Slurry Wizard ~ Slurry Report

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Farm Nitrogen Loading **98 Kg Nitrogen per Ha**

NB This is the nitrogen loading BEFORE the import or export of manure

Action points	
Number of months of storage	3
Maximum likely 2 day rainfall	75
Recommended reception pit size (m3)	263
Farming Rules for Water recommendations	You do not have at least 6 months storage. Consider whether you can comply with FRfW requirements and increase storage capacity if not
Roof water collection recommendations	Consider collecting roof water and/or diverting to a clean drain
Slurry store cover recommendations	Consider covering slurry storage with an impermeable cover

		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
Days		30	31	30	31	31	28	31	30	31	30	31	31	365 days
Total cattle excreta as slurry (m3)		294	304	294	304	304	275	304	294	304	294	304	304	3579 m3
% Cattle excreta to slurry store (100% for housed dairy, 20 to 50% if housed overnight, 10% for grazed dairy)		100	100	100	100	100	100	100	100	100	100	100	100	
Total pig excreta as slurry (m3)		-	-	-	-	-	-	-	-	-	-	-	-	
% Pig excreta to slurry store		100	100	100	100	100	100	100	100	100	100	100	100	
Total other livestock excreta as slurry (m3)		-	-	-	-	-	-	-	-	-	-	-	-	
% Other excreta to slurry store		100	100	100	100	100	100	100	100	100	100	100	100	
Excreta to slurry store (m3)		294	304	294	304	304	275	304	294	304	294	304	304	3,579 m3
Slurry separated (m3)	No0	-	-	-	-	-	-	-	-	-	-	-	-	- m3
Parlour washings (m3)	Yes	108	112	108	112	112	101	112	108	112	108	112	112	1,314 m3
Pig wash water (m3)	0.0	-	-	-	-	-	-	-	-	-	-	-	-	- m3

		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
Grid reference average rainfall (mm)		57	65	64	65	60	41	44	49	40	50	39	50	624 mm
Own average rainfall (mm)														mm
Adjusted likely rainfall, (mm)		65	74	74	75	69	47	51	56	46	57	45	57	718 mm

		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
Storage required		Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	
Yard run off area to slurry store (m3)	2850 m2	186	212	210	214	198	133	144	161	132	164	128	163	2,045 m3
Slurry store rainfall to store (m3)	1500 m2	98	112	111	113	104	70	76	85	69	86	67	86	1,076 m3
Roof water area to store (m3)	300 m2	20	22	22	23	21	14	15	17	14	17	13	17	215 m3
Total cubic metres (m3)		706	762	745	765	738	593	651	-	-	-	-	-	4,960 m3
Cumulative production (m3)		706	1,468	2,213	2,977	3,716	4,309	4,960	4,960	4,960	4,960	4,960	4,960	4,960 m3
Total storage capacity (m3)	2403	2,403	2,403	2,403	2,403	2,403	2,403	2,403	2,403	2,403	2,403	2,403	2,403	2,403 m3
Capacity less production (m3)		1,697	935	190	-575	-1,313	-1,906	-2,557	-2,557	-2,557	-2,557	-2,557	-2,557	-2,557 m3

Cost/Benefits	Net Benefit £/year
Divert roof water	1367.1
Divert roof water & harvest	-406.2
Roof dirty yard	-25522.9
Roof dirty yard & harvest water	-42369.3

The cost/benefit is based on a slurry storage cost of £75/cubic metre