Cattle Slurry Application Methods

Nitrogen (N)
- N lost as ammonia
- Time of application
- Weather conditions
- Application techniques

Phosphorus (P) & Potassium (K)
- Valuable nutrient source
- No loss to air
- Availability (Index 1 & 2 50% Index 3 100%)
- More precise app.

Benefits of Low Emission Technology
- More N retained to grow grass
- Reduced farm fertiliser N bill
- Less grass contamination

<table>
<thead>
<tr>
<th>Splash Plate</th>
<th>Trailing Shoe</th>
<th>Direct Injection</th>
</tr>
</thead>
<tbody>
<tr>
<td>N Recovery %</td>
<td>30%</td>
<td>40%</td>
</tr>
<tr>
<td>Available N /ha</td>
<td>23kg</td>
<td>33kg</td>
</tr>
<tr>
<td>N Value (€/ha)</td>
<td>€23</td>
<td>€33</td>
</tr>
</tbody>
</table>

Cattle Slurry N Value at 33m³/ha (3,000gals/ac)

Benefits of Low Emission Technology
- Meet the national Ammonia emission reduction targets
- More even application of slurry N, P, K
- Less odour