



## Australian Perry Agricultural Laboratory

P O Box 327, 489 The Parade, Magill SA 5072  
 w 08 83320199 fx: 08 83612715 e/m: info@apal.com.au  
 www.apal.com.au Member ASPAC

# FEEDTEST RESULTS

|                                 |  |  |
|---------------------------------|--|--|
| Agent: <b>PRO AG CONSULTING</b> | Date Received: <b>05-May-08</b>                |  |
| Client: <b>ABC FARMS</b>        | Date Reported: <b>12-May-08</b>                |  |
| Location: <b>FLAT ROCK</b>      | WT Report No: <b>30692</b>                     |  |
| APAL Batch No: <b>0839</b>      | Reporting Consultant: <b>Dr Colin Trengove</b> |  |

**RESULTS:**                      **Sample 1:**                      **Sample 2:**

| Sample Name:      | OATS           | OATEN HAY      | Ideal   | Ideal   | Ideal   |
|-------------------|----------------|----------------|---------|---------|---------|
| WT Sample No:     | E08/005830-001 | E08/005830-002 |         |         |         |
| Description:      | OATS GRAIN     | OATEN HAY      | grass   | cereal  | cereal  |
| Growth Stage:     | GRAIN          | PRE-FLOWERING  | pasture | hay     | grain   |
| Cut Date:         |                |                |         |         |         |
| Bale Date:        |                |                |         |         |         |
| DM %              | 93.3           | 87.3           | 8 - 25  | 75 - 92 | 88 - 94 |
| Moisture %        | 6.7            | 12.7           | 75 - 92 | 8 - 25  | 6 - 12  |
| CP %              | 14.4           | 5.4            | > 20    | > 10    | > 12    |
| Ash %             | 2.9            | 6.6            | 8 - 12  | 8 - 12  | 4 - 10  |
| Fat %             | 5.0            | 1.5            | 1.5 - 4 | 1.5 - 4 | 4 - 6   |
| ADF %             |                | 40.2           | 20 - 35 | 20 - 35 | 20 - 30 |
| NDF %             | 37.5           | 62.9           | 35 - 55 | 35 - 55 | 35 - 45 |
| DDM %             |                | 52.7           | >63     | >63     | >84     |
| ME MJ/kg          | 14.5           | 7.9            | >9.5    | >9.5    | >12     |
| FIA fodder grade: | A1             | C3             | A1      | A1      | A1      |

*CP = crude protein; DDM = digestible dry matter; ME = metabolisable energy; NDF = neutral detergent fibre*

*ADF = Acid Detergent Fibre; AFIA = Australian Fodder Industry Association Inc.*

*na = details not recorded or not applicable*

*Ash is an indicator of mineral content - the higher the better. (Note: soil contamination will inflate this result)*

*Fat - all plants contain some digestible energy stored as fat - varies with plantspecies*



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# HAY FEEDTEST REPORT

Client: **ABC FARMS**

Date Reported:

**12-May-08**

Reporting Consultant:

**Dr Colin Trengove**

### COMMENTS:

**Sample 1: OATS**

*High dry matter content indicates long term storage.*

*Fat % indicates relatively high fat content in this grain.*

*Ash % indicates low mineral content.*

*Excellent energy content reflects good plant growth/nutrition & relatively high fat content.*

*Excellent protein content reflects good plant growth/nutrition and oat species.*

*Good fibre (NDF) reflects good plant growth/nutrition and oat species.*

**Sample 2: OATEN HAY**

*Dry matter indicates normal moisture content for hay.*

*Fat % indicates relatively good fat content in this feed*

*Ash % indicates very low mineral content*

*Low energy / digestability indicative of either weather damage or cut & baled too late.*

*Low protein typical of late cut cereal or grass dominant pasture.*

*Relatively high fibre (ADF / NDF) typical of high fibre content in cereals / late cut / weather damage.*

### RECOMMENDATIONS:

**Sample 1: OATS**

*The energy content is adequate for all classes of stock for maintenance /pregnancy / lactation / growth.*

*There is sufficient protein for growing weaners or feeding lactating adults.*

*The protein/energy content combined with good fibre makes this an excellent supplement to green pasture.*

*The NDF indicates potential for good daily intake promoting good animal growth rate & production.*

*Overall, this grain is considered excellent quality.*

**Sample 2: OATEN HAY**

*Extra energy supplement is required to maintain adult stock on this hay.*

*Additional protein supplement is required for all classes of stock.*

*The low protein is ideal for supplementing animals during winter / spring when pasture protein is high.*

*The NDF indicates potential for only modest daily intake which limits animal growth rate & production.*

*Overall, AFIA standards indicate that this hay is classed as moderate quality.*