

## GrazFeed - Record of Input Values for this Run

**Title:** P1 ewes in feedlot

**Run For:** ? Station

**Date:** Wed, Sep 16, 2009 at 18:33

### Pasture

No pasture was available for grazing in this run.

### Supplement

| Feed             | Percentage | Feed             | Percentage |
|------------------|------------|------------------|------------|
| Barley, whole    | 0.0        | Hay              | 0.0        |
| Lupins           | 0.0        | Triticale, whole | 79.3       |
| Vetch & oats hay | 20.7       |                  |            |

### Supplement analysis

|                           |    |
|---------------------------|----|
| DM digestibility (%)      | 85 |
| Protein content (%)       | 14 |
| Protein degradability (%) | 82 |

### Weather

The effects of weather were not considered in this run.

### Animals

**Mature ewes with 1 foetus** of **Large Merino** breed type.

|                                  |     |
|----------------------------------|-----|
| Ewe's mature weight (kg)         | 58  |
| Ewe's average fleece weight (kg) | 6.0 |
| Ewe's fleece yield (%)           | 65  |
| Live weight (kg)                 | 55  |
| Age (months)                     | 48  |
| Days pregnant                    | 96  |

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### Brief Results

| Weight of supplement (kg)                                     | Supplement cost (\$/head) | Intake of DM |                 | Weight gain (g) | Maternal gain (g) | Clean wool (g) |
|---|---------------------------|--------------|-----------------|-----------------|-------------------|----------------|
|   |                           | Pasture (kg) | Supplement (kg) |                 |                   |                |
| 0.00  | 0.00                      | 0.00         | 0.00            | -252            | -315              | 0.0            |
| <b>WARNING: Animals will probably die at this weight loss</b> |                           |              |                 |                 |                   |                |
| 0.84  | 0.16                      | 0.00         | 0.74            | 80              | 17                | 6.0            |

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### Mature ewes with 1 foetus, 0.00 kg supplement

#### Table 1. Diet Composition

|                   | Intake limit | Herbage  |       | Total diet |
|-------------------|--------------|----------|-------|------------|
|                   |              | on offer | eaten |            |
| Weight of DM (kg) | 1.71         |          | 0.00  | 0.00       |
| Digestibility (%) |              | 0        | 0     | 0          |

|                    |  |   |   |      |
|--------------------|--|---|---|------|
| Crude protein (%)  |  | 0 | 0 | 0    |
| Protein degrad (%) |  | 0 | 0 |      |
| ME Intake (MJ)     |  |   |   | 0.0  |
| Maint. efficiency  |  |   |   | 0.70 |
| Gain efficiency    |  |   |   | 0.88 |

## Table 2. Energy and Protein Partition and Protein Requirements

|                         | Intake | Maint | Preg | Wool | Weight gain | Total used | Surplus |
|-------------------------|--------|-------|------|------|-------------|------------|---------|
| ME partition (MJ)       | 0.0    | 6.4   | 1.8  |      |             |            |         |
| NE stored (MJ)          |        |       |      | 0.00 | -7.23       |            |         |
| Protein (g)             | 0.0    | 11.1  | 8.3  | 0.0  | -25.1       |            |         |
| Rumen degr. protein (g) | 0.0    |       |      |      |             | 0.0        | 0.0     |
| Undegr. protein (g)     | 0.0    |       |      |      |             | 0.0        | 0.0     |

## Table 3. Animal Production

|                 | Shorn weight | Maternal weight | Foetus | Gravid uterus | Clean wool | Greasy wool | Supp cost (\$/head) |
|-----------------|--------------|-----------------|--------|---------------|------------|-------------|---------------------|
| New weight (kg) | 54.7         | 52.5            | 0.8    | 2.3           |            |             |                     |
| Daily gain (g)  | -252         | -315            | 43.0   | 62.7          | 0.0        | 0.0         | 0.00                |

Condition score change/month: -1.09

**WARNING:** These animals will probably die; they cannot metabolise tissue at the rate corresponding to this weight loss!

## Table 6. Other Results

### Nitrogen Balance (g)

|                                 |           |     |
|---------------------------------|-----------|-----|
| Intake:                         |           | 0.0 |
| Remobilised from body reserves: |           | 4.0 |
| Retention:                      | wool      | 0.0 |
|                                 | conceptus | 1.3 |
| Losses:                         | urine     | 2.7 |
|                                 | faeces    | 0.0 |

### Protein Metabolism (g)

|                         |    |
|-------------------------|----|
| Microbial crude protein | 0  |
| DPLS from MCP           | 0  |
| Total DPLS              | 0  |
| DPLS for wool growth    | 17 |

### Methane Output

|                |     |
|----------------|-----|
| Energy (MJ)    | 0.0 |
| Weight (g)     | 0   |
| Volume (litre) | 0   |

### Faeces Output

|                           |     |
|---------------------------|-----|
| Dry matter (g)            | 0   |
| Protein in dry matter (%) | 0.0 |

## Mature ewes with 1 foetus, 0.84 kg supplement

### Table 1. Diet Composition

|                    | Intake limit | Herbage  |       | Supplement eaten | Total diet |
|--------------------|--------------|----------|-------|------------------|------------|
|                    |              | on offer | eaten |                  |            |
| Weight of DM (kg)  | 1.71         |          | 0.00  | 0.74             | 0.74       |
| Digestibility (%)  |              | 0        | 0     | 85               | 85         |
| Crude protein (%)  |              | 0        | 0     | 14               | 14         |
| Protein degrad (%) |              | 0        | 0     | 78               |            |
| ME Intake (MJ)     |              |          |       |                  | 9.5        |
| ME/DM (MJ/kg)      |              |          |       |                  | 12.8       |
| Maint. efficiency  |              |          |       |                  | 0.76       |
| Gain efficiency    |              |          |       |                  | 0.55       |

**Table 2. Energy and Protein Partition and Protein Requirements**

|                         | Intake | Maint | Preg | Wool | Weight gain | Total used | Surplus |
|-------------------------|--------|-------|------|------|-------------|------------|---------|
| ME partition (MJ)       | 9.5    | 6.8   | 1.8  |      |             |            |         |
| NE stored (MJ)          |        |       |      | 0.21 | 0.39        |            |         |
| Protein (g)             | 101.5  | 22.4  | 8.3  | 6.0  | 1.4         |            |         |
| Rumen degr. protein (g) | 79.6   |       |      |      |             | 79.6       | 0.0     |
| Undegr. protein (g)     | 21.9   |       |      |      |             | 11.9       | 10.0    |

**Table 3. Animal Production**

|                 | Shorn weight | Maternal weight | Foetus | Gravid uterus | Clean wool | Greasy wool | Supp cost (\$/head) |
|-----------------|--------------|-----------------|--------|---------------|------------|-------------|---------------------|
| New weight (kg) | 55.1         | 52.8            | 0.8    | 2.3           |            |             |                     |
| Daily gain (g)  | 80           | 17              | 43.0   | 62.7          | 6.0        | 8.6         | 0.16                |

Condition score change/month: 0.0582

**Table 6. Other Results**

### Nitrogen Balance (g)

|            |             |      |
|------------|-------------|------|
| Intake:    |             | 16.2 |
| Retention: | weight gain | 0.2  |
|            | wool        | 1.0  |
|            | conceptus   | 1.3  |
| Losses:    | urine       | 7.6  |
|            | faeces      | 6.1  |

### Protein Metabolism (g)

|                          |    |
|--------------------------|----|
| Microbial crude protein  | 80 |
| DPLS from MCP            | 48 |
| Total DPLS               | 63 |
| DPLS for wool growth     | 54 |
| DPLS for wool:MEI (g/MJ) | 6  |

### Methane Output

|                |     |
|----------------|-----|
| Energy (MJ)    | 1.1 |
| Weight (g)     | 20  |
| Volume (litre) | 28  |

### Faeces Output

|                           |      |
|---------------------------|------|
| Dry matter (g)            | 111  |
| Protein in dry matter (%) | 34.6 |