ROOF GREENING AND SPRINKLING

- **Climate Risk Region:** Continental
- **Weather event addressed:** Spring, Summer
- **Farming System:** Livestock — All animals
- **Farm vulnerability component:** Animal welfare
- **Description:**

Roof greening and/or roof sprinkling to reduce the temperature in the barn

- **Comments on sustainability:**

This measure requires some investment but has a positive effect on cooling the barn and on the animal welfare. It is possible to cool down the temperature in the barn up to 4-6 °C compared to the outdoor temperature. The green roof stores CO2, offers a habitat for flora and fauna and creates a positive microclimate. The energy used for sprinkling will be (partly) balanced out by the CO2 storage of the roof vegetation. External advice is necessary.

Implementation · MID TERM

SUSTAINABILITY COMPONENTS

+	GHG emissions
=	Air quality
=	Soil
−	Water
+	Biodiversity
+	Animal Welfare
€	Economic
=	Social
−	Technical Feasibility