

# Slurry and Soiled Water Volumes

## Monitoring programme to assess Dairy Soiled Water and Slurry volumes on 100 dairy farms

- 2.5 year Project October 1st 2022 - April 1st 2025
- Nationwide, with a range of herd sizes

Current Rate	Litre/cow/day	m <sup>3</sup> /cow/week	Rainfall
Soiled Water	30	0.21	+uncovered area x county rainfall
Slurry	48	0.33	

## Monitoring programme:

- Continuous measurement of volumes collected
- All tank dimensions
- Stock numbers/management
- Parlour details/washing routine
- Uncovered areas/runoff/silage effluent
- **Tank Sampling - pH, N, P, K, DM%**



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# Additional Value

Slurry/Cow (20 weeks)	(N, P, K) Value of Slurry (€/cow)		(N, P, K) Value of Slurry (€/200 Cows)	
	Spread in Optimal Conditions/Location	Spread in Poor Conditions	Spread in Optimal Conditions	Spread in Poor Conditions
1,452 Gals	€64	€21	€12,800	€ 4,200

# Costs

Store	Details	Unit Cost	For 200 cows/20 weeks
Slatted Tank	9 foot deep, 16 foot wide	≈ €450/foot length	€ 790/cow
Overground Tower	+Cover, reception tank, agitator		€ 835/cow
Slurry Bags	Dilute slurry (< 4% DM)		€ 325/cow