03 | 0.16 | 0.11 | 0.72 | 0.01 | 76.00 | 18.50 | 4.00 | 392.00 | 0.50 | 0.12 | 4.30 | 0.00 | 1.10 | 2.42 | 0.715 | 0.685 | 0.42 | |
| PF12 | Qt bag | 10/01/23 | YKF NORWAY MAPLE HAND-STR. FRESH | (minerals not requested) | | | | | | | | | | | | 5.7 | | 1.17 | 2.58 | 0.72 | 0.72 | 0.44 |
| PE12 | | 10/01/23 | YKF NORWAY MAPLE Hand-str EN | 1.46 | 0.18 | 0.16 | 1.09 | 0.011 | 318 | 57 | 7 | 543 | 1.2 | 0.15 | 5.3 | 0.03 | 1.12 | 2.46 | 0.7 | 0.69 | 0.42 | |
| N#1 | Qt bag | 06/24/24 | BBF STRIPED MAPLE FRESH | 0.74 | 0.3 | 0.24 | 1.29 | 0.004 | 87 | 21 | 6 | 1700 | 0 | | 4.4 | 1.34 | 1.25 | 2.75 | 0.76 | 0.76 | 0.48 | |
| PF5 | | 06/26/23 | MOFGA BOX ELDER FRESH | (minerals not requested) | | | | | | | | | | | | 3.4 | | 1.2 | 2.66 | 0.75 | 0.73 | 0.46 |
| PE5 | | 06/26/23 | MOFGA BOX ELDER ENSEILED | 0.98 | 0.29 | 0.17 | 1.61 | 0.012 | 170 | 31 | 6 | 76 | 0.8 | 0.17 | 3.5 | 0.28 | 1.22 | 2.7 | 0.76 | 0.75 | 0.48 | |
| | | | | | | | | | | | | | | | | | | | NEL | NEM | NEG | |
| PF6 | | 10/04/23 | FVF BLACK LOCUST FRESH | (minerals not requested) | | | | | | | | | | | | 5.1 | | 1.18 | 2.6 | 0.71 | 0.69 | 0.42 |
| PE6 | | 10/04/23 | FVF BLACK LOCUST ENSEILED | 1.05 | 0.24 | 0.13 | 1.37 | 0.009 | 120 | 20 | 6 | 53 | 0.6 | 0.16 | 6.2 | 0.17 | 1.03 | 2.27 | 0.65 | 0.6 | 0.34 | |
| PF7 | | 09/29/23 | FVF BASSWOOD FRESH | (minerals not requested) | | | | | | | | | | | | 6.2 | | 1.16 | 2.55 | 0.69 | 0.67 | 0.4 |
| PE7 | | 09/29/23 | FVF BASSWOOD ENSEILED | 2.32 | 0.24 | 0.41 | 2.12 | 0.014 | 187 | 63 | 10 | 385 | 0.3 | 0.22 | 5.5 | 0.45 | 1.08 | 2.39 | 0.65 | 0.62 | 0.36 | |
| PF10 | | 10/01/23 | FVF AMERICAN ELM FRESH | (minerals not requested) | | | | | | | | | | | | 6.1 | | 0.97 | 2.14 | 0.57 | 0.55 | 0.29 |
| PE10 | | 10/01/23 | FVF AMERICAN ELM ENSEILED | 1.89 | 0.26 | 0.31 | 1.92 | 0.011 | 127 | 22 | 8 | 498 | 0.9 | 0.13 | 6 | 0.17 | 0.89 | 1.96 | 0.53 | 0.49 | 0.24 | |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | Calcium | Phosph | Magnes | Potassi | Sodiu | Iron | Zinc | Coppe | Mang | PPM Moly | Sulfur | pH | % Am (CPE) | ME 1xlb | ME 1xkg | NEL | NEM | NEG |
|---------|--------|--------------|---------------------------------|--------------------------|--------|--------|---------|-------|--------|-------|-------|--------|----------|--------|------|------------|---------|---------|------|-------|-------|
| PF9 | | 6/25-26/23 | MOFGA HONEYSUCKLE FRESH | (minerals not requested) | | | | | | | | | | 5.3 | | 1.12 | 2.46 | 0.68 | 0.67 | 0.4 | |
| C15 | Bucket | 06/25/24 | MOFGA HONEYSUCKLE ENILED | 1.37 | 0.24 | 0.32 | 1.69 | 0.011 | 349 | 53 | 7 | 227 | 0 | 0.17 | 5.2 | 0 | 0.94 | 2.07 | 0.58 | 0.53 | 0.27 |
| A11 | #1 | 06/23/23 | MOFGA HONEYSUCKLE ENILED | 1.09 | 0.23 | 0.3 | 1.59 | 0.013 | 348 | 45 | 7 | 123 | 0 | 0.15 | 5.3 | 0.04 | 0.95 | 2.1 | 0.61 | 0.55 | 0.3 |
| YK8 | #8B | 06/30/23 | MOFGA HONEYSUCKLE ENILED | 0.72 | 0.16 | 0.17 | 0.67 | 0.015 | 60 | 37 | 5 | 149 | 0.4 | 0.09 | 4.4 | 0.07 | 1.2 | 2.64 | 0.78 | 0.77 | 0.49 |
| B3 | #5 | 06/29/23 | MOFGA HONEYSUCKLE ENILED | 1.31 | 0.26 | 0.35 | 1.86 | 0.017 | 234 | 38 | 6 | 151 | 0 | 0.16 | 5.4 | 0 | 0.92 | 2.04 | 0.59 | 0.53 | 0.27 |
| A2 | #10 | 07/06/23 | MOFGA HONEYSUCKLE ENILED | 1.33 | 0.23 | 0.3 | 1.77 | 0.018 | 126 | 30 | 6 | 130 | 0 | 0.14 | 5.1 | 0 | 0.93 | 2.04 | 0.59 | 0.53 | 0.28 |
| N#6 | #43 | 08/03/23 | MOFGA HONEYSUCKLE ENILED, | (minerals not requested) | | | | | | | | | | 5.5 | | 1.03 | 2.28 | 0.67 | 0.65 | 0.38 | |
| | | | Ensiled Honeysuckle Aves | 1.16 | 0.22 | 0.29 | 1.52 | 0.01 | 223.40 | 40.60 | 6.20 | 156.00 | 0.08 | 0.14 | 5.08 | 0.02 | 0.99 | 2.18 | 0.63 | 0.582 | 0.322 |
| PF14 | | 09/07/23 | YKF SMOOTH BUCKTHORN FRES | (minerals not requested) | | | | | | | | | | 5.3 | | 1.23 | 2.72 | 0.77 | 0.76 | 0.49 | |
| PE14 | | 09/07/23 | YKF SMOOTH BUCKTHORN ENSIL | 1.52 | 0.39 | 0.3 | 1.36 | 0.012 | 249 | 43 | 6 | 393 | 1.3 | 0.15 | 5.4 | 0.21 | 1.17 | 2.58 | 0.72 | 0.71 | 0.44 |
| PF15 | | 09/15/23 | YKF WINTERBERRY FRESH | (minerals not requested) | | | | | | | | | | 5.7 | | 1.19 | 2.63 | 0.72 | 0.73 | 0.45 | |
| PE15 | | 09/15/23 | YKF WINTERBERRY ENILED | 0.92 | 0.15 | 0.31 | 1.14 | 0.014 | 115 | 232 | 15 | 479 | 0.6 | 0.19 | 5.4 | 0.12 | 1.05 | 2.31 | 0.64 | 0.63 | 0.37 |
| PF17 | | 09/14/23 | YKF LEATHER WOOD FRESH | (minerals not requested) | | | | | | | | | | 5.2 | | 1.23 | 2.72 | 0.78 | 0.79 | 0.51 | |
| PE17 | | 09/14/23 | YKF LEATHERWOOD ENILED | 1.55 | 0.21 | 0.19 | 0.74 | 0.012 | 123 | 89 | 8 | 171 | 0.6 | 0.1 | 5.8 | 0.08 | 1.09 | 2.39 | 0.7 | 0.7 | 0.43 |
| PE22 | | 7/5-6/23 | MOFGA AUTUMN OLIVE ENILED | 0.7 | 0.18 | 0.12 | 1.98 | 0.009 | 106 | 23 | 9 | 295 | 0.3 | 0.21 | 4.8 | 0.13 | 1.04 | 2.29 | 0.58 | 0.56 | 0.3 |
| PF8 | | 06/25/23 | MOFGA ARROW WOOD FRESH | (minerals not requested) | | | | | | | | | | 5 | | 1.18 | 2.6 | 0.72 | 0.72 | 0.45 | |
| PE8 | | 06/25/23 | MOFGA ARROW WOOD ENILED | 1.17 | 0.2 | 0.2 | 1.26 | 0.011 | 332 | 108 | 8 | 433 | 0.8 | 0.15 | 4.6 | 0 | 0.99 | 2.18 | 0.61 | 0.6 | 0.34 |
| N#2 | Qt bag | 06/25/24 | YKF STAGHORN SUMAC FRESH | 0.64 | 0.32 | 0.16 | 1.64 | 0.003 | 57 | 24 | 4 | 26 | 1.1 | | 4.7 | 1.49 | 1.31 | 2.89 | 0.83 | 0.82 | 0.53 |
| N#3 | Qt bag | 6/28-29/24 | FVF BITTERSWEET FRESH | 1.37 | 0.23 | 0.46 | 2.3 | 0.005 | 94 | 17 | 3 | 31 | 0 | | 5.8 | 1.26 | 1.2 | 2.64 | 0.73 | 0.72 | 0.45 |
| N#4 | Qt bag | 06/30/24 | FVF MULTI-FLORA ROSE FRESH | 1.17 | 0.24 | 0.3 | 2.06 | 0.005 | 180 | 17 | 8 | 113 | 0.1 | | 4.9 | 1.31 | 1.17 | 2.57 | 0.73 | 0.7 | 0.43 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | DE Mcal/kg | A % CP | B % CP | C % CP | Kd CP | Ammon % of SP | AmCP E %CP | HDE | RFV |
|---------|---------|--------------|---------------------------------|------------|--------|--------|--------|-------|---------------|------------|------|-------|
| HA2 | (Hay) | 08/24/23 | D. Flood 2ND CUT HAY (fed AH) | 3 | 31 | 52 | 17 | 7 | | | 0.96 | 98 |
| HA1 | (Hay) | 08/25/23 | J. Morse 1ST CUT HAY (fed AL) | 2 | 31 | 52 | 17 | 7 | | | 0.92 | 85 |
| PF2 | (Pair) | 10/4 & -6/22 | LAUFERS RED OAK FRESH | 3 | 57 | 33 | 10 | 9 | | | 1.09 | 126 |
| PE2 | (Pair) | 10/4 & -6/22 | LAUFERS RED OAK ENILED | 2 | 57 | 33 | 10 | 9 | | 0.9 | | 118 |
| B4 | #4 2022 | 10/4 & -6/22 | LAUFERS' OAK ENILED | 3 | 31 | 62 | 7 | 12 | | | | 137 |
| B2 | #3 FVF | 09/28/23 | FVF RED OAK ENILED | 3 | 31 | 62 | 7 | 12 | | 0.7 | | 147 |
| C14 | #11 FVF | 10/08/23 | FVF RED OAK (above Gr Ash) | 3 | 31 | 62 | 7 | 12 | | 0.2 | | 156 |
| A1 | #12 | 10/09/23 | FVF RED OAK ENILED | 3 | 31 | 62 | 7 | 12 | | 0.4 | | 123 |
| | | | Ensiled Red Oak Aves | 2.8 | 36.2 | 56.2 | 7.6 | 11.4 | | 0.55 | | 136.2 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | DE Mcal/kg | A % CP | B % CP | C % CP | Kd CP | Ammon % of SP | AmCP E %CP | HDE | RFV |
|---------|---------|--------------|---------------------------------|------------|--------|--------|--------|-------|---------------|------------|------|--------|
| A7 | #14 | 07/08/23 | MOFGA QUAKING ASPEN ENSILE | 3 | 31 | 62 | 7 | 12 | 4 | 0.4 | | 183 |
| B6 | #16 | 07/11/23 | MOFGA QUAKING ASPEN ENSILE | 3 | 31 | 62 | 7 | 12 | 17 | 3.9 | | 210 |
| A4 | #19 | 07/12/23 | MOFGA QUAKING ASPEN ENSILE | 3 | 31 | 62 | 7 | 12 | 4 | 0.4 | | 174 |
| C11 | #20 | 07/12/23 | MOFGA QUAKING ASPEN ENSILE | 3 | 31 | 62 | 7 | 12 | 0 | 0 | | 212 |
| A6 | #21 | 07/13/23 | MDFGA QUAKING ASPEN ENSILE | 3 | 31 | 62 | 7 | 12 | 5 | 0.4 | | 234 |
| B8 | #25 | 07/15/23 | MOFGA QUAKING ASPEN ENSILE | 3 | 31 | 62 | 7 | 12 | 4 | 0.4 | | 199 |
| A3 | #35 | 07/20/23 | MOFGA QUAKING ASPEN ENSILE | 3 | 31 | 62 | 7 | 12 | 6 | 0.5 | | 197 |
| | | | Ensiled Quaking Aspen Aves | 3.00 | 31.00 | 62.00 | 7.00 | 12.00 | 5.71 | 0.86 | | 201.32 |
| PF16B | | 10/11/23 | YKF BIG TOOTHED ASPEN FRESH | 3 | 31 | 62 | 7 | 12 | | | | 163 |
| C1 | #54 | 10/11/23 | YKF BIG-TOOTHED ASPEN ENSIL | 2 | 31 | 62 | 7 | 12 | 5 | 0.8 | | 156 |
| Fer#1 | Bucket | 09/28/23 | YKF BT ASPEN Hand-str ENS 1+yr | 3 | 57 | 33 | 10 | 9 | | | | 148 |
| C6 | #56 | 10/10-11/23 | BIG TOOTHED ASPEN ENSILED | 3 | 31 | 62 | 7 | 12 | 11 | 1.1 | | 168 |
| | | | Ensiled Big-Toothed Aspen Aves | 2.50 | 31.00 | 62.00 | 7.00 | 12.00 | 5.00 | 0.95 | | 161.98 |
| PF1 | (Pair) | 09/18/23 | YKF WHITE ASH FRESH | 3 | 57 | 33 | 10 | 9 | | | 1.24 | 177 |
| PE1 | (Pair) | 09/18/23 | YKF WHITE ASH ENSILED | 3 | 57 | 33 | 10 | 9 | 27 | 4.8 | | 185 |
| PF20 | | 10/06/23 | FVF WHITE ASH FRESH | 3 | 31 | 62 | 7 | 12 | | | | 171 |
| A13 | #10 FVF | 10/06/23 | FVF WHITE ASH ENSILED | 3 | 31 | 62 | 7 | 12 | 15 | 4.5 | | 161 |
| B15 | #53 | 9/18-20/23 | YKF WHITE ASH ENSILED | 3 | 31 | 62 | 7 | 12 | 17 | 2.9 | | 141 |
| C18 | #54 | 09/20/23 | YKF WHITE ASH ENS (below BT As | 3 | 31 | 62 | 7 | 12 | 8 | 0.9 | | 161 |
| B13 | #1 FVF | 09/26/23 | FVF WHITE ASH ENSILED | 3 | 31 | 62 | 7 | 12 | 13 | 1.6 | | 152 |
| C2 | #2 FVF | 09/27/23 | FVF WHITE ASH ENSILED | 3 | 31 | 62 | 7 | 12 | 12 | 2.2 | | 166 |
| | | | Ensiled White Ash Aves | 3.00 | 36.20 | 56.20 | 7.60 | 11.40 | 16.80 | 3.20 | | 161.04 |
| PF18 | | 06/30/23 | MOFGA GREEN ASH FRESH | 3 | 31 | 62 | 7 | 12 | | | | 146 |
| PE18 | Bucket | 06/30/23 | MOFGA GREEN ASH ENSILED | 2 | 31 | 62 | 7 | 12 | 4 | 0.5 | | 171 |
| N#7 | #40 | 07/26/23 | MOFGA GREEN ASH ENS (wirth Hc | 3 | 57 | 33 | 10 | 9 | | | | 159 |
| C12 | #7 FVF | 10/02/23 | FVF GREEN ASH ENSILED | 3 | 31 | 62 | 7 | 12 | 18 | 3.4 | | 178 |
| C5 | #9 | 10/05/23 | FVF GREEN ASH ENSILED | 3 | 31 | 62 | 7 | 12 | 12 | 3 | | 168 |
| C4 | #11 FVF | 10/08/23 | FVF GREEN ASH ENSILED | 3 | 31 | 62 | 7 | 12 | 12 | 3.3 | | 150 |
| | | | Ensiled Green Ash Aves | 2.75 | 31.00 | 62.00 | 7.00 | 12.00 | 11.50 | 2.55 | | 165.25 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | DE Mcal/kg | A % CP | B % CP | C % CP | Kd CP | Ammon % of SP | AmCP E %CP | HDE | RFV |
|---------|-----------------------|---------------|--|------------|--------|--------|--------|-------|---------------|------------|-----|--------|
| N#5 | Qt bag | 6/15/24 | YKF BLACK CHERRY FRESH (did c | 3 | 57 | 33 | 10 | 9 | | | | 213 |
| PF3 | (Pair) | 06/27/23 | MOFGA BLACK CHERRY FRESH | 2 | 31 | 62 | 7 | 12 | 4 | 0.5 | | 160 |
| PE3 | (Pair) | 06/27/23 | MOFGA BLACK CHERRY ENSEILED | 3 | 57 | 33 | 10 | 9 | 13 | 2.5 | | 154 |
| B10 | #7 | 06/30/23 | MOFGA BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 14 | 2.6 | | 222 |
| C8 | #9 | 07/01/23 | MOFGA BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 13 | 2.5 | | 330 |
| B1 | #11 | 7/5 -6/23 | MOFGA BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 12 | 2.1 | | 205 |
| B5 | #12 | 7/5-6/23 | MOFGA BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 12 | 2.4 | | 242 |
| A5 | #37 | 07/25/23 | MDFGA BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 15 | 2.8 | | 224 |
| A12 | #39 | 07/26/23 | MOFGA BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 12 | 2 | | 211 |
| YK9 | Unmarked, Gedo & Susn | 08/03/23 | YKF BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | | 1.3 | | 148 |
| C3 | #46 | 09/02/23 | YKF BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 10 | 1.8 | | 310 |
| C9 | 2022 | 9/30-10/01/22 | YFK BLACK CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 7 | 1.9 | | 229 |
| C7 | Bucket | 10/11-12/23 | YKF WW WAY BLACK CHERRY EN | 3 | 31 | 62 | 7 | 12 | 10 | 2.1 | | 278 |
| | | | Ensiled Black Cherry Aves | 3.00 | 33.36 | 59.36 | 7.27 | 11.73 | 11.80 | 2.18 | | 240.32 |
| PE21 | Pair | 07/01/23 | MOFGA PIN CHERRY ENSEILED | 3 | 31 | 62 | 7 | 12 | 21 | 2.8 | | 187 |
| PF13 | | 7/20-21/23 | MOFGA AM BEECH FRESH | 3 | 31 | 62 | 7 | 12 | | | | 115 |
| PE13 | | 7/20-21/23 | MOFGA AM BEECH ENSEILED | 3 | 31 | 62 | 7 | 12 | 0 | 0 | | 99 |
| Fer#2 | Bucket | 7/20-21/23 | MOFGA AM BEECH ENSEILED 1YR | 3 | 57 | 33 | 10 | 9 | | | | 105 |
| | | | | | | | | | | | | 102.16 |
| PF4 | Pair | 07/11/23 | MOFGA GRAY BIRCH FRESH | 3 | 31 | 62 | 7 | 12 | | | | |
| B13b | #18 | 07/11/23 | MOFGA GRAY BIRCH ENSEILED | 3 | 31 | 62 | 7 | 12 | not enough? | 0.6 | | 147 |
| YK7 | 2022 | 09/30/22 | *2022 YKF GRAY? (Red?) BIRCH E | 3 | 31 | 62 | 7 | 12 | | 0 | | 119 |
| YK6 | #26 | 07/15/23 | MOFGA GRAY BIRCH ENSEILED | 3 | 31 | 62 | 7 | 12 | | 0 | | 116 |
| B12 | #27 | 07/17/23 | MOFGA GRAY BIRCH ENSEILED | 3 | 31 | 62 | 7 | 12 | not enough? | 0.4 | | 148 |
| A9 | #30 | 07/19/23 | MOFGA GRAY BIRCH ENS (packed | 3 | 31 | 62 | 7 | 12 | not enough? | 0.4 | | 142 |
| YK4 | #43B | 08/03/23 | YKF GRAY BIRCH AT BOTTOM EN | 3 | 31 | 62 | 7 | 12 | | 0 | | 142 |
| YK5 | #43 | 08/03/23 | YKF GRAY BIRCH ENSEILED | 3 | 31 | 62 | 7 | 12 | | 0 | | 131 |
| | | | Ensiled Gray Birch Aves | 3.00 | 31.00 | 62.00 | 7.00 | 12.00 | | 0.20 | | 135.00 |
| | | | *This birch was highly palatable and fully consumed; all others poorly utilized. | | | | | | | | | |
| PF19 | Pair | 09/29/22 | 2022 YKF RED MAPLE POLLARD F | 3 | 31 | 62 | 7 | 12 | | | | 281 |
| PE19 | Bucket | 09/29/22 | 2022 YKF RED MAPLE POLLARD E | 3 | 31 | 62 | 7 | 12 | | 0.3 | | 251 |
| YK1 | #8B | 06/30/23 | MOFGA RED MAPLE ENSEILED | 3 | 31 | 62 | 7 | 12 | 0 | 0 | | 97 |
| YK2 | #36 | 07/25/23 | MOFGA RED MAPLE ENSEILED | 3 | 31 | 62 | 7 | 12 | 4 | 0.5 | | 200 |
| B11 | #44 | 09/01/23 | YKF RED MAPLE ENSEILED | 3 | 31 | 62 | 7 | 12 | not enough? | 0.5 | | 283 |
| C13 | #50 | 09/15/23 | YKF RED MAPLE ENSEILED | 3 | 31 | 62 | 7 | 12 | 4 | 0.6 | | 269 |
| | | | Ensiled Red Maple Aves | 3.00 | 31.00 | 62.00 | 7.00 | 12.00 | | 0.38 | | 276.24 |
| R1 | Fresh | 03/02/24 | 3SF RED MAPLE RIS FRESH FROZ | not | 0 | 0 | 0 | 0 | not requer | not reque | | 97 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | DE Mcal/kg | A % CP | B % CP | C % CP | Kd CP | Ammon % of SP | AmCP E %CP | HDE | RFV |
|---------|--------|--------------|---------------------------------|------------|--------|--------|--------|-------|---------------|------------|-----|--------|
| PF11 | | 07/01/23 | MOFGA ROCK MAPLE FRESH | 3 | 31 | 62 | 7 | 12 | | | | 213 |
| PE11 | | 07/01/23 | MOFGA ROCK MAPLE ENSILED | 3 | 31 | 62 | 7 | 12 | 0 | 0 | | 188 |
| YK3 | #55 | 09/24/23 | MOFGA ROCK MAPLE ENSILED | 3 | 31 | 62 | 7 | 12 | 0 | 0 | | 201 |
| | | | EnsiLED Rock Maple Aves | 3 | 31 | 62 | 7 | 12 | | | | 194.36 |
| PE12 | | 10/01/23 | YKF NORWAY MAPLE Hand-str EN | 3 | 31 | 62 | 7 | 12 | | 0.2 | | 153 |
| N#1 | Qt bag | 06/24/24 | BBF STRIPED MAPLE FRESH | 3 | 57 | 33 | 10 | 9 | | | | 183 |
| PF5 | | 06/26/23 | MOFGA BOX ELDER FRESH | 3 | 31 | 62 | 7 | 12 | | | | 203 |
| PE5 | | 06/26/23 | MOFGA BOX ELDER ENSILED | 3 | 31 | 62 | 7 | 12 | 8 | 1.7 | | 204 |
| PF6 | | 10/04/23 | FVF BLACK LOCUST FRESH | 3 | 31 | 62 | 7 | 12 | | | | 174 |
| PE6 | | 10/04/23 | FVF BLACK LOCUST ENSILED | 3 | 31 | 62 | 7 | 12 | 8 | 1 | | 170 |
| PF7 | | 09/29/23 | FVF BASSWOOD FRESH | 3 | 31 | 62 | 7 | 12 | | | | 153 |
| PE7 | | 09/29/23 | FVF BASSWOOD ENSILED | 3 | 31 | 62 | 7 | 12 | 16 | 2.3 | | 143 |
| PF10 | | 10/01/23 | FVF AMERICAN ELM FRESH | 3 | 31 | 62 | 7 | 12 | | | | 124 |
| PE10 | | 10/01/23 | FVF AMERICAN ELM ENSILED | 2 | 31 | 62 | 7 | 12 | | 1.4 | | 121 |
| PF9 | | 6/25-26/23 | MOFGA HONEYSUCKLE FRESH | 3 | 31 | 62 | 7 | 12 | | | | 136 |
| C15 | Bucket | 06/25/24 | MOFGA HONEYSUCKLE ENSILED | 2 | 31 | 62 | 7 | 12 | 0 | 0 | | 138 |
| A11 | #1 | 06/23/23 | MOFGA HONEYSUCKLE ENSILED | 3 | 31 | 62 | 7 | 12 | 2 | 0.3 | | 168 |
| B3 | #5 | 06/29/23 | MOFGA HONEYSUCKLE ENSILED | 2 | 31 | 62 | 7 | 12 | 0 | 0 | | 151 |
| YK8 | #8B | 06/30/23 | MOFGA HONEYSUCKLE ENSILED | 3 | 31 | 62 | 7 | 12 | | 0.7 | | 209 |
| A2 | #10 | 07/06/23 | MOFGA HONEYSUCKLE ENSILED | 2 | 31 | 62 | 7 | 12 | 0 | 0 | | 148 |
| N#6 | #43 | 08/03/23 | MOFGA HONEYSUCKLE ENSILED | 3 | 57 | 33 | 10 | 9 | | | | 145 |
| | | | EnsiLED Honeysuckle Aves | 2.4 | 31 | 62 | 7 | 12 | 0.5 | 0.2 | | 151.25 |
| PF14 | | 09/07/23 | YKF SMOOTH BUCKTHORN FRES | 3 | 31 | 62 | 7 | 12 | | | | 209 |
| PE14 | | 09/07/23 | YKF SMOOTH BUCKTHORN ENSIL | 3 | 31 | 62 | 7 | 12 | | 1.4 | | 164 |
| PF15 | | 09/15/23 | YKF WINTERBERRY FRESH | 3 | 31 | 62 | 7 | 12 | | | | 144 |
| PE15 | | 09/15/23 | YKF WINTERBERRY ENSILED | 3 | 31 | 62 | 7 | 12 | 8 | 0.9 | | 122 |
| PF17 | | 09/14/23 | YKF LEATHER WOOD FRESH | 3 | 31 | 62 | 7 | 12 | | | | 173 |
| PE17 | | 09/14/23 | YKF LEATHERWOOD ENSILED | 3 | 31 | 62 | 7 | 12 | 18 | 0.9 | | 137 |
| PE22 | | 7/5-6/23 | MOFGA AUTUMN OLIVE ENSILED | 3 | 31 | 62 | 7 | 12 | 3 | 0.6 | | 111 |

| Samp ID | Barrel | Harvest Date | Site, Species, Condition, notes | DE Mcal/kg | A % CP | B % CP | C % CP | Kd CP | Ammon % of SP | AmCP E %CP | HDE | RFV |
|---------|--------|--------------|---------------------------------|------------|--------|--------|--------|-------|---------------|------------|-----|-----|
| PF8 | | 06/25/23 | MOFGA ARROW WOOD FRESH | 3 | 31 | 62 | 7 | 12 | | | | 139 |
| PE8 | | 06/25/23 | MOFGA ARROW WOOD ENSILED | 3 | 31 | 62 | 7 | 11.01 | 0 | 0 | | 114 |
| N#2 | Qt bag | 06/25/24 | YKF STAGHORN SUMAC FRESH | 3 | 57 | 33 | 10 | 9 | | | | 308 |
| N#3 | Qt bag | 6/28-29/24 | FVF BITTERSWEET FRESH | 3 | 57 | 33 | 10 | 9 | | | | 176 |
| N#4 | Qt bag | 06/30/24 | FVF MULTI-FLORA ROSE FRESH | 3 | 57 | 33 | 10 | 9 | | | | 205 |

| Species Ensiled Aves (10 species with multiple samples) | Moisture | Dry Matter | Crude Protein | Availab Protein | ADIC P | Adj Crud Protein | Sol P %CP | R Degr P %CP | SP %DM | RDP %DM | ADF | NDF | Dig F | NFC | WSC | Cr Fat | Ash | TDN |
|---|----------|------------|---------------|-----------------|--------|------------------|-----------|--------------|--------|---------|-------|-------|-------|-------|-------|--------|------|-------|
| 2ND CUT HAY PACKED 12/21/23 | 18.60 | 81.40 | 18.60 | | | 18.60 | 33 | 70.00 | 6.14 | 13.02 | 35.90 | 57.60 | 21.70 | 13.90 | 7.50 | | | 57.00 |
| 1ST CUT HAY PACKED 12/21/23 | 17.00 | 83.00 | 9.40 | | | 9.40 | 28 | 62.00 | 2.63 | 5.83 | 38.50 | 64.30 | 25.80 | 16.30 | 9.70 | | | 55.00 |
| Dairy One Ave 2004-'24 Grass Hay | | 9.27 | 11.03 | | | | 33.94 | 65.02 | 3.74 | 7.17 | 38.05 | 61.19 | | 19.40 | 11.33 | 2.63 | 7.83 | 58.86 |
| Dairy One Ave 2004-'24 Grass Silage | | 38.25 | 15.48 | | | | 53.19 | 70.70 | 8.23 | 10.94 | 37.22 | 57.33 | | 16.80 | 7.96 | 3.97 | 9.51 | 61.67 |
| Ave of Species Aves, 10 Woody Species (ensiled only) | 57.30 | 42.70 | 12.37 | 8.24 | 4.13 | 8.54 | 14.53 | 23.31 | 1.84 | 2.77 | 26.05 | 37.70 | 11.66 | 38.78 | 9.93 | 5.96 | 4.80 | 62.30 |
| Red Oak Aves | 52.92 | 47.08 | 14.66 | 11.84 | 2.80 | | | | | | 28.60 | 45.96 | 17.36 | | 5.35 | 6.50 | | 60.20 |
| Honeysuckle Aves | 61.84 | 38.16 | 12.86 | 7.12 | 5.74 | 8.30 | 11.25 | 19.50 | | 2.51 | 27.20 | 39.44 | 12.24 | 47.20 | 10.40 | 6.60 | 5.00 | 59.80 |
| Quaking Aspen Aves | 60.07 | 39.93 | 14.18 | 10.10 | 4.07 | 11.10 | 11.50 | 18.00 | 1.63 | 2.55 | 23.50 | 33.15 | 9.65 | | 11.17 | | | 61.67 |
| Big-Toothed Aspen Aves | 60.95 | 39.05 | 13.52 | 8.61 | 4.90 | 9.70 | 11.38 | 18.75 | 1.59 | 2.51 | 25.35 | 36.30 | 10.95 | | 10.78 | | | 60.74 |
| White Ash Aves | 58.08 | 41.92 | 11.08 | 6.58 | 4.48 | 7.58 | 18.00 | 19.20 | 1.99 | 2.13 | 26.75 | 39.20 | 12.45 | | 8.38 | | | 59.33 |
| Green Ash Aves | 58.13 | 41.88 | 12.98 | 7.98 | 5.00 | 8.98 | 21.75 | 27.75 | 2.82 | 3.60 | 28.60 | 41.23 | 12.63 | 22.90 | 7.45 | 4.90 | 6.77 | 59.25 |
| Black Cherry Aves | 58.88 | 41.12 | 13.47 | 10.28 | 3.19 | 11.83 | 19.70 | 20.75 | 2.65 | 2.80 | 22.19 | 30.02 | 7.83 | 42.50 | 8.77 | 4.90 | 4.00 | 64.18 |
| Gray Birch Aves | 54.09 | 45.91 | 11.56 | 6.66 | 4.89 | 5.83 | | (54) | | | 31.87 | 44.40 | 12.53 | 33.78 | 8.24 | 6.98 | 3.09 | 63.00 |
| Red Maple Aves | 55.14 | 44.86 | 9.98 | 7.66 | 2.30 | 7.00 | 13.67 | 32.50 | 1.36 | 3.24 | 23.50 | 33.30 | 9.80 | 39.63 | 14.48 | 7.37 | 4.66 | 68.80 |
| Rock Maple Aves | 52.90 | 47.10 | 9.45 | 5.55 | 3.90 | 6.55 | 9.00 | 30.00 | 0.85 | 2.84 | 22.90 | 34.05 | 11.15 | 46.70 | 14.30 | 4.45 | 5.32 | 66.00 |
| Ave of Species Aves, 10 Woody Species (ensiled only) | 57.30 | 42.70 | 12.37 | 8.24 | 4.13 | 8.54 | 14.53 | 23.31 | 1.84 | 2.46 | 26.05 | 37.70 | 11.66 | 38.78 | 9.93 | 5.96 | 4.80 | 62.30 |

| NEL | NEM | NEG | Species Aves | Calcium | Phosph | Magnes | Potassi | Sodiu | Iron | Zinc | Copper | Mang | PPM | Sulfur | pH | % Am | ME | ME | TDN1 |
|------|------|------|-------------------------------------|---------|--------|--------|---------|-------|---------|-------|--------|--------|-------|--------|-------|------|------|-------|------|
| | | | | | | | | m | | | | | Moly | | (CPE) | 1xlb | 1xkg | X | |
| 0.53 | 0.52 | 0.26 | 2ND CUT HAY PACKED 12/21/23 | 0.55 | 0.50 | 0.20 | 3.30 | 0.02 | 604.00 | 45.00 | 11.00 | 73.00 | 2.80 | 0.31 | | 1.01 | 2.22 | 57.00 | |
| 0.47 | 0.48 | 0.23 | 1ST CUT HAY PACKED 12/21/23 | 0.59 | 0.22 | 0.16 | 1.02 | 0.11 | 122.00 | 40.00 | 5.00 | 343.00 | 1.10 | 0.17 | | 0.91 | 2.01 | 55.00 | |
| 0.52 | 0.53 | 0.28 | Dairy One Ave 2004-'24 Grass Hay | 0.466 | 0.243 | 0.211 | 1.865 | 0.084 | 207.84 | 29.22 | 7.85 | 88.1 | 1.38 | 0.184 | 6.28 | | | | |
| 0.56 | 0.59 | 0.33 | Dairy One Ave 2004-'24 Grass Silage | 0.115 | 0.334 | 0.226 | 2.506 | 0.142 | 673.665 | 37.97 | 9.76 | 101.13 | 1.649 | 0.222 | 4.7 | | | | |

| | | | | | | | | | | | | | | | | | | | |
|------|------|------|------------------------------------|------|------|------|------|------|--------|--------|-------|--------|------|------|------|------|------|------|-------|
| 0.66 | 0.64 | 0.38 | Ave of species aves across species | 1.08 | 0.22 | 0.21 | 0.97 | 0.01 | 137.23 | 74.57 | 7.82 | 250.48 | 0.14 | 0.14 | 5.05 | 0.13 | 1.04 | 2.29 | 62.08 |
| 0.61 | 0.58 | 0.32 | Red Oak Aves | 0.84 | 0.21 | 0.18 | 0.89 | 0.01 | 79.25 | 38.00 | 5.50 | 780.25 | 0.05 | 0.14 | 5.48 | 0.08 | 1.03 | 2.26 | 60.20 |
| 0.63 | 0.58 | 0.32 | Honeysuckle Aves | 1.16 | 0.22 | 0.29 | 1.52 | 0.01 | 223.40 | 40.60 | 6.20 | 156.00 | 0.08 | 0.14 | 5.08 | 0.02 | 0.99 | 2.18 | 59.80 |
| 0.66 | 0.62 | 0.35 | Quaking Aspen Aves | 1.10 | 0.24 | 0.23 | 0.94 | 0.01 | 55.43 | 126.71 | 7.29 | 112.14 | 0.00 | 0.15 | 5.27 | 0.13 | 1.04 | 2.30 | 61.71 |
| 0.65 | 0.60 | 0.34 | Big-Toothed Aspen Aves | 1.32 | 0.18 | 0.21 | 0.62 | 0.01 | 58.00 | 273.50 | 9.50 | 439.00 | 0.00 | 0.16 | 5.10 | 0.11 | 0.96 | 2.11 | 58.50 |
| 0.62 | 0.57 | 0.31 | White Ash Aves | 1.25 | 0.25 | 0.25 | 1.12 | 0.01 | 81.17 | 15.50 | 9.83 | 60.33 | 0.00 | 0.10 | 5.37 | 0.30 | 0.97 | 2.14 | 59.33 |
| 0.62 | 0.57 | 0.31 | Green Ash Aves | 1.16 | 0.21 | 0.29 | 1.23 | 0.01 | 97.50 | 18.50 | 13.25 | 67.25 | 0.18 | 0.21 | 5.33 | 0.31 | 0.99 | 2.17 | 59.25 |
| 0.70 | 0.65 | 0.39 | Black Cherry Aves | 1.49 | 0.29 | 0.25 | 1.03 | 0.02 | 82.46 | 31.73 | 5.09 | 147.55 | 0.05 | 0.11 | 4.66 | 0.30 | 1.09 | 2.41 | 64.18 |
| 0.66 | 0.64 | 0.37 | Gray Birch Aves | 0.59 | 0.21 | 0.14 | 0.74 | 0.01 | 115.50 | 125.50 | 7.17 | 227.50 | 0.13 | 0.13 | 5.03 | 0.03 | 1.05 | 2.32 | 63.00 |
| 0.75 | 0.73 | 0.46 | Red Maple Aves | 0.87 | 0.24 | 0.17 | 0.85 | 0.03 | 503.60 | 57.20 | 10.40 | 122.80 | 0.43 | 0.12 | 4.92 | 0.04 | 1.17 | 2.58 | 68.80 |
| 0.72 | 0.69 | 0.42 | Rock Maple Aves | 1.03 | 0.16 | 0.11 | 0.72 | 0.01 | 76.00 | 18.50 | 4.00 | 392.00 | 0.50 | 0.12 | 4.30 | 0.00 | 1.10 | 2.42 | 66.00 |
| 0.66 | 0.64 | 0.38 | Ave of species aves across species | 1.08 | 0.22 | 0.21 | 0.97 | 0.01 | 137.23 | 74.57 | 7.82 | 250.48 | 0.14 | 0.14 | 5.05 | 0.13 | 1.04 | 2.29 | 62.08 |

| Species Aves | DE | A % CP | B % CP | C % CP | Kd CP | Ammoni | Amm- | HDE | RFV |
|--|---------|--------|--------|--------|-------|-----------|---------|------|--------|
| | Mcal/kg | | | | | a % of SP | CPE %CP | | |
| 2ND CUT HAY PACKED 12/21/23 | 3 | 31 | 52 | 17 | 7 | | | 0.96 | 98 |
| 1ST CUT HAY PACKED 12/21/23 | 2 | 31 | 52 | 17 | 7 | | | 0.92 | 85 |
| Dairy One Ave 2004-'24 Grass Hay | | | | | | | | | 130.5 |
| Dairy One Ave 2004-'24 Grass Silage | | | | | | 9.56 | 1.228 | | 98.71 |
| Ave of Species Aves, 10 Woody Species (ensiled only) | 2.85 | 32.28 | 60.58 | 7.15 | 11.85 | 7.33 | 1.11 | | 184.06 |
| Red Oak Aves | 2.80 | 36.20 | 56.20 | 7.60 | 11.40 | | 0.55 | | 136.20 |
| Honeysuckle Aves | 2.40 | 31.00 | 62.00 | 7.00 | 12.00 | 0.50 | 0.20 | | 151.25 |
| Quaking Aspen Aves | 3.00 | 31.00 | 62.00 | 7.00 | 12.00 | 5.71 | 0.86 | | 201.32 |
| Big-Toothed Aspen Aves | 2.50 | 31.00 | 62.00 | 7.00 | 12.00 | 5.00 | 0.95 | | 161.98 |
| White Ash Aves | 3.00 | 36.20 | 56.20 | 7.60 | 11.40 | 16.80 | 3.20 | | 161.04 |
| Green Ash Aves | 2.75 | 31.00 | 62.00 | 7.00 | 12.00 | 11.50 | 2.55 | | 165.25 |
| Black Cherry Aves | 3.00 | 33.36 | 59.36 | 7.27 | 11.73 | 11.80 | 2.18 | | 240.32 |
| Gray Birch Aves | 3.00 | 31.00 | 62.00 | 7.00 | 12.00 | | 0.20 | | 162.92 |
| Red Maple Aves | 3.00 | 31.00 | 62.00 | 7.00 | 12.00 | | 0.38 | | 276.24 |
| Rock Maple Aves | 3.00 | 31.00 | 62.00 | 7.00 | 12.00 | 0.00 | 0.00 | | |
| Ave of Species Aves, 10 Woody Species (ensiled only) | 2.85 | 32.28 | 60.58 | 7.15 | 11.85 | 7.33 | 1.11 | | 184.06 |