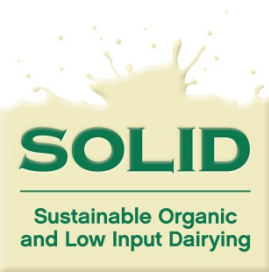


# ***Sustainability – Nutrients, public goods, biodiversity and more***

William Waterfield  
*The Farm Consultancy Group*



# ***Farm Assessment to Develop the Sustainability of Organic Farming***

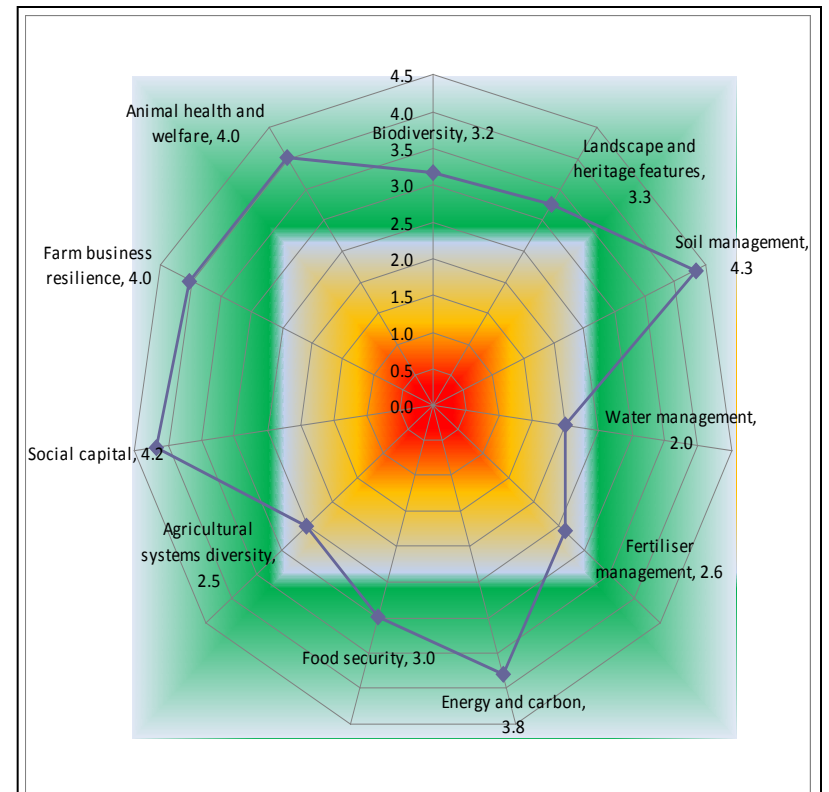
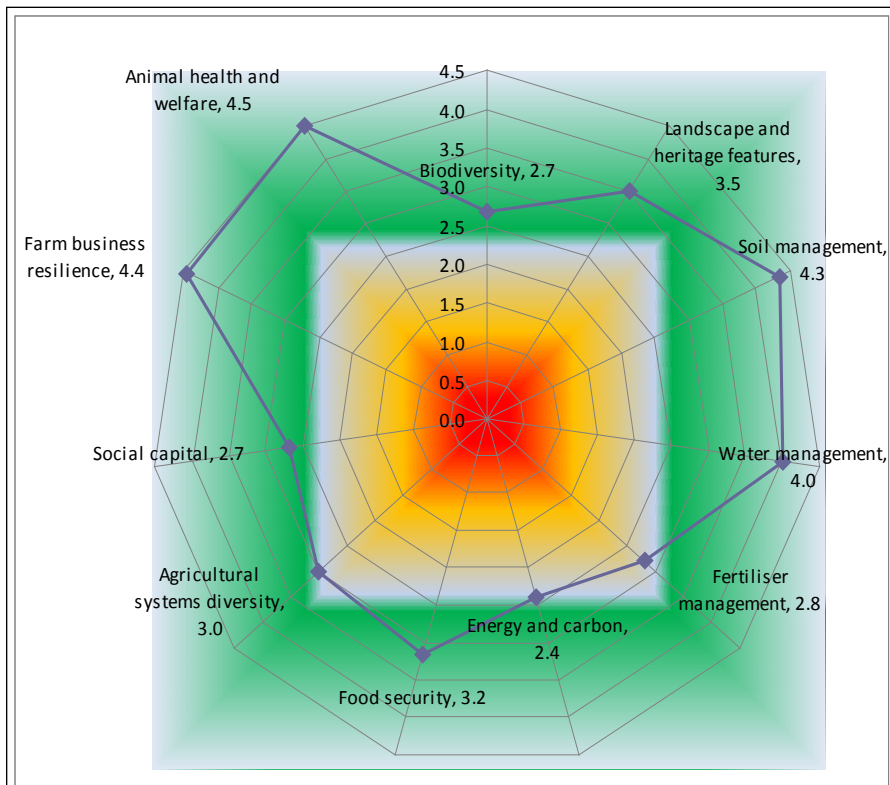
## ***Public Goods Programme***

- ***Broad spectrum benchmarking***
- ***Excel based spreadsheet***
- ***11 spurs or themes***
- ***Compare the performance between farms***
- ***Highlight strengths and weaknesses of the business***
- ***Allows monitoring of the business over a number of years***

# SPURS

- Biodiversity
- Landscape and heritage features
- Soil management
- Water management
- Fertiliser management
- Energy and carbon
- Food security
- Agricultural systems diversity
- Social
- Business resilience
- Animal health and welfare

# Benchmarking Farms



# Comparisons

Spur	Farm	1	2	3	4
Biodiversity		3.2	2.7	3.2	2.7
Landscape and heritage features		3.3	3.3	3.3	3.5
Soil management		4.3	3.6	4.3	4.3
Water management		4.0	3.5	2.0	4.0
Fertiliser management		3.2	2.8	2.6	2.8
Energy and carbon		3.4	3.6	3.8	2.4
Food security		3.7	2.8	3.0	3.2
Agricultural systems diversity		3.3	3.0	2.5	3.0
Social capital		3.8	3.2	4.2	2.7
Farm business resilience		4.4	4.0	4.0	4.4
Animal health and welfare		4.5	4.5	4.0	4.5

# Fertiliser & Nutrients

How do you determine the level of nutrient application for crops?

N/A	
Ad-hoc basis	1
Cross compliance limit	2
Limit set by organic standards	3
Using a nutrient budget software/manual	4
Through advice from a qualified advisor	5

# GUIDANCE FOR SCORING NPK BALANCE

Nitrogen kg/ha	Phosphorus and Potassium kg/ha		
0-50 kg/ha	5	Surplus/deficit less than 5 kg/ha	5
50-70 kg/ha	4		
70-90 kg/ha	3	Surplus/deficit of greater than 5kg/ha, less than 10kg/ha	3
90-110 kg/ha	2		
110-130 kg/ha plus+	1	Surplus/deficit of greater than 10 kg/ha	1

# Social Capital

## Community Engagement

Score

none 1

1 1

2 2

3 3

4 4

$\geq 5$  5

How many visitor events do you have?



# Conservation / Biodiversity

## Conservation plan

Have you considered  
conservation on your farm?

Not at all 1

Have discussed/thought about it 3

Developed a conservation plan 4

Conservation plan written and  
acted on / revised regularly 5