

SCHEDULE 1

Regulation 2(1) and Schedule 3

METHOD OF CALCULATING THE ENERGY VALUE OF COMPOUND FEEDS

Commencement Information

II Sch. 1 in force at 1.1.2006, see [reg. 1\(1\)](#)

The energy value of compound poultry, ruminant and pig feeds shall be calculated in accordance with the relevant formulae set out below, on the basis of the percentages of certain analytical components of the feed. After application of these formulae, the results shall be given to one decimal place.

Poultry feeds: megajoules (MJ) of metabolisable energy (ME), nitrogen corrected, per kilogram of compound feed.

MJ of ME/kg of feed = $0.1551 \times \% \text{ protein}^{(1)} + 0.3431 \times \% \text{ oil}^{(2)} + 0.1669 \times \% \text{ starch}^{(3)} + 0.1301 \times \% \text{ total sugar (expressed as sucrose)}^{(4)}$.

Ruminant feeds: megajoules (MJ) of metabolisable energy (ME) per kilogram of dry matter in the compound feed.

MJ of ME/kg of dry matter = $0.14 \times \% \text{ Neutral detergent Cellulase plus Gamanase Digestibility}^{(5)} + 0.25 \times \% \text{ oil}^{(2)}$.

Pig feeds: megajoules (MJ) of digestible energy (DE) per kilogram of dry matter in the compound feed.

MJ of DE/kg of dry matter = $17.47 + 0.079 \times \% \text{ protein}^{(1)} + 0.158 \times \% \text{ oil}^{(2)} - 0.331 \times \% \text{ ash}^{(6)} - 0.140 \text{ Neutral Detergent plus Amylase Fibre}^{(5)}$

NB Where the results of analysis are to be given on a dry matter basis, this may be achieved by analysing either the dried material, or fresh material and correcting for the moisture content

(1) Determined by the method of analysis for protein specified in Point 2 of Annex I to Third Commission Directive [72/199/EC](#), as last amended by Commission Directive [99/79/EC](#).

NB For pig feed the results must be corrected to 100% dry matter.

(2) Determined by the appropriate procedure set out in the method of analysis for oils and fats specified in Part IV of the Annex to Second Commission Directive [71/393/EEC](#), as last amended by Commission Directive [98/64/EC](#).

NB In ruminant and pig feeds the results must be corrected to 100% dry matter.

(3) Determined by the method of analysis for starch specified in Point 1 of Annex I to Third Commission Directive [72/199/EEC](#), as last amended by Commission Directive [99/79/EC](#).

(4) Determined by the method of analysis for sugar specified in Point 12 of the Annex to First Commission Directive [71/250/EEC](#) (), as last amended by Commission Directive [1999/27/EC](#) ().

(5) Determined by the method detailed in the booklet "Prediction of Energy Values of Compound Feeding Stuffs for Farm Animals" (originally published by the Ministry of Agriculture, Fisheries and Food Publications, now available from the Department of the Environment, Food and Rural Affairs under Reference No. PB1285).

(6) Determined by the method of analysis for ash specified in Point 5 of the Annex to First Commission Directive [71/250/EEC](#), as last amended by Commission Directive [1999/27/EC](#).

Changes to legislation: *There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Feeding Stuffs (Scotland) Regulations 2005. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)*

NB The result must be corrected to 100% dry matter.

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Changes and effects yet to be applied to :

- Sch. 1 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Regulations applied by [S.I. 2005/3362 reg. 4](#)
- Regulations revoked by [S.S.I. 2010/373 Sch. 2 para. 1](#)

Changes and effects yet to be applied to the whole Instrument associated Parts and Chapters:

Whole provisions yet to be inserted into this Instrument (including any effects on those provisions):

- Sch. 3 Pt. 1 para. 18A inserted by [S.S.I. 2006/516 reg. 2\(2\)](#)
- Sch. 3 Pt. 1 para. 23(1) words omitted by [S.S.I. 2006/516 reg. 2\(3\)](#)
- Sch. 3 Pt. 1 para. 26 words substituted by [S.S.I. 2006/516 reg. 2\(4\)](#)
- Sch. 5 Ch. A entries inserted by [S.S.I. 2006/578 reg. 2\(3\)\(b\)](#)Sch. 2 Pt. 1
- Sch. 5 Ch. A entries substituted by [S.S.I. 2006/578 reg. 2\(3\)\(a\)](#)Sch. 2 Pt. 1
- Sch. 5 Ch. D entries substituted by [S.S.I. 2006/578 reg. 2\(4\)\(a\)](#)Sch. 2 Pt. 2
- Sch. 5 Chapter C words omitted by [S.S.I. 2010/354 reg. 25\(3\)\(c\)\(ii\)](#)
- Sch. 5 Chapter A words substituted by [S.S.I. 2010/354 reg. 25\(3\)\(a\)](#)Sch. 2
- Sch. 5 Chapter B words substituted by [S.S.I. 2010/354 reg. 25\(3\)\(b\)](#)
- Sch. 5 Chapter C words substituted by [S.S.I. 2010/354 reg. 25\(3\)\(c\)\(i\)](#)
- Sch. 5 Chapter C words substituted by [S.S.I. 2010/354 reg. 25\(3\)\(c\)\(iii\)](#)
- Sch. 7 Ch. A coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 1 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 2 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 3 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 4 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 5 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 6 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 7 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 8 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)
- Sch. 7 Ch. B para. 9 coming into force by [S.S.I. 2005/605 reg. 1\(1\)](#)