

MIXED FARM, Kingston Deverill & Brixton Deverill sub-catchments

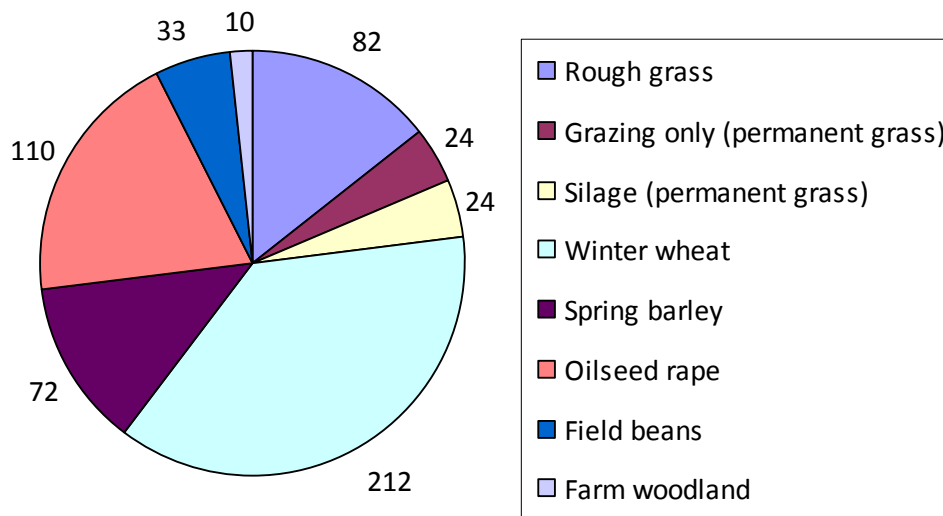


Hampshire Avon
Demonstration Trial Catchment

Farm size: 640 Ha
 Business structure: Sole trader
 Diversified activities: Yes, cottage lets
 Soil types: Lower & upper chalk, greensand

Schemes: HLS NVZ

Land use (Ha):



Crop rotations: Winter wheat | Spring barley | Oilseed rape | Winter wheat | Spring beans

Yields:

		kg/ha		t/ha		Residue fate	Pesticide passes
		N	PK	Grain yield	Straw yield		
Permanent grass	Grazing only	50					
	Silage	100			16		
Combinable crops	Winter wheat	225	As required	10	3.7	Baled	8
	Spring barley	126	As required	7	2.4	Baled	7
	Oilseed rape	190	As required	4		Chopped	9
	Field beans		As required	5		Chopped	7

Cultivations:

	Type	Passes	Drill width (m)	Hp
Combinable crops	Min till	2	4	250



Average beef herd: 120

	No.	No. sold	Age sold (months)	Sold weight LWT (kg)
Spring calving cow	40	4	8	400
Spring born calves	39			
Heifers	20	15	24	500
Steers	19	15	20	500
Breeding bull	2			



Cattle housed in October – May in covered straw yards. Bulls kept in bull pens

Average sheep flock: 357

	No.	No. bought	Age bought (months)	Bought weight (kg)	No. sold	Age sold (months)	Sold weight LWT (kg)
Ewes	50						
Lambs	75				65	6	40
Gimmers	230	230	6	40			
Tups	2						

Ewes housed for lambing February-March in covered straw yards.

Livestock feed: Bought in: 12 t Beef nuts (18% protein); 2 t Sheep nuts (18% protein); 30 t Hay
Home produced: 400 t silage; 12 t barley; 8 t beans

Livestock bedding: Home produced: 1000 t straw



400 t of cattle and sheep FYM stored in field heaps

400 t of pig FYM imported onto farm

FYM applied at a rate of 15 t/ha

1000 t of treated sludge imported onto farm

Sludge is applied at a rate of 21 t/ha

800 t of compost is imported onto the farm

Compost is applied at a rate of 13/23 t/ha

All solid waste is applied to arable land using a rear discharge spreader and incorporated within 24 hours

All solid waste can be stored for 6 months



A small amount of effluent from silage clamps is collected in an underground tank, exact capacity is unknown

Tank can hold up to 8 months of effluent.

Silage effluent is applied to grass using a vacuum tanker and splash plate

Farm owned machinery: 3 tractors, loader, combine, fertiliser spreader, sprayer, vacuum tanker

Contractors used for: Muck spreading, silage, baling, spraying

