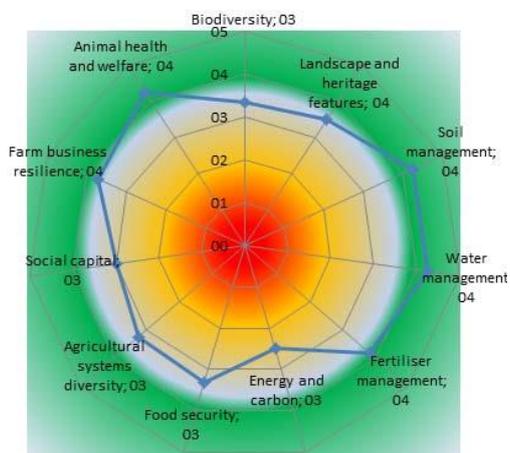


Explanation of the spider-web for Danish case farm no. 1



Biodiversity

The farm scores higher than most of these farms because of the different productions on the farm. Fifty hectares are kept primarily as a nature area, with some sheep grazing, and all permanent pastures are low-input fields. There are many buffer zones, and there is a forest area which are well kept based on the idea of biodiversity.

Landscape and heritage features

The farmers estimate that the farm falls well into the landscape and area, and there are historic and landscape characteristic features, and the buffer zones are well kept.

Soil Management

Because of the carrot farming, the humus content of the soil has been improved over the last years, and this makes the farm score quite high here. Measures are taken to avoid erosion (trees planting), and fields are generally green over winter.

Water Management

Not much is done to recycle water or collect rain water, and the farm is irrigated. It counts on the plus side that the equipment is well maintained and under control, and that water sources and streams are well protected, as well as flooding is prevented.

Fertiliser Management

The higher score (than the average of participating

farms) is due to regular analyses and re-cycling of much farm waste, as well as optimal storage of manure.

Energy and Carbon

The energy consumption in the carrot production is very high, as well as the energy consumption in the feed production. No forest or permanent pasture areas have been converted into arable land, which counts up. There is no use or production of sustainable energy (sun or wind).

Food Security

Like average of the participating farms: the farm has a lower yield, but there is a quite high degree of self sufficiency in the dairy production.

Agricultural System Diversity

The number of crops, animals, different productions and different marketing outlets make this farm score higher than most of the participating farms.

Social Capital

The farm now participates in the annual 'let the cows out' event in April, where there were about 1500 participants in 2013. Otherwise there is not participation in public events. The employees are well educated, and their security has high priority, which counts positively.

Farm business resilience

This farm is close to the average: farms generally lost in value during the past years, but risk management is in place, and the production is quite flexible. The farmers on this farm expect to stay in business for the next ten years.

Animal Health and Welfare

The deep litter loose housing area makes animal welfare in terms of natural behavior score high. The explicit animal health promotion strategy followed by a low treatment level and good herd health results adds to this. The fact that there is too little space to eat for all cows at the same time counts down.