

S & S AG  
100 GRONINGER VALLEY RD  
MIFFLIN PA 17058

ACCOUNT NO: 49942  
SALESMAN: KEITH HERSHEY

| =====         |        | SAMPLE NO.   | =====        | DATE ANALYZED | ===== |
|---------------|--------|--------------|--------------|---------------|-------|
| BALAGE C      |        | 1445452      |              | 06/14/18      |       |
| -----         |        |              |              |               |       |
| MOISTURE      | 32.67% | DRY MATTER   | 67.33%       |               |       |
| CRUDE PROT    | 15.13% | CALCIUM      | 0.76%        |               |       |
| SOLUBLE PROT  | 31.12% | PHOSPHORUS   | 0.14%        |               |       |
|               |        | MAGNESIUM    | 0.16%        |               |       |
| ADF           | 37.00% | POTASSIUM    | 2.63%        |               |       |
| NDF           | 56.05% | CHLORIDE     | 0.30%        |               |       |
|               |        | SULFUR       | 0.11%        |               |       |
|               |        | SODIUM       | 0.01%        |               |       |
| ADIP (HD)     | 1.97%  |              |              |               |       |
| NDIP          | 5.28%  | ZINC         | 29 PPM       |               |       |
|               |        | COPPER       | 8 PPM        |               |       |
| LIGNIN        | 7.75%  | IRON         | 214 PPM      |               |       |
| FAT           | 1.40%  | MANGANESE    | 132 PPM      |               |       |
| ASH           | 6.74%  |              |              |               |       |
|               |        | CALCULATIONS |              |               |       |
| IVDMD         | 60.94% | NFC          | 25.97        |               |       |
| NDFD-30       | 50.79% | NEL          | 0.62 MCAL/LB |               |       |
|               |        | NEM          | 0.53 MCAL/LB |               |       |
| PH            | 4.9    | NEG          | 0.28 MCAL/LB |               |       |
| LACTIC ACID   | 0.00%  | TDN          | 60           |               |       |
| ACETIC ACID   | 0.00%  |              |              |               |       |
| BUTYRIC ACID  | 0.00%  | RFV          | 99           |               |       |
|               |        | RFQ          | 118.2        |               |       |
| NITRATE-N PPM | 47     |              |              |               |       |

-----  
ALL VALUES, EXCEPT MOISTURE, ARE ON A 100% DRY MATTER BASIS.

