Measurement methodology

Record attempt

For the purposes of this record attempt, there will be two separate rounds of measurements. The **first** will be measuring the diameters of the bales before they're loaded into the feed wagon. The **second** will be of any bale cores that haven't been entirely teased apart in the field.

The following is an explanation of each round of measurements.

First round of measurements:

Before each load of bales is loaded into the feed wagon, the diameter of each will be measured and recorded. The height of the bales will be uniform at approximately 4' - since that's an unwavering element of the baler that made them - but even so, the height of one bale from each load will be measured and recorded to identify any deviation, and as a baseline for any future attempts to break this record.

From each load, the primary measurement required to pass on to the second round will be **the smallest diameter**.

Second round of measurements:

Since there's no uniform way to feed bales into this feed wagon that will determine the order in which they're fed out, using 20% of the smallest diameter as the breakpoint by which all bale cores from that load are measured.

Many bales will have no core. That will happen when a core is teased apart utterly and there will be nothing to measure.

For all bales that feed out a measurable core, the widest section of that bale core will be measured by a Surveyor and recorded, and any bale core with any cross-section that exceeds 20% of the smallest diameter of the bales in that load will be recorded as such.

Conversely, all fed out measurable cores for which the widest cross section is below 20% of the smallest diameter of the bales in that load will be recorded as such.

Measuring tools and devices:

For measurement, the surveyors will use three sets of callipers (219mm, 229mm & 239mm) to cover 20% of a range of diameters we expect to find: 1100mm, 1200mm & 1300mm - with one less millimetre each to ensure there's no room for error. The callipers create an accurate maximum measurement appropriate to the smallest diameter recorded from each load, always rounded down, so if the core of any bale doesn't fit comfortably under the appropriate calliper for that load, the bale will be considered being over 20% of the original size.

LOAD #: _____

Height of spot-checked bale:

_____

Bale	Diameter
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Smallest diameter bale this load: _____

20% of smallest diameter: _____

NOTE: There is no correlation between bale numbers of table above to table below

Start weight of total load: _____

Bale	Time Start	Time Done	Largest Diameter (if necessary)	Qualified Complete?
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Total Bales Fed Out: _____

End weight of total load: _____