

Deterioration of Trusses and Roof Systems of Livestock Farm Buildings

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Apparent rust and perforations have been noticed on numerous farm building roofs built with sheet steel. During investigations, rust on the metal gussets and nails were noticed due to high levels of barn bases and excessive moisture. Gravity ceiling air inlets, exhaust fan location and design of the eave openings have major impacts on the attic space refeeding of exhaust air.

Ontario and Quebec barns have been investigated. Practical observations and recommendations to reduce these problems are presented.