

FORAGE TESTING LABORATORY

DAIRY ONE, INC.  
 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

| Sample Description        | Farm   | Code  | Sample   |
|---------------------------|--------|-------|----------|
| MMG HAY                   |        | 102   | 29652110 |
| 2023 ORCHARD/ALFALFA MIX  |        |       |          |
| Analysis Results          |        |       |          |
| Components                | As Fed | DM    |          |
| % Moisture                | 8.2    |       |          |
| % Dry Matter              | 91.8   |       |          |
| % Crude Protein           | 13.4   | 14.6  |          |
| % Available Protein       | 12.6   | 13.8  |          |
| % ADICP                   | .8     | .9    |          |
| % Adjusted Crude Protein  | 13.4   | 14.6  |          |
| Soluble Protein % CP      |        | 40    |          |
| Degradable Protein%CP     |        | 71    |          |
| % NDICP                   | 3.8    | 4.1   |          |
| % ADF                     | 29.1   | 31.7  |          |
| % aNDF                    | 48.4   | 52.8  |          |
| % Lignin                  | 2.3    | 2.6   |          |
| % NFC                     | 17.3   | 18.9  |          |
| % Starch                  | .8     | .9    |          |
| % WSC (Water Sol. Carbs.) | 9.8    | 10.7  |          |
| % ESC (Simple Sugars)     | 6.6    | 7.2   |          |
| % Crude Fat               | 3.4    | 3.7   |          |
| % Total Fatty Acids       | 1.60   | 1.74  |          |
| % RUFAL                   | .85    | .93   |          |
| % Ash                     | 9.22   | 10.05 |          |
| % TDN                     | 63     | 68    |          |
| NEL, Mcal/Lb              | .61    | .67   |          |
| NEM, Mcal/Lb              | .63    | .69   |          |
| NEG, Mcal/Lb              | .39    | .42   |          |
| Relative Feed Value       |        | 113   |          |
| % Calcium                 | .58    | .63   |          |
| % Phosphorus              | .28    | .30   |          |
| % Magnesium               | .36    | .40   |          |
| % Potassium               | 1.28   | 1.39  |          |
| % Sodium                  | .511   | .557  |          |
| PPM Iron                  | 110    | 120   |          |
| PPM Zinc                  | 26     | 28    |          |
| PPM Copper                | 6      | 6     |          |
| PPM Manganese             | 39     | 43    |          |
| PPM Molybdenum            | 1.0    | 1.1   |          |
| % Sulfur                  | .30    | .33   |          |
| % Chloride Ion            | .92    | 1.00  |          |
| IVTD 30hr, % of DM        |        | 77    |          |
| NDFD 30hr, % of NDF       |        | 56    |          |
| kd, %/hr                  |        | 3.46  |          |
| % Lysine                  | .52    | .57   |          |
| % Methionine              | .18    | .20   |          |
| Horse DE, Mcal/Lb         | .92    | 1.00  |          |

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 |Sampled | Recvd |Printed |ST|CO|  
 | |10/30/23|10/31/23| | |

2023 ORCHARD/ALFALFA MIX  
 Reber Ranch  
 28606 132nd Ave SE  
 Kent, WA 98042

ENERGY TABLE - NRC 2001

|          | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X   | 1.32    | 2.91    |
| ME, 1X   | 1.13    | 2.49    |
| NEL, 3X  | 0.65    | 1.43    |
| NEM, 3X  | 0.68    | 1.50    |
| NEG, 3X  | 0.41    | 0.91    |
| TDN1X, % | 65      |         |