

ASABE S532 APR2014
Net Wrap for Round Balers



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Net Wrap for Round Balers

This standard was developed by the ASABE Power and Machinery Forage & Biomass Engineering Technical Subcommittee. Approved as an ASABE standard April 2014.

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1 Scope

This standard provides general specifications and dimensional requirements of net wrap.

This document covers netting manufactured for use in round balers. This document is not intended to restrict manufacturers in the use of materials or manufacturing processes, rather to ensure dimensional compatibility with round balers.

2 Definitions

For the purpose of this Standard the following definitions apply:

2.1 net wrap: Knitted, woven, or other manufactured material which is applied to the surface of round forage and/or biomass bale wherein the net wrap maintains the bale integrity during handling, transport, and storage.

2.2 gage: Transverse distance between chain yarn strands of net wrap (Figure 1).

2.3 Raschel knit: The style of knit used nearly exclusively in the agricultural bale wrap industry. The Raschel knit consists of mechanically knitting longitudinal parallel yarns to form a chain yarn (knitted warp yarn). The chain yarns are knitted with transverse yarns known as fill, weft, or lay-in yarns as shown in (Figure 1).

2.4 chain yarn: Refers to a warp yarn after it has been mechanically knitted. Chain yarns are longitudinal parallel yarns that run in the same direction as the net wrap unwinds from the net roll (Figure 1).

2.5 warp yarn: Un-knitted chain yarn.

2.6 fill yarn: Diagonal yarn that knits or connects the warp yarns. This yarn is also referred to as weft or lay-in yarn (Figure 1).

2.7 core: Hollow core or tube, resistant to collapsing, onto which the net material is wound during its manufacture.

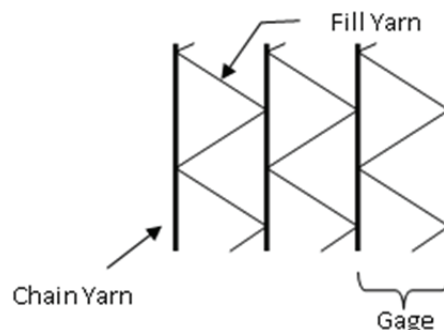


Figure 1 – Raschel Knit Illustration