



## Package Descriptions

### Type I

Dry matter, crude protein

### Type II

Dry matter, crude protein, calcium, phosphorus, magnesium, potassium, sodium

### Type III

Type II plus copper, zinc, manganese

### Type IV

Type II plus acid detergent fibre, estimated total digestible nutrients, net energy lactation

### Type V

Dry matter, crude protein, calcium, phosphorus, sodium

### NW-40\*

By NIR: CP, SP, ADF-CP, degradable protein (est.), ADF, NDF, TDN, NEL, NEG, NEM, RFV, NFC, starch, lignin  
By Wet Chemistry: DM, CA, P, K, Mg, Na, OARDC energy calculations

### NW41\*

NW40 with copper, zinc, manganese, iron also by wet chemistry

### NIR 20\*

NW40 with all results by NIR, no wet chemistry

### AFL EXCEL DRY COW\* (forages only)

By NIR: CP, SP, ADF-CP, degradable protein (est.), ADF, NDF, lignin, TDN, NEL, NFC, RFV  
By Wet Chemistry: DM, Ca, P, K, Mg, Na, Cl, S, dietary cationic-anionic balance index

### AFL TMR EXCEL BASIC

By wet chemistry: DM, CP, ADF, NDF, Ca, P, K, Mg, Na, TDN, NEL

### AFL TMR EXCEL PLUS

By wet chemistry: DM, CP, SP, UIP, ADF, NDF, Ca, P, K, Mg, Na, TDN, NEL

### NCPS—Forages\*

By NIR: CP, SP, ADF-CP, ADF, NDF, lignin, NDF-CP, fat, ash, starch  
By wet chemistry: DM, Ca, P, K, Mg, Na  
Calculations for: TDN, NEL, NEG, NEM, NFC, UIP (est.), RFV OARDC values for TDN

### NCPS—Non-forages

DM, CP, Ca, P, K, Mg, Na, SP, ADF-CP, ADF, NDF, lignin, NDF-CP, fat, ash, starch Calculations for: TDN, NEL, NEG, NEM, NFC, UIP (est.), RFVOARDC values for TDN

### CPM\* Fermented forages only

By NIR: CP, SP, ADF-CP, ADF, NDF, lignin, NDF-CP, fat, ash, starch, 24 hr and 48 hr NDF digestibility (for haylage and corn silage) (RFQ where applicable)

By Wet Chemistry: DM, Ca, P, K, Mg, Na, Cu, Zn, Mn, pH

### Milk 2006

Similar to NCPS Forage. All results using NIR. Package includes NDFD (48hr) as well as calculated milk per tonne and milk per acre.

### EQUINE DE

NW41 plus total digestible nutrients and digestible energy for horses

### EQUINE COMPLETE

NW41 plus fat, NDF-CP, ash, starch, glucose, sucrose, total digestible nutrients and digestible energy for horses

### SWINE ME

Type II plus fat, ash, crude fibre, metabolizable energy

### POULTRY ME

Type II plus fat, starch, total sugar, metabolizable energy

### NCPS—Non-forages

DM, CP, Ca, P, K, Mg, Na, SP, ADF-CP, ADF, NDF, lignin, NDF-CP, fat, ash, starch Calculations for: TDN, NEL, NEG, NEM, NFC, UIP (est.), RFVOARDC values for TDN

### FORAGE DIGESTION KINETICS

Determination of rate of digestion of fast and slow carbohydrate pools of forages and feeds

### CORN SILAGE PROCESSING SCORE

Percentage of total starch that passes through a 4.75 mm screen

\* If the requested analysis cannot be performed by NIR, the most appropriate Wet chemistry package will be chosen

Contact the lab for details on any of these packages or additional services not listed. Please ensure you have enclosed a complete submission form, labeled samples, and payment in one carton before shipping. Samples received with out payment will not be analyzed unless prior credit arrangements have been made.