



| Standard Analysis | % DM |
|-------------------|------|
| Moisture          | 5.7  |
| Dry Matter        | 94.3 |
| Nitrogen          | 14.3 |
| Crude Protein*    | 89.5 |
| Soluble Protein   | 40.1 |
| Ammonia           | —    |
| NDICP             | 5.0  |
| ADICP             | 5.0  |
| Crude Fiber       | 0.2  |
| NDF               | —    |
| ADF               | —    |
| Lignin            | —    |
| Total VFA         | —    |
| Lactic            | —    |
| Acetic            | —    |
| Sugar             | —    |
| Starch            | —    |
| Soluble Fiber     | —    |

| Protein Bio-Availability | % DM |
|--------------------------|------|
| RUP % CP                 | 92.8 |
| RUPd % RUP               | 90.5 |
| dRUP-Lys % DM            | 6.7  |
| dRUP-Meth % DM           | 4.2  |
| dRUP-EAA % DM            | 45.4 |

\* Crude Protein is determined by analysis of N content multiplied x 6.25. Some confusion on the %CP of protected amino acids stems from the fact that different amino acids have different N content and thus the coefficient of 6.25 does not accurately reflect the protein value of a protected amino acid product.

For example, methionine is only 9.4% N, while lysine is 19.2% N and the average for all amino acids is 16.0% N. Thus, a product containing 50% methionine would be calculated to have 50% CP when it actually has 28.8% CP.

To accurately reflect the analytical CP value for our products as extrapolated by total N content, **Perdue AgriBusiness** downgrades CP values for protected methionine.

† **SPECTRUM AgriBlue** is formulated to provide guaranteed methionine and lysine on a dRUP basis. Based on multi-sourcing of protected amino acid products with known differences in bypass methionine delivery, raw assay of methionine and lysine may vary. For example, a lower RUP and RUPd protected methionine product would dictate increased inclusion rate and therefore an increased raw methionine composition.

| Macro Mineral | % DM |
|---------------|------|
| Ash           | 5.6  |
| Calcium       | 0.5  |
| Phosphorus    | 0.3  |
| Magnesium     | —    |
| Potassium     | —    |
| Sulfur        | 2.2  |
| Sodium        | 0.7  |
| Chloride      | 0.7  |

| Trace Mineral | ppm   |
|---------------|-------|
| Iron          | 2,273 |
| Manganese     | 4     |
| Zinc          | 7     |
| Copper        | 1     |

| Fatty Acids       | % DM |
|-------------------|------|
| Ether Extract     | 5.3  |
| Total Fatty Acids | 5.1  |
| Glycerol          | 0.2  |
| Pigment           | 0.1  |
| C12:0             | 0.1  |
| C14:0             | 0.1  |
| C16:0             | 1.3  |
| C16:1             | 0.1  |
| C18:0             | 1.9  |
| C18:1T            | —    |
| C18:1C            | 0.7  |
| C18:2             | 0.6  |
| C18:3             | —    |
| Other             | 0.2  |

| Amino Acids   | % DM |
|---------------|------|
| Arginine      | 3.5  |
| Histidine     | 5.4  |
| Isoleucine    | 0.9  |
| Leucine       | 11.0 |
| Lysine †      | 7.8  |
| Methionine †  | 8.0  |
| Phenylalanine | 6.2  |
| Threonine     | 3.6  |
| Tryptophan    | 1.0  |
| Valine        | 8.0  |
| EAA           | 55.6 |



AgriBusiness

SPECIFICATIONS