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Table 1, TAMS Investment Ceiling & Grant rates under the Animal Welfare & Nutrient Storage Scheme (AWNSS)

| | Investment Ceiling | Grant Rate |
|-----------------------------------|--------------------|------------|
| Individual or Company | €90,000 | 40% |
| Registered Farm Partnership (RFP) | €160,000 | 40% |

Table 2, TAMS Investment Ceiling & Grant rates under the Nutrient Storage Scheme

| | Investment Ceiling | Grant rate |
|-----------------------------|--------------------|------------|
| Individual or Company | €90,000 | 60% |
| Registered Farm Partnership | €160,000 | 60% |

Notes on Tables 1 & 2

- €90,000 ceiling for AWNSS, Dairy Equipment Scheme (DES), Tillage Capital Investment Scheme (TCIS) & Farm Safety (FSCIS) but latter at 60%
- The Nutrient Storage Scheme is not a separate scheme as such but relevant items will get the 60% rate within AWNSS, farmers are eligible for the combined ceilings of Tables 1 and 2 (€180,000 for individuals or companies etc.)
- In table 1 it is assumed that the Registered Farm Partnership (RFP) has no eligible young or woman farmer

Table 3, Tams Investment Ceilings & Grant rates for Young and Women Farmers Capital Investment Schemes

| | Investment Ceiling | Grant Rate | Investment Ceiling | Grant Rate |
|--|--------------------|------------|--------------------|------------|
| Individual or Company | €90,000 | 60% | | |
| RFP, 1 eligible young or woman farmer | €90,000 | 60% | €70,000 | 40% |
| RFP, 2 eligible young or women farmers | €160,000 | 60% | | |

The Registered Farm Partnership (RFP) with 1 eligible young or woman farmer is eligible for the €90,000 at 60% and the €70,000 at 40%

Take Care re Partnerships

- Question:
- Mother (aged 67 in 2027) and son in registered farm partnership for 10 years, would like to avail of the Women Farmers' Capital Investment Scheme to build a slatted shed in 2027

Slurry Storage Options



The above pictures show 4 common storage options: 1 is a slatted tanks, 2 is an underground concrete tank, 3 is an overground steel tank and 4 is a lined lagoon

How Slurry is Stored

% of Slurry Stored by Storage Method

- Roofed slatted tanks 90
- Overground tanks 7
- Underground tanks 4
- Lined lagoons <1

‘A report on Bovine Manure Management etc. 2017 to 2021’,
Buckley et al Ag. Economics & Farm Surveys Department, Teagasc.

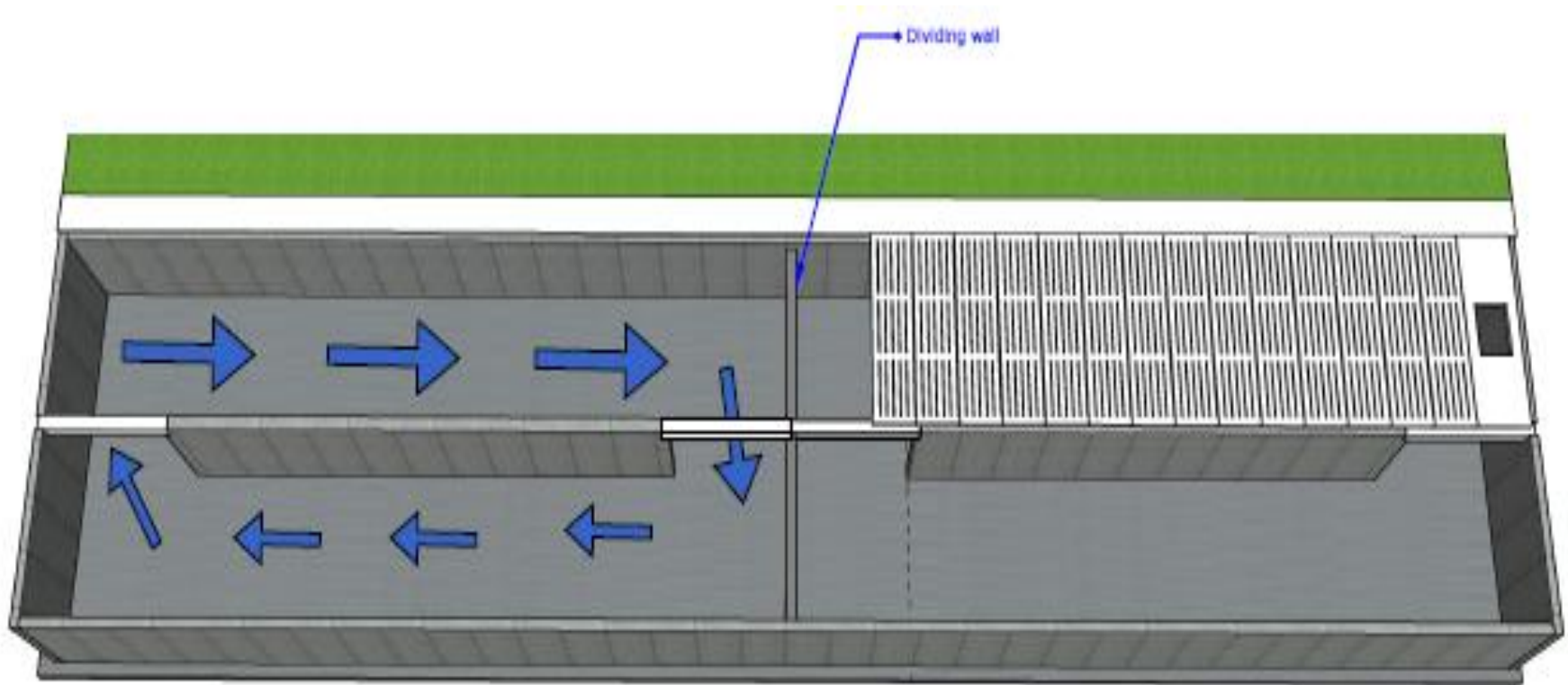
Cost of Slurry Storage Systems

| | Dimensions | Capacity Cubic Metres (net capacity) | Total Cost (€) excl. VAT |
|------------------|--|--------------------------------------|--------------------------|
| Slatted tank | 2x (52x4.7x2.7) 10 bay, 16.5 feet slat, 9 feet deep | 1,320 (1,222) | 158,000 |
| Open walled tank | 53.13 x 9.7 x 2.7 | 1,391 (979) | 101,816 |
| Steel tower | 19.6m diameter x 4.23m high | 1,280 (1,036) | 116,917 |
| Lined lagoon | 24.6 x 24.6 x 3m deep | 1,818 (1,255) | 66,500 |

Steel tower cover +€55,554

Lined lagoon cover +€42,000

Creating 2 chambers with a dividing wall will help the management of big tanks



Slurry Extraction - the pictures show an extraction pipe connected to an external coupling point.



Two intake pipes to fill the tanker quicker



Challenges in delivering a building project

Time

Finance

- Present the business in the best possible light to the financial institution
- Large projects or where the repayment capacity looks inadequate, will need Cash Flow projections or a Business Plan
- Loan Term is important (include a sensitivity analysis)
- VAT and TAMS grant need to be financed by a 'bridging loan'
- Give priority to your main business before investing in solar etc.

‘Cobble stone’ floor finish- a disaster for hoof health



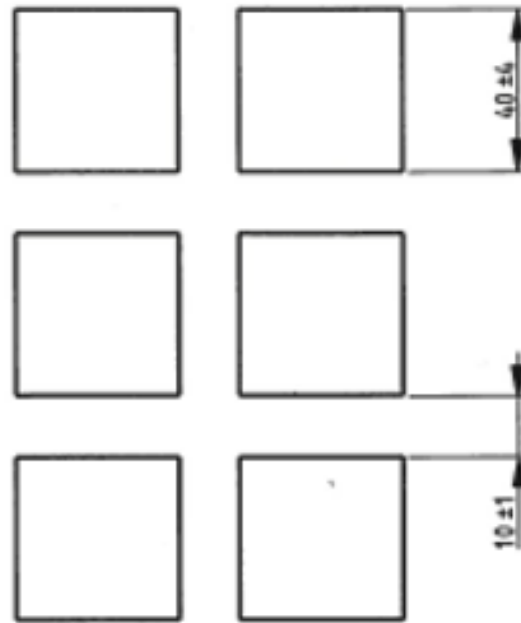
Perfect flat surface with grip



Well defined grooves with a flat surface



Grooves: Regular squares 40mm with 10mm grooves and 6 to 10 mm deep



Changes in recommended space allocation (square metres per animal)

| | 1992 | 2022 | % Change |
|--------------------|------|-------|----------|
| Pen area/calf | 1.6 | 2-2.3 | 25-44 |
| Slats- 200kg | 1.5 | 1.7 | 13 |
| Slats- 500kg | 2.0 | 2.5 | 25 |
| Dairy cow cubicles | 5.3 | 8 | 50 |

Space in cubicle housing



Cubicle Size



Recommended cubicle length = body length
1.7m + 0.9m for head, neck and lunging room =
2.6m (8.5 feet)
2.4m (8 feet) if head to head (CIGR, 2014)

The real problem is that in general our cubicles are not comfortable



Removing internal agitation points



Tank 6m x 3.5 X 2.7 (52.5m³ net)
TAMS reference cost €10,845
Net cost after 60% grant, = €4,345
DAFM Specification S123A