



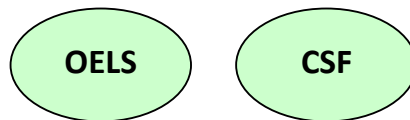
ORGANIC DAIRY FARM, Priors Farm sub-catchment



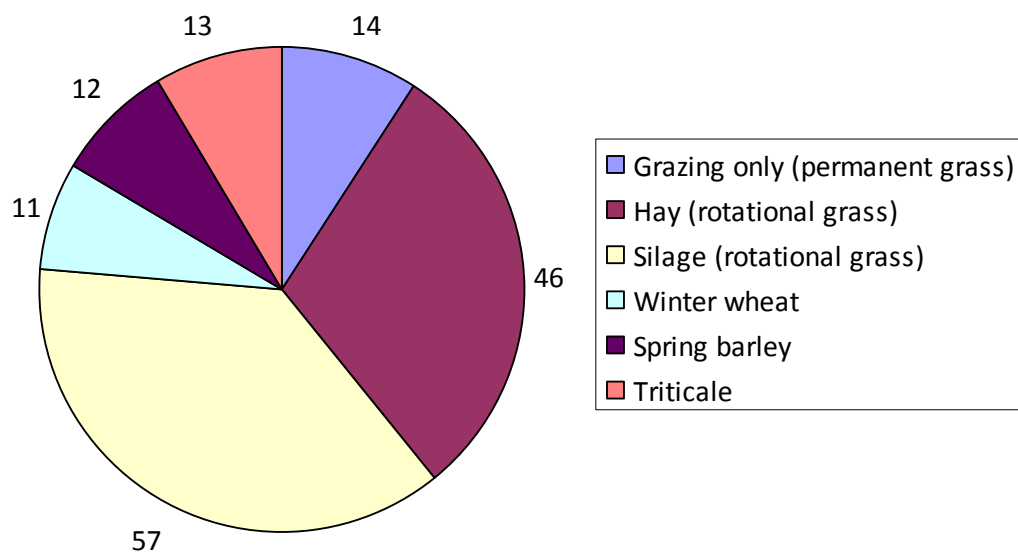
Hampshire Avon
Denonstration Test Catchment

Farm size: 153 Ha
 Business structure: Partnership
 Diversified activities: Yes
 Soil types: Sandy loam over greensand

Schemes:



Land use (Ha):



Crop rotations: Rotational grass = 2 year grass ley (red clover, rye grass) | winter wheat
 Permanent grass = 5 year grass ley | ploughed and drilled with white clover | stubble turnips | back to grass

Yields:

		NPK (kg/ha)	Yield (t/acre)
Permanent grass	Grazing only	Organic	
Rotational grass	Hay	Organic	1.33
	Silage	Organic	7
Cereals	Spring barley	Organic	6
	Winter wheat	Organic	8
	Triticale	Organic	8

Cultivations:

	Type	Passes	Drill width (m)	Hp
Permanent grass	Grass harrow	1	6	120
Cereals	Plough, combi drill	2	4	200



Average dairy herd: 272

Housed October- April

	No.	Weight (kg)	Milk yield (litres)	Housing
Autumn calving cow	145	600	7000	Cubicles
Heifer 3-12 months	47	150		Covered loose straw yard
Heifer 12-24 months	40	300		Covered loose straw yard
Heifer 24+ months	40	500		Cubicles and yard

Livestock feed: Bought in: 240 t cake (18% protein)
 Home produced 1000 t grass silage; 500 t whole crop silage; 150 t haylage

Livestock bedding: Bought in: 300 t straw



Cattle FYM stored in 2 field heaps
 Total storage capacity: 2000 t
 Storage duration: 6 months
 Applied to grass and cereal at 7 t/acre using a rear discharge spreader



Slurry, dirty water and silage effluent stored in one tank
 Total storage capacity: 4800 m3
 Dirty water mix is pumped out to grass weekly at 1800 gall/acre using a vacuum tanker and rain gun



500 silage bales
 500 t pit for whole crop silage
 1000 t pit for grass silage

Farm owned machinery: 3 tractors, muck spreader, vacuum tanker
 Contractors used for: ploughing, drilling, baling, silage, slurry spreading

 The Hampshire Avon DTC is being led by Professor Adrian Collins from ADAS. The first phase of the project runs until 31st March 2014. For further details please contact:

Prof. Adrian Collins (Project Lead) Email: adrian.collins@adas.co.uk
 Fiona Grant (Project Officer and Local Contact) Email: fiona.grant@adas.co.uk
 Website: www.avondtc.org.uk

