

# Neutral Detergent Insoluble Nitrogen

Neutral Detergent Insoluble Nitrogen (NDIN) represents nitrogen associated with the cell wall, measured by subjecting the [Neutral Detergent Fibre](#) (NDF) residue to the [Kjeldahl procedure](#). Neutral Detergent Insoluble Protein (NDIP) is  $\text{NDIN} \times 6.25$ . A fraction of NDIP will be both degradable by rumen microbes and digestible in the small intestine. A second fraction will be completely indigestible. In the [Cornell Net Carbohydrate and Protein System](#), it is assumed that the completely indigestible fraction is estimated as [Acid Detergent Insoluble Nitrogen](#)  $\times 6.25$ . The degradable/digestible fraction is, therefore, calculated by difference:  $[(\text{NDIN} - \text{ADIN}) \times 6.25]$ .