

AgEnviro Labs - South
Feed Testing **Sample Submission Form**

Submitter Details (Please PRINT clearly)

Name:	Company:
Address:	
Phone:	Email:
Are you submitting this sample(s) on behalf of another person? YES NO	If Yes, Name:
Additional Email:	

Billing Details

Contact Name:	Company:
Address:	
Phone:	Email:
ABN:	Quote Number (if received):
Purchase Order required? YES NO	DPIRD & LLS ONLY
PO Number:	WBS: GL:

Purchase Order Number, if required on invoice, must be supplied on submission.

Authorisation

By signing below, I declare that I am authorised to request analysis of the samples as listed. I have read & agree to the NSW DPIRD Laboratory Services Terms & Conditions and agree with the decision rules listed on this form.

Name:	Number of Samples:
Signature:	Date:

Report Requirements

Do you require all samples listed on the same report?	☐ Yes - All samples listed on one report
	☐ No - Individual reports for each sample required
Will the report be used in legal proceedings?	☐ No
	☐ Yes - Wet Chemistry testing is required (additional costs may apply)

Note: Test results and findings may be provided to authorised staff and used for statistical, surveillance, extension, certification and regulatory purposes in accordance with Departmental policies. The source of information will remain confidential unless otherwise required by law or regulatory policies.

Send your sample(s) and this form to:

AgEnviro Labs - South
NSW Department of Primary Industries and Regional Development
Locked Bag 701, Wagga Wagga NSW 2650

For further information including Terms & Conditions and current pricing contact
AgEnviro Labs – South, Customer Service team on:
1800 675 623 prompt 2 or (02) 6938 1957 Email wagga.labs@dpi.nsw.gov.au
or visit the website at: www.dpi.nsw.gov.au/labs

Laboratory Use Only

Date Accessioned:	Accession No:	Total Number of Samples:
Accessioned by:	Samples Checked:	Testing Authorised:

Sample Details					
	Unique Sample ID (as shown on report)	Sample Type (Eg. Oaten Silage)	Additional Information (e.g. Species or ingredients)	Produced on Property? (Y/N)	Date of Sampling (DD/MM/YYYY)
1					
2					
3					
4					
5					
6					

If additional samples, please attach list and email an excel spreadsheet to the laboratory.

Analysis Required (Please tick)

Near Infrared Spectrophotometry (NIR) Packages ¹		
Standard Package (Pastures, Hay, Silage, Straw)	DM & Moisture, Ash & OM, NDF, ADF, Crude Protein, DMD & DOMD, ME, WSC & AFIA Grading ^{2*} (if applicable).	☐
Premium Silage Package	Standard Package + Silage pH & Silage Ammonia-N	☐
Healthy Horse Package	Standard Package + Crude Fat, ESC*, Starch & Calc of Horse DE*	☐
Grain/Concentrate Package	Standard Package + Crude Fat, Starch & Bulk Density* without WSC	☐
Dairy Package with DCAD	Standard Package + 4 elements (Na, K, S, Cl) ¹ & DCAD calculation ¹	☐
Dairy Package with 20 Elements	Standard Package + 20 element profile ¹ & DCAD calculation ¹	☐

Wet Chemistry Packages		
Feed Package	DM & Moisture, Ash & OM, NDF, ADF, Crude Protein, DMD & DOMD, ME, WSC & Crude Fat.	☐
Forage Package	Feed Package without Crude Fat	☐
By-Products Package	Feed Package without WSC	☐
Feedlot Package	DM & Moisture, Ash & OM, NDF, ADF, Crude Fibre*, Crude Protein, WSC, Crude Fat, Calc NFE* & AUS-MEAT FLIAC approved ME calculation*	☐
Liquids Package	DM & Moisture, Crude Protein, Urea, WSC & Gross Energy*	☐
Meat Package	DM & Moisture, Ash & OM, Crude Protein & Crude Fat	☐
Poultry Feed Package	DM & Moisture, Crude Protein, Crude Fat, WSC, Starch & Calc of Poultry AME*	☐
Pig Feed Package	DM & Moisture, Ash & OM, Crude Protein, NDF, Crude Fat, Starch & Calc of Pig DE*	☐
Fish Feed Package	DM & Moisture, Crude Protein, Crude Fat, TNSC & Calc of Fish DE*	☐

Individual Analysis by Wet Chemistry		
☐ Minerals (20 Elements) ¹	☐ Nitrate/Nitrite*	☐ Urea
☐ Minerals (< 5 Elements, Specify Below) ¹	☐ Prussic Acid*	☐ Starch
☐ DCAD Elements + Calculation ¹	☐ Yeast/Mould Count ¹	☐ Gross Calorific Value ¹
☐ Chloride ¹	☐ Mycotoxins ¹	☐ Total Non-Structural Carbohydrates (TNSC)
☐ Other (Please check website for options)		

Please record any further details or requests in the area below.

(e.g. Details of stock deaths or illness, requests to return samples, sample preparation details, other tests not listed, or other relevant information)

* Denotes tests not covered under the Laboratory's NATA Scope of Accreditation.

General Information Feed Testing

This form is not a comprehensive list of the available testing.

For more information, please visit our website www.dpi.nsw.gov.au/labs or contact our Laboratory Customer Service team.

P: (02) 6938 1957 or 1800 675 623 - Option 2, E: wagga.labs@dpird.nsw.gov.au

Near Infrared Spectrophotometry (NIR) Packages ¹		
Package	Included Tests	Suitable for
Standard NIR	Dry Matter (DM) & Moisture, Ash & Organic Matter (OM), NDF, ADF, Crude Protein, Pepsin-Cellulase Digestibility (DMD & DOMD, ME), Water Soluble Carbohydrates (WSC) & AFIA Grading ² (if applicable) *	Assessment of the nutritive value of fresh pastures, grasses, cereals, legumes, hays (pasture, legume and cereal), silages (pasture, legume & cereal), straw and chaff
Premium Silage	Standard NIR, <i>plus</i> wet chemistry silage pH & ammonia-N (NH ₃ -N)	Assessment of the nutritive value of silages , plus pH and NH ₃ -N as key indicators of silage fermentation quality
Healthy Horse	Standard NIR <i>plus</i> Crude Fat (EE), ESC*, Starch & calc of Horse DE*	Standard NIR with additional parameters relevant for feeding horses , includes measures of sugar and starch to mitigate laminitis and calculation of Horse Digestible Energy (DE)
Grains & Concentrates	Standard NIR without WSC <i>plus</i> Crude Fat (EE), Starch & Bulk Density*	Assessment of the nutritive value of cereal grains and concentrates , includes wheat, oats, barley, maize, triticale, lupins and faba beans. Includes measures of fat, starch, and bulk density
Dairy with DCAD Elements	Standard NIR <i>plus</i> DCAD elements (Na, K, S, Cl) ¹ & calculation of Dietary Cation-Anion Difference (DCAD) ¹	Standard NIR with a mineral analysis for DCAD, an important factor for transition dairy cows and mitigating the risk of developing milk fever after calving
Dairy with 20 Elements & DCAD	Standard NIR <i>plus</i> 20 element screen (Al, As, B, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Zn and Cl) ¹ & calculation of Dietary Cation-Anion Difference (DCAD) ¹	Dairy NIR with DCAD plus a comprehensive mineral analysis, including calcium (Ca), phosphorous (P) and magnesium (Mg) for dairy cow management or grass tetany in sheep
Wet Chemistry Packages		
Package	Included Tests	Suitable for
Feed	DM & Moisture, Ash & OM, NDF, ADF, Crude Protein (CP), Pepsin-Cellulase Digestibility (DMD & DOMD, ME), WSC & Crude Fat (EE)	Comprehensive analysis of feeds (mixed rations, meals, seeds, pulps, hulls, pellets, etc.)
Forage	Feed Package without Crude Fat (EE)	Comprehensive analysis of low-fat forages (fresh pastures, grasses, hays, silages, etc.) excludes Crude Fat
By-Product	Feed Package without Water Soluble Carbohydrates (WSC)	Comprehensive analysis of by-products (cottonseed, spent grain, etc.) excludes WSC
Feedlot	DM & Moisture, Ash & OM, NDF, ADF, Crude Fibre*, CP, WSC, Crude Fat (EE), Calc NFE* & AUS-MEAT FLIAC approved ME calc*	Comprehensive analysis of feedlot rations includes a FLIAC-approved calculation of ME to comply with the AUS-MEAT National Feedlot Accreditation Scheme (NFAS)
Liquids	DM & Moisture, CP, Urea, WSC & Gross Energy*	Analysis of liquid supplements (molasses, etc.) for key nutritive attributes, including urea content
Meat	DM & Moisture, Ash & OM, Crude Protein & Crude Fat (EE)	Analysis of meat for key attributes, includes a measure of intramuscular fat (IMF)
Poultry Feed	DM & Moisture, Crude Protein, Crude Fat (EE), WSC, Starch & Calc of Poultry AME*	Analysis of poultry feed to calculate Poultry Apparent Metabolisable Energy (AME)
Pig Feed	DM & Moisture, Ash & OM, Crude Protein, NDF, Crude Fat (EE), Starch & calc of Pig DE*	Analysis of pig feed to calculate Pig Digestible Energy (DE)
Fish Feed	DM & Moisture, Crude Protein, Crude Fat (EE), Total Non-Structural Carbohydrates (TNSC) & Calc of Fish DE*	Analysis of fish feed to calculate Fish Digestible Energy (DE)

* Denotes tests not covered under the Laboratory's NATA Scope of Accreditation.

¹ Denotes tests where service is subcontracted to an external provider. Preference is given to other NATA accredited Labs, and/or Govt facilities.

² AFIA Grading will be calculated using the 95% coverage probability for the expanded uncertainty of the measurement of results for crude protein (CP) and metabolisable energy (ME). Where there is sufficient doubt that a test sample has complied with a particular grade, then a range of grades are quoted to ensure sufficient accuracy in the reporting.

Please note that Turn-Around-Times for outsourced analyses are out of laboratory control and may vary.

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RDOC23/175522

Instructions

- 1 Complete customer and sample details on the front of this bag.
- 2 Using the mixing, coning and dividing technique shown below, take samples of the feed or fodder as per the instructions enclosed.
- 3 Fill the sample bag with feed or fodder to the line indicated on the front of this bag (min. 500g).
- 4 Remove air from the bag and seal well.
- 5 Complete the sample submission form provided.
- 6 Place samples and sample submission form into the postage bag provided and return to DPIRD AgEnviro Labs.

Taking feed samples

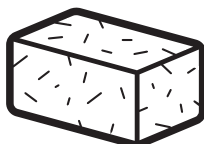
Pasture – fresh and fresh mown

Grab 15-20 samples from different areas of a paddock to grazing height or to the full depth of the swath or windrow. Mix samples together in a bucket.



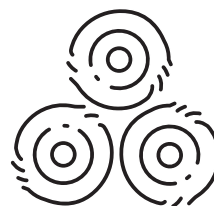
Small square bales

Choose 10-20 different bales. Take one core from each bale through the 'butt' and at 90° to the surface. Mix samples together in a bucket.



Large round or square bales

Select 5-10 different bales. Take one core from each side of the bale, probing at 90° to the surface and at different heights. Mix samples together in a bucket.



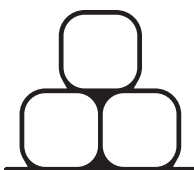
Cubes, pellets, meals and grain

Take 10-15 handfuls from the bulk or individual bags. Mix samples together in a bucket.



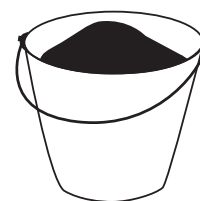
Bunker or pit silage

Sample 10-15 sites across a freshly cut silage face or 7-10 random sites along the length of the pit. Avoid sampling from only the top 50 cm of the pit. Mix samples together in a bucket.



Baled silage

Select 5-10 different bales. Take one core from each side of the bale, probing at 90° to the surface and at different heights. Mix samples together in a bucket.



Sub-sampling – coning and dividing

Mix the sample. Bulk the sample in the centre (coning). Divide it in half. Discard half and repeat until desired sample size is achieved.

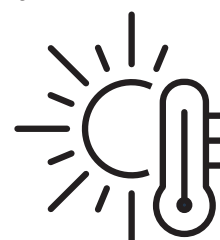


High moisture content samples

Fresh pasture, fresh mown pasture and silage must be frozen, in this plastic sample bag before sending to DPIRD AgEnviro Labs. Just prior to sending, wrap the frozen sample bag in dry newspaper to minimise defrosting. Place wrapped sample bag into postage bag.

Sample storage

Do not allow samples to heat during storage or transport prior to testing, they will deteriorate. Never leave samples in vehicles, particularly on a hot day.



REMOVE THE GUESSWORK. UNEARTH THE VALUE. CULTIVATE QUALITY.

www.dpi.nsw.gov.au/labs