

**TABLE SHOWING MEAN AND RANGE OF QUALITY MEASUREMENTS  
OF HAY SAMPLES FROM THE 2008/2009 SEASON.  
(Source FEEDTEST 1 Aug 08 – 31 May 09)**

Description	No. of Samples		Crude Protein CP (%)	Dry Matter Digestibility DMD (%)	Metabolisable Energy ME (MJ/kg DM)	Neutral Detergent Fibre NDF (%)
Hay, Legume	1221	Mean Range	20.4 3.8 – 30.5	68.0 37.7 – 83.4	10.1 4.9 – 12.7	40.2 27.7 – 74.0
Hay, Legume/Grass (Legume dominant)	244	Mean Range	16.0 6.6 – 30.0	69.4 49.4 – 81.9	10.3 6.9 – 12.5	44.6 30.0 – 63.9
Hay, Grass/Legume (Grass dominant)	601	Mean Range	11.5 3.3 – 25.7	60.8 36.0 – 80.9	8.8 4.6 – 12.3	57.5 30.4 – 79.7
Hay, Grass	160	Mean Range	9.0 2.4 – 25.8	60.4 35.6 – 85.1	8.8 4.5 – 13.0	59.7 40.5 – 79.7
Hay, Cereal	7057	Mean Range	8.5 2.9 – 25.6	65.9 33.2- 85.5	9.7 4.1 – 13.1	53.9 32.1 – 78.6
Hay, Cereal/Legume	372	Mean Range	10.2 3.6 – 20.6	65.7 44.7 – 81.0	9.7 4.5 – 12.3	51.2 34.4 – 73.7

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**TABLE SHOWING MEAN AND RANGE OF QUALITY MEASUREMENTS  
OF SILAGE SAMPLES FROM THE 2008/2009 SEASON.  
(Source FEEDTEST 1 Aug 08 – 31 May 09)**

Description	No. of Samples		Dry Matter DM (%)	Crude Protein CP (%)	Dry Matter Digestibility DMD (%)	Metabolisable Energy ME (MJ/kg DM)	Neutral Detergent Fibre NDF (%)
Silage, Legume	122	Mean Range	55.6 25.8 – 79.1	20.6 8.5 – 30.4	67.3 52.3 – 81.8	10.2 6.2 - 12.2	40.8 25.6 – 64.4
Silage, Legume/Grass (Legume dominant)	58	Mean Range	46.6 23.5 –74.5	17.9 9.9 – 24.9	71.2 53.0 – 82.1	10.7 8.3 – 12.2	43.1 28.9 – 58.7
Silage, Grass/Legume (Grass dominant)	518	Mean Range	46.2 19.9 – 84.6	14.6 7.5 – 26.1	68.7 42.3 – 84.9	10.4 6.8 – 12.6	52.7 28.5 – 77.5
Silage, Grass	180	Mean Range	46.3 21.8 – 75.7	14.8 5.7 – 28.2	70.1 51.5 – 83.6	10.6 8.1 – 12.4	51.8 32.3 – 68.6
Silage, Maize	78	Mean Range	36.1 23.9– 53.4	8.5 6.2 – 11.7	69.8 56.1 – 80.8	10.6 8.7 – 12.0	45.7 33.0 – 59.8
Silage, Cereal	270	Mean Range	51.4 20.5 – 83.0	12.8 7.2 – 26.8	68.0 45.7 – 86.0	10.3 6.7 - 12.7	51.9 38.9 – 69.9

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**TABLE SHOWING MEAN AND RANGE OF QUALITY MEASUREMENTS  
OF GRAIN SAMPLES FROM THE 2008/2009 SEASON  
(Source FEEDTEST 1 Aug 08 – 31 May 09)**

<b>Description</b>	<b>No. of Samples</b>		<b>Density (kgs per hectolitre)</b>	<b>Crude Protein CP (%) (N x 6.25)</b>	<b>Dry Matter Digestibility DMD (%)</b>	<b>Metabolisable Energy ME (MJ/kg DM)</b>	<b>Acid Detergent Fibre (%)</b>
<b>Oats</b>	<b>221</b>	<b>Mean Range</b>	<b>49.1 32.1 – 69.2</b>	<b>12.2 7.3 – 16.6</b>	<b>70.5 59.5 – 87.8</b>	<b>12.3 10.7 – 15.3</b>	<b>15.6 4.3 – 21.9</b>
<b>Barley</b>	<b>579</b>	<b>Mean Range</b>	<b>63.3 44.1 – 73.0</b>	<b>13.7 6.7 – 26.3</b>	<b>83.7 65.5 – 88.1</b>	<b>12.8 9.6 - 13.4</b>	<b>6.7 3.9 – 30.7</b>
<b>Wheat</b>	<b>278</b>	<b>Mean Range</b>	<b>76.3 57.2 – 83.0</b>	<b>15.4 9.5– 23.3</b>	<b>88.9 78.8 – 90.9</b>	<b>13.5 12.1 – 13.7</b>	<b>3.6 2.4 – 9.5</b>
<b>Triticale</b>	<b>85</b>	<b>Mean Range</b>	<b>67.4 60.1 – 74.0</b>	<b>14.2 9.4 – 18.5</b>	<b>87.3 83.5 – 89.2</b>	<b>13.3 12.8 - 13.5</b>	<b>4.2 3.2 – 7.1</b>
<b>Lupins</b>	<b>50</b>	<b>Mean Range</b>		<b>31.0 26.4 – 35.0</b>	<b>85.2 81.7 – 87.9</b>	<b>14.3 13.6 – 14.8</b>	

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**TABLE SHOWING MEAN AND RANGE OF QUALITY MEASUREMENTS  
ON CEREAL HAY SAMPLES FROM THE 2008/2009 SEASON.  
(Source FEEDTEST 1 Aug 08 – 31 May 09)**

Description	No. of samples		Crude Protein CP (%)	Dry Matter Digestibility DMD (%)	Metabolisable Energy ME (MJ/kg DM)	Neutral Detergent Fibre NDF (%)
Hay, Barley	252	Mean Range	11.0 4.1 – 25.6	70.5 54.7 – 82.8	10.5 6.3 – 12.6	49.0 39.2 – 64.6
Hay, Oaten	4846	Mean Range	7.9 2.9 – 18.2	65.9 41.8 – 85.5	9.7 5.6 – 13.1	54.5 32.1 – 76.0
Hay, Triticale	102	Mean Range	9.0 4.0 – 13.3	63.8 51.7 – 71.9	9.4 7.3 – 10.8	53.9 45.6 – 67.4
Hay, Wheaten	1180	Mean Range	10.7 3.4 – 18.7	66.7 33.2 – 79.2	9.9 4.1 – 12.0	52.1 40.3 – 77.7
Hay, Cereal/Pasture	145	Mean Range	8.5 3.6 – 20.2	63.3 48.4 – 76.8	9.3 6.7 – 11.6	54.4 42.1 – 73.7

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**TABLE SHOWING MEAN AND RANGE OF QUALITY MEASUREMENTS  
ON CANOLA HAY & SILAGE SAMPLES FROM THE 2008/2009 SEASON.**

(Source FEEDTEST 1 Aug 08 – 31 May 09)

<b>Description</b>	<b>No. of Samples</b>		<b>Dry Matter DM (%)</b>	<b>Crude Protein CP (%)</b>	<b>Dry Matter Digestibility DMD (%)</b>	<b>Metabolisable Energy ME (MJ/kg DM)</b>	<b>Neutral Detergent Fibre NDF (%)</b>
<b>Hay, Canola</b>	<b>256</b>	<b>Mean Range</b>		<b>16.0 6.4 – 26.1</b>	<b>62.8 32.1 – 82.4</b>	<b>9.2 3.9 – 12.6</b>	<b>41.7 26.1 – 71.6</b>
<b>Silage, Canola</b>	<b>84</b>	<b>Mean Range</b>	<b>44.5 23.3 – 79.3</b>	<b>17.3 10.3 – 27.4</b>	<b>62.9 44.7 – 79.1</b>	<b>9.6 5.2 – 11.8</b>	<b>42.4 30.3 – 65.1</b>

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**TABLE SHOWING MEAN AND RANGE OF QUALITY MEASUREMENTS  
ON LEGUME HAY SAMPLES FROM THE 2008/2009 SEASON.  
(Source FEEDTEST 1 Aug 08 – 31 May 09)**

<b>Description</b>	<b>No. of Samples</b>		<b>Crude Protein CP (%)</b>	<b>Dry Matter Digestibility DMD (%)</b>	<b>Metabolisable Energy ME (MJ/kg DM)</b>	<b>Neutral Detergent Fibre NDF (%)</b>
<b>Hay, Lucerne</b>	<b>720</b>	<b>Mean Range</b>	<b>21.1 10.4 – 30.5</b>	<b>65.6 37.7 – 77.6</b>	<b>9.7 4.9 – 11.7</b>	<b>41.1 31.2 – 67.1</b>
<b>Hay, Clover (unspecified)</b>	<b>29</b>	<b>Mean Range</b>	<b>18.3 10.8 – 25.4</b>	<b>71.8 59.2 – 80.2</b>	<b>10.7 8.6 – 12.2</b>	<b>39.5 29.0 – 53.1</b>
<b>Hay, Balansa Clover</b>	<b>16</b>	<b>Mean Range</b>	<b>17.4 13.7 – 20.0</b>	<b>72.5 52.8 – 80.7</b>	<b>10.9 8.4 – 12.3</b>	<b>36.8 29.8 – 51.4</b>
<b>Hay, Medic</b>	<b>35</b>	<b>Mean Range</b>	<b>20.7 17.0 – 26.3</b>	<b>73.5 63.7 – 81.1</b>	<b>11.0 9.4 – 12.3</b>	<b>36.9 30.7 – 46.2</b>
<b>Hay, Vetch</b>	<b>327</b>	<b>Mean Range</b>	<b>20.3 10.2 – 28.0</b>	<b>71.7 42.8 – 83.4</b>	<b>10.7 5.2 – 12.7</b>	<b>38.8 27.7 – 65.8</b>

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