

Slurry Wizard ~ Data entry

Total farmable area	100	hectares
Telephone STD code	01829	
Cows in herd	700	cows
Cows in milk	585	cows
Depreciation buildings	5	%
Depreciation machinery	10	%
Interest rate	7	%
Electricity cost	10	p/kW hour
Water cost	1	£/cubic metre
Slurry spreading cost	1	£/cubic metre
Water storage cost	0.4	£/cubic metre
Divert water cost	4.2	£/square metre
Roofing cost	67	£/square metre
Slurry storage cost	30	£/cubic metre

Slurry storage capacity

	Length m	Width m	Circumference of circular store m	(less freeboard)	Capacity m3	Area m2
Store 1	63	23.5		1.068	1581	1480.5
Store 2	73	28		1.674	3422	2044
Store 3	65	25		0.765	1243	1625
Store 4	80	20		0.462	739	1600
Store 5 - Circular					0	0
Store 6 - Circular					0	0
Total existing capacity					6985	6750

Freeboard : deduct 0.3 metres for a steel or concrete store and deduct 0.75 metres for a lagoon

Slurry separator

Do you operate a separator	No	For all the slurry entering the store(s)
----------------------------	-----------	--

Parlour washings to slurry store

Parlour washings to slurry store	Yes
High volume washing	☒ 30 litres/cow/day
Low volume washing	☐ 20 litres/cow/day
Own value	

Uncovered dirty yard area to slurry store

	Length m	Width m	Area m2
Yard 1	41	13	533
Yard 2	40	7.3	292
Yard 3			0
Yard 4			0
Yard 5			0
Yard 6			0
Yard 7			0
Yard 8			0
Yard 9			0
Yard 10			0
Total yard area			825

Roof water area to slurry store

	Length m	Width m	Area m2
Roof 1	0	0	0
Roof 2			0
Roof 3			0
Roof 4			0
Roof 5			0
Roof 6			0
Total roof area			0