

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 |
|--------------------|------|------|----------|
| TMR | | 385D | 27672970 |

1 TMR

Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

1 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 9.4 | |
| % Dry Matter | 90.6 | |
| % Crude Protein | 13.5 | 14.9 |
| % Adjusted Crude Protein | 13.5 | 14.9 |
| Soluble Protein % CP | | 29 |
| % ADF | 22.0 | 24.2 |
| % aNDF | 37.1 | 40.9 |
| % Lignin | 3.1 | 3.4 |
| % NFC | 26.3 | 29.0 |
| % Crude Fat, EE | 5.37 | 5.93 |
| % Ash | 8.41 | 9.29 |
| % TDN | 64 | 70 |
| NEL, Mcal/Lb | .68 | .75 |
| NEM, Mcal/Lb | .68 | .75 |
| NEG, Mcal/Lb | .43 | .47 |
| % Calcium | 1.11 | 1.22 |
| % Phosphorus | .36 | .40 |
| % Magnesium | .32 | .35 |
| % Potassium | 1.39 | 1.53 |
| % Sodium | .546 | .602 |
| PPM Iron | 202 | 223 |
| PPM Zinc | 164 | 181 |
| PPM Copper | 14 | 15 |
| PPM Manganese | 233 | 257 |
| PPM Molybdenum | 2.4 | 2.7 |
| % Sulfur | .42 | .47 |
| Horse DE, Mcal/Lb | 1.20 | 1.32 |

*** THE LAB WILL BE CLOSED
FRIDAY, JULY 2, 2021 ***

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

| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MISC., Dry | | 660 | 27673220 |
| 26 OTHER | | | |

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/30/21 | | |

| Analysis Results | | |
|------------------|--------|----|
| Components | As Fed | DM |

26 OTHER
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| | | |
|--------------------------|-------|-------|
| % Moisture | 11.6 | |
| % Dry Matter | 88.4 | |
| % Crude Protein | 11.3 | 12.8 |
| % Adjusted Crude Protein | 11.3 | 12.8 |
| Soluble Protein % CP | | 22 |
| % ADF | 6.6 | 7.5 |
| % aNDF | 33.9 | 38.3 |
| % Lignin | 2.3 | 2.6 |
| % NFC | 7.7 | 8.7 |
| % Crude Fat, EE | 2.09 | 2.36 |
| % Ash | 33.50 | 37.88 |
| % TDN | 35 | 40 |
| NEL, Mcal/Lb | .35 | .39 |
| NEM, Mcal/Lb | .22 | .25 |
| NEG, Mcal/Lb | .01 | .02 |
| % Calcium | 3.68 | 4.16 |
| % Phosphorus | .20 | .23 |
| % Magnesium | .80 | .91 |
| % Potassium | 2.20 | 2.49 |
| % Sodium | 3.895 | 4.405 |

ENERGY TABLE - NRC 2001

| | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X | 0.85 | 1.88 |
| ME, 1X | 0.66 | 1.45 |
| NEL, 3X | 0.34 | 0.74 |
| NEM, 3X | 0.32 | 0.70 |
| NEG, 3X | 0.08 | 0.17 |
| TDN1X, % | 41 | |

COMMENTS:

1. THIS SAMPLE WAS TESTED TWICE
FOR NEUTRAL DETERGENT FIBER TO
CONFIRM THE VALUE LISTED.

| | | |
|----------------|-------|-------|
| PPM Iron | 1,410 | 1,590 |
| PPM Zinc | 52 | 59 |
| PPM Copper | 3 | 3 |
| PPM Manganese | 103 | 116 |
| PPM Molybdenum | .7 | .8 |
| % Sulfur | 4.31 | 4.88 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673290 |

| |
|----------|
| 1 MANURE |
|----------|

Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

| |
|-------------------------------------|
| 1 MANURE |
| University of New Hampshire - Brito |
| COLSABSC-Rudman Hall |
| 46 College Road |
| Durham, NH 03824 |

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 11.0 | |
| % Dry Matter | 89.0 | |
| % Crude Protein | 17.0 | 19.0 |
| % Adjusted Crude Protein | 17.0 | 19.0 |
| Soluble Protein % CP | | 13 |
| % ADF | 24.5 | 27.5 |
| % aNDF | 45.5 | 51.1 |
| % Lignin | 7.3 | 8.2 |
| % NFC | 7.4 | 8.3 |
| % Crude Fat, EE | 3.94 | 4.42 |
| % Ash | 15.23 | 17.10 |
| % Calcium | 3.45 | 3.88 |
| % Phosphorus | .88 | .99 |
| % Magnesium | .89 | 1.00 |
| % Potassium | .63 | .71 |
| % Sodium | .218 | .245 |
| PPM Iron | 915 | 1,020 |
| PPM Zinc | 457 | 513 |
| PPM Copper | 68 | 77 |
| PPM Manganese | 412 | 463 |
| PPM Molybdenum | 6.7 | 7.5 |
| % Sulfur | .43 | .49 |

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| | | | |
|--------------------|------|------|----------|
| Sample Description | Farm | Code | Sample |
| MANURE, MISC., Dry | | 655 | 27673300 |

| |
|----------|
| 2 MANURE |
|----------|

Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/25/21 | | |

2 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 10.9 | |
| % Dry Matter | 89.1 | |
| % Crude Protein | 17.6 | 19.8 |
| % Adjusted Crude Protein | 17.6 | 19.8 |
| Soluble Protein % CP | | 15 |
| % ADF | 22.8 | 25.6 |
| % aNDF | 42.8 | 48.0 |
| % Lignin | 7.7 | 8.6 |
| % NFC | 5.8 | 6.5 |
| % Crude Fat, EE | 4.65 | 5.22 |
| % Ash | 18.19 | 20.42 |
| % Calcium | 4.19 | 4.71 |
| % Phosphorus | .98 | 1.10 |
| % Magnesium | .99 | 1.11 |
| % Potassium | .60 | .67 |
| % Sodium | .343 | .385 |
| PPM Iron | 1,120 | 1,260 |
| PPM Zinc | 497 | 558 |
| PPM Copper | 76 | 86 |
| PPM Manganese | 426 | 479 |
| PPM Molybdenum | 7.1 | 8.0 |
| % Sulfur | .90 | 1.01 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673310 |

3 MANURE
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

3 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 10.5 | |
| % Dry Matter | 89.5 | |
| % Crude Protein | 17.1 | 19.1 |
| % Adjusted Crude Protein | 17.1 | 19.1 |
| Soluble Protein % CP | | 14 |
| % ADF | 24.8 | 27.7 |
| % aNDF | 44.7 | 50.0 |
| % Lignin | 7.7 | 8.6 |
| % NFC | 7.8 | 8.7 |
| % Crude Fat, EE | 3.89 | 4.35 |
| % Ash | 15.99 | 17.87 |
| % Calcium | 3.06 | 3.42 |
| % Phosphorus | .89 | .99 |
| % Magnesium | .92 | 1.03 |
| % Potassium | .62 | .70 |
| % Sodium | .368 | .411 |
| PPM Iron | 979 | 1,090 |
| PPM Zinc | 576 | 644 |
| PPM Copper | 86 | 96 |
| PPM Manganese | 488 | 545 |
| PPM Molybdenum | 6.1 | 6.8 |
| % Sulfur | .91 | 1.01 |

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|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673320 |

4 MANURE
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

4 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 10.8 | |
| % Dry Matter | 89.2 | |
| % Crude Protein | 17.4 | 19.5 |
| % Adjusted Crude Protein | 17.4 | 19.5 |
| Soluble Protein % CP | | 15 |
| % ADF | 24.3 | 27.2 |
| % aNDF | 45.1 | 50.6 |
| % Lignin | 7.2 | 8.1 |
| % NFC | 7.4 | 8.3 |
| % Crude Fat, EE | 3.68 | 4.13 |
| % Ash | 15.62 | 17.51 |
| % Calcium | 3.70 | 4.15 |
| % Phosphorus | .88 | .99 |
| % Magnesium | .93 | 1.04 |
| % Potassium | .39 | .44 |
| % Sodium | .162 | .182 |
| PPM Iron | 1,000 | 1,120 |
| PPM Zinc | 438 | 491 |
| PPM Copper | 58 | 65 |
| PPM Manganese | 411 | 461 |
| PPM Molybdenum | 6.4 | 7.2 |
| % Sulfur | .57 | .64 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673330 |

5 MANURE
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

5 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 10.7 | |
| % Dry Matter | 89.3 | |
| % Crude Protein | 18.2 | 20.4 |
| % Adjusted Crude Protein | 18.2 | 20.4 |
| Soluble Protein % CP | | 17 |
| % ADF | 21.5 | 24.1 |
| % aNDF | 39.8 | 44.5 |
| % Lignin | 7.3 | 8.1 |
| % NFC | 8.9 | 9.9 |
| % Crude Fat, EE | 5.04 | 5.65 |
| % Ash | 17.42 | 19.50 |
| % Calcium | 3.92 | 4.39 |
| % Phosphorus | .97 | 1.09 |
| % Magnesium | .97 | 1.09 |
| % Potassium | .50 | .56 |
| % Sodium | .189 | .212 |
| PPM Iron | 1,040 | 1,170 |
| PPM Zinc | 423 | 474 |
| PPM Copper | 61 | 68 |
| PPM Manganese | 401 | 449 |
| PPM Molybdenum | 6.8 | 7.7 |
| % Sulfur | .81 | .91 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673340 |

6 MANURE
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

6 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 10.4 | |
| % Dry Matter | 89.6 | |
| % Crude Protein | 16.1 | 17.9 |
| % Adjusted Crude Protein | 16.1 | 17.9 |
| Soluble Protein % CP | | 17 |
| % ADF | 25.0 | 27.9 |
| % aNDF | 45.7 | 51.0 |
| % Lignin | 7.3 | 8.1 |
| % NFC | 7.2 | 8.0 |
| % Crude Fat, EE | 5.12 | 5.71 |
| % Ash | 15.54 | 17.34 |
| % Calcium | 3.56 | 3.98 |
| % Phosphorus | .98 | 1.09 |
| % Magnesium | 1.04 | 1.16 |
| % Potassium | .43 | .48 |
| % Sodium | .106 | .119 |
| PPM Iron | 937 | 1,040 |
| PPM Zinc | 404 | 451 |
| PPM Copper | 70 | 78 |
| PPM Manganese | 383 | 428 |
| PPM Molybdenum | 6.1 | 6.8 |
| % Sulfur | .41 | .46 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673350 |
| 7 MANURE | | | |

| | | | | Analysis Results | | |
|-------------------------------------|----------|----------|-------|--------------------------|--------|-------|
| Sampled | Recvd | Printed | ST CO | Components | As Fed | DM |
| | 06/18/21 | 06/25/21 | | | | |
| 7 MANURE | | | | % Moisture | 10.9 | |
| University of New Hampshire - Brito | | | | % Dry Matter | 89.1 | |
| COLSABSC-Rudman Hall | | | | % Crude Protein | 17.8 | 19.9 |
| 46 College Road | | | | % Adjusted Crude Protein | 17.8 | 19.9 |
| Durham, NH 03824 | | | | Soluble Protein % CP | | 17 |
| | | | | % ADF | 23.1 | 26.0 |
| | | | | % aNDF | 42.5 | 47.7 |
| | | | | % Lignin | 8.0 | 9.0 |
| | | | | % NFC | 8.3 | 9.3 |
| | | | | % Crude Fat, EE | 4.48 | 5.03 |
| | | | | % Ash | 16.08 | 18.05 |
| | | | | % Calcium | 3.78 | 4.24 |
| | | | | % Phosphorus | .93 | 1.04 |
| | | | | % Magnesium | .97 | 1.09 |
| | | | | % Potassium | .44 | .50 |
| | | | | % Sodium | .373 | .419 |
| | | | | PPM Iron | 964 | 1,080 |
| | | | | PPM Zinc | 444 | 498 |
| | | | | PPM Copper | 74 | 83 |
| | | | | PPM Manganese | 414 | 465 |
| | | | | PPM Molybdenum | 6.2 | 6.9 |
| | | | | % Sulfur | .41 | .46 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673360 |

8 MANURE
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

8 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 11.0 | |
| % Dry Matter | 89.0 | |
| % Crude Protein | 16.7 | 18.8 |
| % Adjusted Crude Protein | 16.7 | 18.8 |
| Soluble Protein % CP | | 17 |
| % ADF | 24.6 | 27.7 |
| % aNDF | 44.0 | 49.4 |
| % Lignin | 8.1 | 9.1 |
| % NFC | 6.9 | 7.8 |
| % Crude Fat, EE | 3.75 | 4.21 |
| % Ash | 17.59 | 19.77 |
| % Calcium | 3.76 | 4.23 |
| % Phosphorus | .97 | 1.09 |
| % Magnesium | 1.05 | 1.18 |
| % Potassium | .65 | .73 |
| % Sodium | .329 | .370 |
| PPM Iron | 1,070 | 1,200 |
| PPM Zinc | 466 | 524 |
| PPM Copper | 64 | 71 |
| PPM Manganese | 446 | 502 |
| PPM Molybdenum | 6.2 | 7.0 |
| % Sulfur | .84 | .94 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673370 |

9 MANURE
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

9 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 10.8 | |
| % Dry Matter | 89.2 | |
| % Crude Protein | 16.8 | 18.8 |
| % Adjusted Crude Protein | 16.8 | 18.8 |
| Soluble Protein % CP | | 24 |
| % ADF | 24.3 | 27.3 |
| % aNDF | 45.3 | 50.8 |
| % Lignin | 7.5 | 8.5 |
| % NFC | 6.8 | 7.7 |
| % Crude Fat, EE | 4.05 | 4.54 |
| % Ash | 16.20 | 18.17 |
| % Calcium | 3.36 | 3.77 |
| % Phosphorus | .88 | .99 |
| % Magnesium | .94 | 1.06 |
| % Potassium | .66 | .74 |
| % Sodium | .171 | .192 |
| PPM Iron | 976 | 1,090 |
| PPM Zinc | 578 | 647 |
| PPM Copper | 87 | 98 |
| PPM Manganese | 441 | 494 |
| PPM Molybdenum | 6.7 | 7.5 |
| % Sulfur | .83 | .93 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673390 |
| 11 MANURE | | | |

| | | | | Analysis Results | | |
|-------------------------------------|----------|----------|-------|--------------------------|--------|-------|
| Sampled | Recvd | Printed | ST CO | Components | As Fed | DM |
| | 06/18/21 | 06/25/21 | | | | |
| 11 MANURE | | | | % Moisture | 10.4 | |
| University of New Hampshire - Brito | | | | % Dry Matter | 89.6 | |
| COLSABSC-Rudman Hall | | | | % Crude Protein | 16.8 | 18.7 |
| 46 College Road | | | | % Adjusted Crude Protein | 16.8 | 18.7 |
| Durham, NH 03824 | | | | Soluble Protein % CP | | 22 |
| | | | | % ADF | 24.8 | 27.7 |
| | | | | % aNDF | 44.0 | 49.1 |
| | | | | % Lignin | 6.8 | 7.6 |
| | | | | % NFC | 9.7 | 10.8 |
| | | | | % Crude Fat, EE | 3.11 | 3.47 |
| | | | | % Ash | 16.07 | 17.93 |
| | | | | % Calcium | 3.53 | 3.94 |
| | | | | % Phosphorus | .95 | 1.06 |
| | | | | % Magnesium | 1.02 | 1.14 |
| | | | | % Potassium | .52 | .58 |
| | | | | % Sodium | .142 | .159 |
| | | | | PPM Iron | 928 | 1,030 |
| | | | | PPM Zinc | 564 | 630 |
| | | | | PPM Copper | 80 | 90 |
| | | | | PPM Manganese | 456 | 509 |
| | | | | PPM Molybdenum | 6.9 | 7.7 |
| | | | | % Sulfur | .70 | .79 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673400 |

12 MANURE
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

12 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 10.6 | |
| % Dry Matter | 89.5 | |
| % Crude Protein | 16.3 | 18.2 |
| % Adjusted Crude Protein | 16.3 | 18.2 |
| Soluble Protein % CP | | 16 |
| % ADF | 24.3 | 27.2 |
| % aNDF | 43.3 | 48.5 |
| % Lignin | 7.9 | 8.9 |
| % NFC | 12.2 | 13.6 |
| % Crude Fat, EE | 2.68 | 3.00 |
| % Ash | 14.93 | 16.69 |
| % Calcium | 2.97 | 3.33 |
| % Phosphorus | .76 | .85 |
| % Magnesium | .98 | 1.09 |
| % Potassium | .71 | .80 |
| % Sodium | .296 | .331 |
| PPM Iron | 866 | 968 |
| PPM Zinc | 552 | 617 |
| PPM Copper | 80 | 89 |
| PPM Manganese | 457 | 511 |
| PPM Molybdenum | 6.6 | 7.4 |
| % Sulfur | .94 | 1.05 |

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| Sample Description | Farm | Code | Sample |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673410 |

13 MANURE
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/25/21 | | |

13 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 10.5 | |
| % Dry Matter | 89.5 | |
| % Crude Protein | 17.2 | 19.2 |
| % Adjusted Crude Protein | 17.2 | 19.2 |
| Soluble Protein % CP | | 19 |
| % ADF | 23.0 | 25.7 |
| % aNDF | 41.9 | 46.8 |
| % Lignin | 7.9 | 8.9 |
| % NFC | 8.8 | 9.8 |
| % Crude Fat, EE | 3.29 | 3.68 |
| % Ash | 18.42 | 20.57 |
| % Calcium | 4.41 | 4.93 |
| % Phosphorus | .90 | 1.00 |
| % Magnesium | 1.08 | 1.20 |
| % Potassium | .39 | .44 |
| % Sodium | .425 | .474 |
| PPM Iron | 874 | 976 |
| PPM Zinc | 468 | 523 |
| PPM Copper | 87 | 97 |
| PPM Manganese | 424 | 473 |
| PPM Molybdenum | 6.7 | 7.5 |
| % Sulfur | .47 | .52 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***



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 |
|--------------------|------|------|----------|
| MANURE, MISC., Dry | | 655 | 27673430 |

| 15 MANURE

Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/25/21 | | |

| Components | As Fed | DM |
|------------|--------|----|
|------------|--------|----|

15 MANURE
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| | | |
|--------------------------|-------|-------|
| % Moisture | 11.7 | |
| % Dry Matter | 88.3 | |
| % Crude Protein | 16.8 | 19.0 |
| % Adjusted Crude Protein | 16.8 | 19.0 |
| Soluble Protein % CP | | 21 |
| % ADF | 24.3 | 27.6 |
| % aNDF | 46.5 | 52.6 |
| % Lignin | 7.7 | 8.7 |
| % NFC | 5.5 | 6.2 |
| % Crude Fat, EE | 3.54 | 4.01 |
| % Ash | 16.05 | 18.17 |
| % Calcium | 3.33 | 3.77 |
| % Phosphorus | .78 | .88 |
| % Magnesium | .94 | 1.07 |
| % Potassium | .64 | .72 |
| % Sodium | .447 | .506 |
| PPM Iron | 922 | 1,040 |
| PPM Zinc | 421 | 477 |
| PPM Copper | 62 | 70 |
| PPM Manganese | 327 | 370 |
| PPM Molybdenum | 6.4 | 7.3 |
| % Sulfur | .57 | .65 |

*** THE LAB WILL BE CLOSED
FRIDAY, JULY 2, 2021 ***

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 |
| MISC., Dry | | 660 | 27673230 |
| 27 OTHER | | | |

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/30/21 | | |

Analysis Results

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 13.9 | |
| % Dry Matter | 86.1 | |
| % Crude Protein | 11.2 | 13.0 |
| % Adjusted Crude Protein | 11.2 | 13.0 |
| Soluble Protein % CP | | 22 |
| % ADF | 6.8 | 7.9 |
| % aNDF | 33.3 | 38.6 |
| % Lignin | 1.9 | 2.3 |
| % NFC | 6.6 | 7.7 |
| % Crude Fat, EE | 2.12 | 2.47 |
| % Ash | 32.92 | 38.25 |
| % TDN | 34 | 40 |
| NEL, Mcal/Lb | .34 | .40 |
| NEM, Mcal/Lb | .22 | .26 |
| NEG, Mcal/Lb | .02 | .02 |
| % Calcium | 3.67 | 4.27 |
| % Phosphorus | .20 | .24 |
| % Magnesium | .81 | .95 |
| % Potassium | 2.10 | 2.44 |
| % Sodium | 3.809 | 4.425 |
| PPM Iron | 1,510 | 1,750 |
| PPM Zinc | 46 | 53 |
| PPM Copper | < 1 | 1 |
| PPM Manganese | 87 | 101 |
| PPM Molybdenum | .7 | .8 |
| % Sulfur | 4.74 | 5.51 |

27 OTHER
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

ENERGY TABLE - NRC 2001

| | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X | 0.86 | 1.90 |
| ME, 1X | 0.67 | 1.47 |
| NEL, 3X | 0.34 | 0.76 |
| NEM, 3X | 0.33 | 0.72 |
| NEG, 3X | 0.08 | 0.18 |
| TDN1X, % | 41 | |

COMMENTS:

1. THIS SAMPLE WAS TESTED TWICE FOR NEUTRAL DETERGENT FIBER TO CONFIRM THE VALUE LISTED.

*** THE LAB WILL BE CLOSED
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------------|--|--------|--------|----------|
| MISC., Dry | | | 660 | 28802450 |
| DRY AE | | | | |
| Analysis Results | | | | |
| Components | | As Fed | DM | |
| % Moisture | | 16.9 | | |
| % Dry Matter | | 83.1 | | |
| % Crude Protein | | 12.6 | 15.2 | |
| % Available Protein | | 8.9 | 10.7 | |
| % ADICP | | 3.8 | 4.5 | |
| % Adjusted Crude Protein | | 9.7 | 11.7 | |
| Soluble Protein % CP | | | 18 | |
| % NDICP | | 6.7 | 8.0 | |
| % ADF | | 17.7 | 21.3 | |
| % aNDFom | | 18.9 | 22.7 | |
| % Lignin | | 12.1 | 14.5 | |
| % NFC | | 23.0 | 27.7 | |
| % Starch | | .3 | .3 | |
| % ESC (Simple Sugars) | | 1.4 | 1.6 | |
| % Crude Fat, EE | | .91 | 1.10 | |
| % Total Fatty Acids | | 1.52 | 1.83 | |
| % RUFAL | | .42 | .50 | |
| % Ash | | 27.70 | 33.34 | |
| % TDN | | 35 | 42 | |
| NEL, Mcal/Lb | | .34 | .41 | |
| NEM, Mcal/Lb | | .24 | .29 | |
| NEG, Mcal/Lb | | .04 | .05 | |
| % Calcium | | .86 | 1.03 | |
| % Phosphorus | | .44 | .53 | |
| % Magnesium | | .62 | .74 | |
| % Potassium | | 7.36 | 8.86 | |
| % Sodium | | 3.117 | 3.751 | |
| PPM Iron | | 882 | 1,060 | |
| PPM Zinc | | 20 | 24 | |
| PPM Copper | | 2 | 3 | |
| PPM Manganese | | 15 | 18 | |
| PPM Molybdenum | | < 0.1 | < 0.1 | |
| % Sulfur | | .94 | 1.13 | |
| % Chloride Ion | | 9.41 | 11.32 | |
| DCAD, mEq/100g | | | 0 | |
| ppm Iodine, Total | | 207.27 | 249.45 | |

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 09/27/22 | 10/13/22 | | |

DRY AE
 University of Vermont - Greenwood
 Dept of Animal & Veterinary Science
 303 Terrill Building
 Burlington, VT 05405

ENERGY TABLE - NRC 2001

| | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X | 0.87 | 1.93 |
| ME, 1X | 0.68 | 1.50 |
| NEL, 3X | 0.35 | 0.77 |
| NEM, 3X | 0.34 | 0.74 |
| NEG, 3X | 0.09 | 0.21 |
| TDN1X, % | 42 | |

COMMENTS:

1. THIS SAMPLE WAS TESTED TWICE FOR LIGNIN, ACID DETERGENT FIBER, ANDFOM AND CHLORIDE TO CONFIRM THE VALUES LISTED.

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 |
|--------------------|------|------|----------|
| TMR | | 385D | 27672980 |

2 TMR
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

2 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 9.0 | |
| % Dry Matter | 91.0 | |
| % Crude Protein | 13.7 | 15.0 |
| % Adjusted Crude Protein | 13.7 | 15.0 |
| Soluble Protein % CP | | 30 |
| % ADF | 26.6 | 29.2 |
| % aNDF | 43.5 | 47.9 |
| % Lignin | 3.5 | 3.9 |
| % NFC | 21.9 | 24.1 |
| % Crude Fat, EE | 4.56 | 5.01 |
| % Ash | 7.28 | 8.00 |
| % TDN | 61 | 68 |
| NEL, Mcal/Lb | .65 | .72 |
| NEM, Mcal/Lb | .63 | .70 |
| NEG, Mcal/Lb | .39 | .43 |
| % Calcium | .75 | .82 |
| % Phosphorus | .34 | .37 |
| % Magnesium | .31 | .34 |
| % Potassium | 1.56 | 1.72 |
| % Sodium | .306 | .336 |
| PPM Iron | 215 | 236 |
| PPM Zinc | 65 | 72 |
| PPM Copper | 8 | 9 |
| PPM Manganese | 43 | 47 |
| PPM Molybdenum | 1.9 | 2.0 |
| % Sulfur | .29 | .32 |
| Horse DE, Mcal/Lb | 1.12 | 1.23 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| TMR | | 385D | 27672990 |

3 TMR
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

3 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 8.7 | |
| % Dry Matter | 91.4 | |
| % Crude Protein | 13.7 | 15.0 |
| % Adjusted Crude Protein | 13.7 | 15.0 |
| Soluble Protein % CP | | 27 |
| % ADF | 25.9 | 28.3 |
| % aNDF | 44.7 | 48.9 |
| % Lignin | 2.9 | 3.2 |
| % NFC | 21.5 | 23.5 |
| % Crude Fat, EE | 4.34 | 4.75 |
| % Ash | 7.13 | 7.80 |
| % TDN | 62 | 68 |
| NEL, Mcal/Lb | .66 | .73 |
| NEM, Mcal/Lb | .64 | .70 |
| NEG, Mcal/Lb | .39 | .43 |
| % Calcium | .81 | .88 |
| % Phosphorus | .33 | .37 |
| % Magnesium | .24 | .26 |
| % Potassium | 1.46 | 1.60 |
| % Sodium | .349 | .382 |
| PPM Iron | 138 | 151 |
| PPM Zinc | 180 | 197 |
| PPM Copper | 29 | 31 |
| PPM Manganese | 126 | 138 |
| PPM Molybdenum | 1.9 | 2.1 |
| % Sulfur | .22 | .24 |
| Horse DE, Mcal/Lb | 1.11 | 1.22 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
| TMR | | 385D | 27673000 |

4 TMR
Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |

4 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 9.5 | |
| % Dry Matter | 90.5 | |
| % Crude Protein | 12.2 | 13.4 |
| % Adjusted Crude Protein | 12.2 | 13.4 |
| Soluble Protein % CP | | 28 |
| % ADF | 23.8 | 26.3 |
| % aNDF | 40.0 | 44.2 |
| % Lignin | 3.5 | 3.8 |
| % NFC | 23.5 | 25.9 |
| % Crude Fat, EE | 4.11 | 4.54 |
| % Ash | 10.76 | 11.89 |
| % TDN | 58 | 64 |
| NEL, Mcal/Lb | .62 | .68 |
| NEM, Mcal/Lb | .59 | .65 |
| NEG, Mcal/Lb | .35 | .38 |
| % Calcium | 1.00 | 1.10 |
| % Phosphorus | .30 | .33 |
| % Magnesium | .29 | .32 |
| % Potassium | 1.55 | 1.72 |
| % Sodium | .734 | .811 |
| PPM Iron | 250 | 276 |
| PPM Zinc | 188 | 207 |
| PPM Copper | 27 | 30 |
| PPM Manganese | 114 | 126 |
| PPM Molybdenum | 2.3 | 2.6 |
| % Sulfur | .84 | .93 |
| Horse DE, Mcal/Lb | 1.16 | 1.28 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| TMR | | 385D | 27673010 |

5 TMR
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

5 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 9.1 | |
| % Dry Matter | 90.9 | |
| % Crude Protein | 14.3 | 15.8 |
| % Adjusted Crude Protein | 14.3 | 15.8 |
| Soluble Protein % CP | | 27 |
| % ADF | 27.7 | 30.4 |
| % aNDF | 45.5 | 50.1 |
| % Lignin | 3.9 | 4.3 |
| % NFC | 19.2 | 21.1 |
| % Crude Fat, EE | 4.74 | 5.21 |
| % Ash | 7.15 | 7.87 |
| % TDN | 61 | 67 |
| NEL, Mcal/Lb | .65 | .71 |
| NEM, Mcal/Lb | .62 | .68 |
| NEG, Mcal/Lb | .38 | .41 |
| % Calcium | .76 | .84 |
| % Phosphorus | .35 | .39 |
| % Magnesium | .27 | .30 |
| % Potassium | 1.62 | 1.78 |
| % Sodium | .239 | .263 |
| PPM Iron | 166 | 183 |
| PPM Zinc | 82 | 90 |
| PPM Copper | 12 | 13 |
| PPM Manganese | 62 | 68 |
| PPM Molybdenum | 2.0 | 2.2 |
| % Sulfur | .26 | .28 |
| Horse DE, Mcal/Lb | 1.09 | 1.20 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
| TMR | | 385D | 27673020 |

6 TMR
Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |

6 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 8.8 | |
| % Dry Matter | 91.2 | |
| % Crude Protein | 14.3 | 15.7 |
| % Adjusted Crude Protein | 14.3 | 15.7 |
| Soluble Protein % CP | | 27 |
| % ADF | 22.1 | 24.3 |
| % aNDF | 37.7 | 41.3 |
| % Lignin | 2.5 | 2.7 |
| % NFC | 26.2 | 28.8 |
| % Crude Fat, EE | 4.53 | 4.97 |
| % Ash | 8.42 | 9.23 |
| % TDN | 64 | 70 |
| NEL, Mcal/Lb | .68 | .75 |
| NEM, Mcal/Lb | .67 | .74 |
| NEG, Mcal/Lb | .42 | .46 |
| % Calcium | .95 | 1.05 |
| % Phosphorus | .36 | .39 |
| % Magnesium | .31 | .35 |
| % Potassium | 1.45 | 1.59 |
| % Sodium | .405 | .444 |
| PPM Iron | 216 | 237 |
| PPM Zinc | 221 | 243 |
| PPM Copper | 25 | 27 |
| PPM Manganese | 156 | 171 |
| PPM Molybdenum | 1.9 | 2.1 |
| % Sulfur | .35 | .39 |
| Horse DE, Mcal/Lb | 1.20 | 1.31 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
| TMR | | 385D | 27673030 |

7 TMR
Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |

7 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 9.2 | |
| % Dry Matter | 90.8 | |
| % Crude Protein | 13.3 | 14.7 |
| % Adjusted Crude Protein | 13.3 | 14.7 |
| Soluble Protein % CP | | 25 |
| % ADF | 22.5 | 24.8 |
| % aNDF | 36.5 | 40.2 |
| % Lignin | 3.4 | 3.8 |
| % NFC | 26.8 | 29.5 |
| % Crude Fat, EE | 4.20 | 4.63 |
| % Ash | 10.00 | 11.01 |
| % TDN | 60 | 66 |
| NEL, Mcal/Lb | .64 | .70 |
| NEM, Mcal/Lb | .62 | .69 |
| NEG, Mcal/Lb | .38 | .42 |
| % Calcium | 1.06 | 1.17 |
| % Phosphorus | .34 | .37 |
| % Magnesium | .34 | .37 |
| % Potassium | 1.48 | 1.63 |
| % Sodium | .572 | .630 |
| PPM Iron | 320 | 353 |
| PPM Zinc | 234 | 257 |
| PPM Copper | 31 | 34 |
| PPM Manganese | 157 | 173 |
| PPM Molybdenum | 2.2 | 2.5 |
| % Sulfur | .70 | .77 |
| Horse DE, Mcal/Lb | 1.20 | 1.33 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|-------------------------------------|----------|--------------------------|------|----------|
| TMR | | | 385D | 27673040 |
| 8 TMR | | | | |
| Analysis Results | | | | |
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |
| Components | | As Fed | DM | |
| 8 TMR | | % Moisture | 8.9 | |
| University of New Hampshire - Brito | | % Dry Matter | 91.1 | |
| COLSABSC-Rudman Hall | | % Crude Protein | 14.3 | 15.7 |
| 46 College Road | | % Adjusted Crude Protein | 14.3 | 15.7 |
| Durham, NH 03824 | | Soluble Protein % CP | | 27 |
| | | % ADF | 25.7 | 28.1 |
| | | % aNDF | 44.4 | 48.7 |
| | | % Lignin | 3.3 | 3.6 |
| | | % NFC | 21.2 | 23.2 |
| | | % Crude Fat, EE | 4.86 | 5.34 |
| | | % Ash | 6.40 | 7.02 |
| | | % TDN | 63 | 69 |
| | | NEL, Mcal/Lb | .67 | .74 |
| | | NEM, Mcal/Lb | .66 | .72 |
| | | NEG, Mcal/Lb | .41 | .45 |
| | | % Calcium | .77 | .85 |
| | | % Phosphorus | .36 | .40 |
| | | % Magnesium | .28 | .31 |
| | | % Potassium | 1.58 | 1.74 |
| | | % Sodium | .193 | .212 |
| | | PPM Iron | 167 | 183 |
| | | PPM Zinc | 142 | 155 |
| | | PPM Copper | 14 | 15 |
| | | PPM Manganese | 84 | 92 |
| | | PPM Molybdenum | 1.9 | 2.1 |
| | | % Sulfur | .22 | .25 |
| | | Horse DE, Mcal/Lb | 1.11 | 1.22 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
| TMR | | 385D | 27673050 |

9 TMR
Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |

9 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 8.4 | |
| % Dry Matter | 91.6 | |
| % Crude Protein | 14.1 | 15.4 |
| % Adjusted Crude Protein | 14.1 | 15.4 |
| Soluble Protein % CP | | 28 |
| % ADF | 23.1 | 25.2 |
| % aNDF | 38.9 | 42.5 |
| % Lignin | 3.7 | 4.1 |
| % NFC | 26.8 | 29.3 |
| % Crude Fat, EE | 4.40 | 4.81 |
| % Ash | 7.37 | 8.05 |
| % TDN | 63 | 68 |
| NEL, Mcal/Lb | .67 | .73 |
| NEM, Mcal/Lb | .65 | .71 |
| NEG, Mcal/Lb | .40 | .44 |
| % Calcium | 1.02 | 1.11 |
| % Phosphorus | .35 | .39 |
| % Magnesium | .32 | .34 |
| % Potassium | 1.56 | 1.70 |
| % Sodium | .435 | .475 |
| PPM Iron | 286 | 312 |
| PPM Zinc | 128 | 140 |
| PPM Copper | 14 | 15 |
| PPM Manganese | 92 | 100 |
| PPM Molybdenum | 1.4 | 1.6 |
| % Sulfur | .58 | .64 |
| Horse DE, Mcal/Lb | 1.19 | 1.30 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|-------------------------------------|----------|--------------------------|------|----------|
| TMR | | | 385D | 27673060 |
| 10 TMR | | | | |
| Analysis Results | | | | |
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |
| Components | | As Fed | DM | |
| 10 TMR | | % Moisture | 8.9 | |
| University of New Hampshire - Brito | | % Dry Matter | 91.1 | |
| COLSABSC-Rudman Hall | | % Crude Protein | 13.0 | 14.3 |
| 46 College Road | | % Adjusted Crude Protein | 13.0 | 14.3 |
| Durham, NH 03824 | | Soluble Protein % CP | | 30 |
| | | % ADF | 26.7 | 29.3 |
| | | % aNDF | 46.0 | 50.5 |
| | | % Lignin | 3.9 | 4.3 |
| | | % NFC | 21.1 | 23.1 |
| | | % Crude Fat, EE | 4.78 | 5.25 |
| | | % Ash | 6.28 | 6.89 |
| | | % TDN | 62 | 68 |
| | | NEL, Mcal/Lb | .66 | .72 |
| | | NEM, Mcal/Lb | .63 | .70 |
| | | NEG, Mcal/Lb | .39 | .42 |
| | | % Calcium | .64 | .70 |
| | | % Phosphorus | .30 | .33 |
| | | % Magnesium | .23 | .25 |
| | | % Potassium | 1.56 | 1.71 |
| | | % Sodium | .321 | .353 |
| | | PPM Iron | 121 | 133 |
| | | PPM Zinc | 117 | 128 |
| | | PPM Copper | 7 | 8 |
| | | PPM Manganese | 64 | 70 |
| | | PPM Molybdenum | 2.5 | 2.8 |
| | | % Sulfur | .28 | .31 |
| | | Horse DE, Mcal/Lb | 1.10 | 1.20 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| TMR | | 385D | 27673070 |

11 TMR

Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

11 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 9.0 | |
| % Dry Matter | 91.0 | |
| % Crude Protein | 13.4 | 14.7 |
| % Adjusted Crude Protein | 13.4 | 14.7 |
| Soluble Protein % CP | | 35 |
| % ADF | 29.5 | 32.4 |
| % aNDF | 49.0 | 53.9 |
| % Lignin | 3.7 | 4.1 |
| % NFC | 17.5 | 19.3 |
| % Crude Fat, EE | 4.46 | 4.90 |
| % Ash | 6.64 | 7.29 |
| % TDN | 60 | 66 |
| NEL, Mcal/Lb | .64 | .70 |
| NEM, Mcal/Lb | .61 | .67 |
| NEG, Mcal/Lb | .36 | .40 |
| % Calcium | .65 | .72 |
| % Phosphorus | .32 | .35 |
| % Magnesium | .22 | .24 |
| % Potassium | 1.54 | 1.69 |
| % Sodium | .301 | .331 |
| PPM Iron | 145 | 159 |
| PPM Zinc | 82 | 90 |
| PPM Copper | 12 | 13 |
| PPM Manganese | 50 | 55 |
| PPM Molybdenum | 2.0 | 2.2 |
| % Sulfur | .31 | .34 |
| Horse DE, Mcal/Lb | 1.05 | 1.16 |

*** THE LAB WILL BE CLOSED

FRIDAY, JULY 2, 2021 ***

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 |
| TMR | | 385D | 27673080 |

12 TMR

Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |

12 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 9.0 | |
| % Dry Matter | 91.0 | |
| % Crude Protein | 12.7 | 14.0 |
| % Adjusted Crude Protein | 12.7 | 14.0 |
| Soluble Protein % CP | | 30 |
| % ADF | 28.3 | 31.1 |
| % aNDF | 44.1 | 48.4 |
| % Lignin | 3.8 | 4.2 |
| % NFC | 22.4 | 24.6 |
| % Crude Fat, EE | 4.31 | 4.74 |
| % Ash | 7.49 | 8.23 |
| % TDN | 60 | 66 |
| NEL, Mcal/Lb | .64 | .71 |
| NEM, Mcal/Lb | .62 | .68 |
| NEG, Mcal/Lb | .37 | .41 |
| % Calcium | .78 | .86 |
| % Phosphorus | .31 | .34 |
| % Magnesium | .25 | .28 |
| % Potassium | 1.55 | 1.70 |
| % Sodium | .432 | .474 |
| PPM Iron | 145 | 159 |
| PPM Zinc | 146 | 160 |
| PPM Copper | 17 | 19 |
| PPM Manganese | 96 | 106 |
| PPM Molybdenum | 1.5 | 1.7 |
| % Sulfur | .31 | .35 |
| Horse DE, Mcal/Lb | 1.11 | 1.22 |

*** THE LAB WILL BE CLOSED

FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| TMR | | 385D | 27673090 |

13 TMR
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

13 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 8.8 | |
| % Dry Matter | 91.2 | |
| % Crude Protein | 12.4 | 13.6 |
| % Adjusted Crude Protein | 12.4 | 13.6 |
| Soluble Protein % CP | | 28 |
| % ADF | 28.0 | 30.7 |
| % aNDF | 47.8 | 52.5 |
| % Lignin | 3.1 | 3.4 |
| % NFC | 19.8 | 21.7 |
| % Crude Fat, EE | 4.12 | 4.52 |
| % Ash | 7.05 | 7.74 |
| % TDN | 61 | 67 |
| NEL, Mcal/Lb | .65 | .71 |
| NEM, Mcal/Lb | .62 | .68 |
| NEG, Mcal/Lb | .37 | .41 |
| % Calcium | .77 | .84 |
| % Phosphorus | .30 | .33 |
| % Magnesium | .24 | .27 |
| % Potassium | 1.62 | 1.77 |
| % Sodium | .439 | .482 |
| PPM Iron | 139 | 152 |
| PPM Zinc | 161 | 176 |
| PPM Copper | 21 | 23 |
| PPM Manganese | 88 | 96 |
| PPM Molybdenum | 2.4 | 2.6 |
| % Sulfur | .38 | .42 |
| Horse DE, Mcal/Lb | 1.08 | 1.18 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|-------------------------------------|----------|--------------------------|------|----------|
| TMR | | | 385D | 27673100 |
| 14 TMR | | | | |
| Analysis Results | | | | |
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |
| Components | | As Fed | DM | |
| 14 TMR | | % Moisture | 8.2 | |
| University of New Hampshire - Brito | | % Dry Matter | 91.8 | |
| COLSABSC-Rudman Hall | | % Crude Protein | 12.8 | 14.0 |
| 46 College Road | | % Adjusted Crude Protein | 12.8 | 14.0 |
| Durham, NH 03824 | | Soluble Protein % CP | | 33 |
| | | % ADF | 28.4 | 31.0 |
| | | % aNDF | 49.8 | 54.2 |
| | | % Lignin | 3.1 | 3.4 |
| | | % NFC | 18.0 | 19.6 |
| | | % Crude Fat, EE | 4.01 | 4.37 |
| | | % Ash | 7.11 | 7.74 |
| | | % TDN | 61 | 66 |
| | | NEL, Mcal/Lb | .64 | .70 |
| | | NEM, Mcal/Lb | .61 | .66 |
| | | NEG, Mcal/Lb | .36 | .40 |
| | | % Calcium | .67 | .73 |
| | | % Phosphorus | .32 | .35 |
| | | % Magnesium | .24 | .26 |
| | | % Potassium | 1.57 | 1.72 |
| | | % Sodium | .399 | .435 |
| | | PPM Iron | 171 | 186 |
| | | PPM Zinc | 106 | 115 |
| | | PPM Copper | 12 | 13 |
| | | PPM Manganese | 68 | 74 |
| | | PPM Molybdenum | 2.1 | 2.3 |
| | | % Sulfur | .38 | .42 |
| | | Horse DE, Mcal/Lb | 1.06 | 1.16 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
| TMR | | 385D | 27673110 |

15 TMR

Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |

15 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 8.5 | |
| % Dry Matter | 91.5 | |
| % Crude Protein | 14.4 | 15.7 |
| % Adjusted Crude Protein | 14.4 | 15.7 |
| Soluble Protein % CP | | 27 |
| % ADF | 22.6 | 24.6 |
| % aNDF | 38.3 | 41.9 |
| % Lignin | 3.3 | 3.6 |
| % NFC | 25.1 | 27.4 |
| % Crude Fat, EE | 4.14 | 4.52 |
| % Ash | 9.66 | 10.55 |
| % TDN | 61 | 66 |
| NEL, Mcal/Lb | .64 | .70 |
| NEM, Mcal/Lb | .63 | .68 |
| NEG, Mcal/Lb | .38 | .42 |
| % Calcium | 1.13 | 1.23 |
| % Phosphorus | .36 | .40 |
| % Magnesium | .31 | .34 |
| % Potassium | 1.50 | 1.64 |
| % Sodium | .621 | .679 |
| PPM Iron | 284 | 310 |
| PPM Zinc | 155 | 169 |
| PPM Copper | 19 | 20 |
| PPM Manganese | 105 | 115 |
| PPM Molybdenum | 1.4 | 1.5 |
| % Sulfur | .66 | .72 |
| Horse DE, Mcal/Lb | 1.19 | 1.30 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| TMR | | 385D | 27673120 |

16 TMR
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

16 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 8.5 | |
| % Dry Matter | 91.5 | |
| % Crude Protein | 12.4 | 13.5 |
| % Adjusted Crude Protein | 12.4 | 13.5 |
| Soluble Protein % CP | | 30 |
| % ADF | 23.9 | 26.1 |
| % aNDF | 42.5 | 46.4 |
| % Lignin | 2.9 | 3.2 |
| % NFC | 23.8 | 26.0 |
| % Crude Fat, EE | 3.74 | 4.08 |
| % Ash | 9.12 | 9.97 |
| % TDN | 60 | 66 |
| NEL, Mcal/Lb | .64 | .70 |
| NEM, Mcal/Lb | .61 | .67 |
| NEG, Mcal/Lb | .37 | .40 |
| % Calcium | .98 | 1.07 |
| % Phosphorus | .31 | .34 |
| % Magnesium | .29 | .32 |
| % Potassium | 1.57 | 1.71 |
| % Sodium | .617 | .675 |
| PPM Iron | 271 | 296 |
| PPM Zinc | 197 | 215 |
| PPM Copper | 37 | 40 |
| PPM Manganese | 113 | 123 |
| PPM Molybdenum | 2.4 | 2.6 |
| % Sulfur | .66 | .72 |
| Horse DE, Mcal/Lb | 1.15 | 1.26 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
| TMR | | 385D | 27673130 |

17 TMR

Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |

17 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 8.2 | |
| % Dry Matter | 91.8 | |
| % Crude Protein | 12.1 | 13.2 |
| % Adjusted Crude Protein | 12.1 | 13.2 |
| Soluble Protein % CP | | 26 |
| % ADF | 27.3 | 29.7 |
| % aNDF | 45.0 | 49.0 |
| % Lignin | 3.1 | 3.4 |
| % NFC | 23.3 | 25.3 |
| % Crude Fat, EE | 3.37 | 3.67 |
| % Ash | 8.10 | 8.82 |
| % TDN | 60 | 66 |
| NEL, Mcal/Lb | .63 | .69 |
| NEM, Mcal/Lb | .60 | .66 |
| NEG, Mcal/Lb | .36 | .39 |
| % Calcium | .67 | .73 |
| % Phosphorus | .32 | .34 |
| % Magnesium | .26 | .29 |
| % Potassium | 1.50 | 1.64 |
| % Sodium | .503 | .548 |
| PPM Iron | 245 | 267 |
| PPM Zinc | 108 | 118 |
| PPM Copper | 9 | 10 |
| PPM Manganese | 91 | 99 |
| PPM Molybdenum | 1.8 | 1.9 |
| % Sulfur | .60 | .65 |
| Horse DE, Mcal/Lb | 1.12 | 1.22 |

*** THE LAB WILL BE CLOSED

FRIDAY, JULY 2, 2021 ***

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 |
| TMR | | 385D | 27673140 |

18 TMR
Analysis Results

| | | | | |
|---------|----------|----------|----|----|
| Sampled | Recvd | Printed | ST | CO |
| | 06/18/21 | 06/24/21 | | |

18 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| Components | As Fed | DM |
|--------------------------|--------|-------|
| % Moisture | 8.0 | |
| % Dry Matter | 92.0 | |
| % Crude Protein | 12.3 | 13.3 |
| % Adjusted Crude Protein | 12.3 | 13.3 |
| Soluble Protein % CP | | 28 |
| % ADF | 27.0 | 29.4 |
| % aNDF | 37.7 | 41.0 |
| % Lignin | 4.4 | 4.8 |
| % NFC | 26.7 | 29.0 |
| % Crude Fat, EE | 3.35 | 3.64 |
| % Ash | 12.04 | 13.08 |
| % TDN | 56 | 61 |
| NEL, Mcal/Lb | .59 | .64 |
| NEM, Mcal/Lb | .56 | .60 |
| NEG, Mcal/Lb | .32 | .34 |
| % Calcium | .89 | .97 |
| % Phosphorus | .27 | .29 |
| % Magnesium | .37 | .41 |
| % Potassium | 1.72 | 1.87 |
| % Sodium | .876 | .953 |
| PPM Iron | 203 | 220 |
| PPM Zinc | 147 | 160 |
| PPM Copper | 16 | 18 |
| PPM Manganese | 107 | 116 |
| PPM Molybdenum | 1.3 | 1.4 |
| % Sulfur | 1.33 | 1.44 |
| Horse DE, Mcal/Lb | 1.21 | 1.31 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| GRAIN MIX, Dry | | 646 | 27673150 |

19 GRAIN
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

19 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

ENERGY TABLE - NRC 2001

| | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X | 1.72 | 3.79 |
| ME, 1X | 1.54 | 3.40 |
| NEL, 3X | 0.93 | 2.04 |
| NEM, 3X | 0.96 | 2.12 |
| NEG, 3X | 0.66 | 1.45 |
| TDN1X, % | 84 | |

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 6.3 | |
| % Dry Matter | 93.7 | |
| % Crude Protein | 17.4 | 18.6 |
| % Adjusted Crude Protein | 17.4 | 18.6 |
| Soluble Protein % CP | | 14 |
| % ADF | 3.9 | 4.2 |
| % aNDF | 10.8 | 11.5 |
| % Lignin | .9 | 1.0 |
| % NFC | 52.1 | 55.6 |
| % Crude Fat, EE | 5.77 | 6.16 |
| % Ash | 7.63 | 8.14 |
| % TDN | 79 | 84 |
| NEL, Mcal/Lb | .85 | .91 |
| NEM, Mcal/Lb | .90 | .96 |
| NEG, Mcal/Lb | .62 | .66 |
| % Calcium | 1.23 | 1.31 |
| % Phosphorus | .63 | .67 |
| % Magnesium | .53 | .57 |
| % Potassium | .86 | .92 |
| % Sodium | .472 | .504 |
| PPM Iron | 414 | 441 |
| PPM Zinc | 41 | 44 |
| PPM Copper | 3 | 3 |
| PPM Manganese | 30 | 32 |
| PPM Molybdenum | 1.6 | 1.7 |
| % Sulfur | .29 | .31 |
| Horse DE, Mcal/Lb | 1.49 | 1.59 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| GRAIN MIX, Dry | | 646 | 27673160 |

20 GRAIN
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

20 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

ENERGY TABLE - NRC 2001

| | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X | 1.72 | 3.78 |
| ME, 1X | 1.54 | 3.39 |
| NEL, 3X | 0.92 | 2.04 |
| NEM, 3X | 0.96 | 2.12 |
| NEG, 3X | 0.66 | 1.45 |
| TDN1X, % | 84 | |

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 5.7 | |
| % Dry Matter | 94.3 | |
| % Crude Protein | 18.0 | 19.0 |
| % Adjusted Crude Protein | 18.0 | 19.0 |
| Soluble Protein % CP | | 16 |
| % ADF | 5.1 | 5.4 |
| % aNDF | 10.9 | 11.6 |
| % Lignin | 1.1 | 1.2 |
| % NFC | 51.9 | 55.0 |
| % Crude Fat, EE | 5.80 | 6.15 |
| % Ash | 7.76 | 8.23 |
| % TDN | 79 | 84 |
| NEL, Mcal/Lb | .85 | .90 |
| NEM, Mcal/Lb | .90 | .96 |
| NEG, Mcal/Lb | .62 | .65 |
| % Calcium | 1.27 | 1.35 |
| % Phosphorus | .64 | .67 |
| % Magnesium | .57 | .60 |
| % Potassium | .86 | .91 |
| % Sodium | .463 | .491 |
| PPM Iron | 396 | 420 |
| PPM Zinc | 41 | 43 |
| PPM Copper | 5 | 5 |
| PPM Manganese | 31 | 33 |
| PPM Molybdenum | 1.4 | 1.4 |
| % Sulfur | .29 | .31 |
| Horse DE, Mcal/Lb | 1.49 | 1.58 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| GRAIN MIX, Dry | | 646 | 27673170 |
| 21 GRAIN | | | |

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

| Analysis Results | | |
|------------------|--------|----|
| Components | As Fed | DM |

21 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

| | | |
|--------------------------|------|------|
| % Moisture | 10.2 | |
| % Dry Matter | 89.8 | |
| % Crude Protein | 17.8 | 19.9 |
| % Adjusted Crude Protein | 17.8 | 19.9 |
| Soluble Protein % CP | | 12 |
| % ADF | 4.1 | 4.5 |
| % aNDF | 10.0 | 11.2 |
| % Lignin | 1.1 | 1.2 |
| % NFC | 48.8 | 54.3 |
| % Crude Fat, EE | 5.70 | 6.35 |
| % Ash | 7.45 | 8.29 |
| % TDN | 75 | 84 |
| NEL, Mcal/Lb | .82 | .91 |
| NEM, Mcal/Lb | .86 | .96 |
| NEG, Mcal/Lb | .59 | .66 |
| % Calcium | 1.20 | 1.33 |
| % Phosphorus | .61 | .68 |
| % Magnesium | .55 | .62 |
| % Potassium | .87 | .97 |
| % Sodium | .467 | .520 |
| PPM Iron | 386 | 430 |
| PPM Zinc | 52 | 58 |
| PPM Copper | 5 | 5 |
| PPM Manganese | 33 | 36 |
| PPM Molybdenum | 1.6 | 1.7 |
| % Sulfur | .29 | .33 |
| Horse DE, Mcal/Lb | 1.43 | 1.59 |

ENERGY TABLE - NRC 2001

| | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X | 1.73 | 3.81 |
| ME, 1X | 1.55 | 3.41 |
| NEL, 3X | 0.93 | 2.05 |
| NEM, 3X | 0.97 | 2.13 |
| NEG, 3X | 0.66 | 1.46 |
| TDN1X, % | 84 | |

*** THE LAB WILL BE CLOSED
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| GRAIN MIX, Dry | | 646 | 27673260 |

30 GRAIN
Analysis Results

| Sampled | Recvd | Printed | ST | CO |
|---------|----------|----------|----|----|
| | 06/18/21 | 06/24/21 | | |

30 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

ENERGY TABLE - NRC 2001

| | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X | 1.61 | 3.54 |
| ME, 1X | 1.42 | 3.13 |
| NEL, 3X | 0.84 | 1.86 |
| NEM, 3X | 0.89 | 1.95 |
| NEG, 3X | 0.59 | 1.30 |
| TDN1X, % | 78 | |

| Components | As Fed | DM |
|--------------------------|--------|------|
| % Moisture | 9.1 | |
| % Dry Matter | 91.0 | |
| % Crude Protein | 17.3 | 19.0 |
| % Adjusted Crude Protein | 17.3 | 19.0 |
| Soluble Protein % CP | | 10 |
| % ADF | 6.5 | 7.2 |
| % aNDF | 16.2 | 17.8 |
| % Lignin | 1.4 | 1.6 |
| % NFC | 44.9 | 49.4 |
| % Crude Fat, EE | 3.90 | 4.29 |
| % Ash | 8.59 | 9.45 |
| % TDN | 71 | 78 |
| NEL, Mcal/Lb | .75 | .83 |
| NEM, Mcal/Lb | .78 | .86 |
| NEG, Mcal/Lb | .52 | .57 |
| % Calcium | 1.27 | 1.40 |
| % Phosphorus | .50 | .55 |
| % Magnesium | .53 | .59 |
| % Potassium | .88 | .97 |
| % Sodium | .812 | .893 |
| PPM Iron | 428 | 471 |
| PPM Zinc | 167 | 183 |
| PPM Copper | 19 | 21 |
| PPM Manganese | 129 | 141 |
| PPM Molybdenum | 1.6 | 1.7 |
| % Sulfur | .27 | .30 |
| Horse DE, Mcal/Lb | 1.32 | 1.45 |

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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 |
|--------------------|------|------|----------|
| GRAIN MIX, Dry | | 646 | 27673270 |
| 31 GRAIN | | | |

| Analysis Results | | | |
|--------------------------|----------|----------|-------|
| Sampled | Recvd | Printed | ST CO |
| | 06/18/21 | 06/24/21 | |
| Components | | As Fed | DM |
| 31 GRAIN | | | |
| % Moisture | | 8.4 | |
| % Dry Matter | | 91.6 | |
| % Crude Protein | | 17.6 | 19.3 |
| % Adjusted Crude Protein | | 17.6 | 19.3 |
| Soluble Protein % CP | | | 10 |
| % ADF | | 6.3 | 6.9 |
| % aNDF | | 15.9 | 17.4 |
| % Lignin | | 1.4 | 1.5 |
| % NFC | | 45.0 | 49.2 |
| % Crude Fat, EE | | 4.16 | 4.54 |
| % Ash | | 8.78 | 9.59 |
| % TDN | | 71 | 78 |
| NEL, Mcal/Lb | | .76 | .83 |
| NEM, Mcal/Lb | | .80 | .87 |
| NEG, Mcal/Lb | | .53 | .58 |
| % Calcium | | 1.27 | 1.38 |
| % Phosphorus | | .50 | .55 |
| % Magnesium | | .54 | .59 |
| % Potassium | | .88 | .96 |
| % Sodium | | .796 | .869 |
| PPM Iron | | 449 | 490 |
| PPM Zinc | | 168 | 183 |
| PPM Copper | | 17 | 19 |
| PPM Manganese | | 125 | 136 |
| PPM Molybdenum | | 1.3 | 1.5 |
| % Sulfur | | .26 | .28 |
| Horse DE, Mcal/Lb | | 1.33 | 1.46 |

ENERGY TABLE - NRC 2001

| | Mcal/Lb | Mcal/Kg |
|----------|---------|---------|
| DE, 1X | 1.61 | 3.56 |
| ME, 1X | 1.43 | 3.15 |
| NEL, 3X | 0.85 | 1.87 |
| NEM, 3X | 0.89 | 1.96 |
| NEG, 3X | 0.60 | 1.32 |
| TDN1X, % | 79 | |

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