How much sugar is in this hay ?

As a rough guide, you can estimate the amount of sugar your horse gets from a biscuit of hay with your test results.

This is based on the average biscuit of hay weighing about 1.6kg (1600g).

The calculation uses the WSC % and the Dry Matter % from your Feed & Mineral Test.

For example, a biscuit of hay of 87.8% dry matter and 11.8% WSC is 165g sugar.

Sugar (g) = (1600 x 0.878) x 0.118 = 165g

A ready reckoner is tabulated below;

Sugar Calculator (g)

Water Soluble Carbohydrates %	Dry Matter % 92%	91%	90%	89%	88%	87%	86%	85%
5%	74	73	72	71	70	70	69	68
7.50%	110	109	108	107	106	104	103	102
10%	147	146	144	142	141	139	138	136
12.50%	184	182	180	178	176	174	172	170
15%	221	218	216	214	211	209	206	204
17.50%	258	255	252	249	246	244	241	238
20%	294	291	288	285	282	278	275	272
22.50%	331	328	324	320	317	313	310	306
25%	368	364	360	356	352	348	344	340
27.50%	405	400	396	392	387	383	378	374
30%	442	437	432	427	422	418	413	408
32.50%	478	473	468	463	458	452	447	442
35%	515	510	504	498	493	487	482	476
37.50%	552	546	540	534	528	522	516	510

Grams of Sugar in a 1.6kg Biscuit

Note that pasture will also contain varying amounts of sugar which must be taken into account when estimating the total sugar intake of your horse.