Pig manure: A valuable Fertiliser!

Gerard McCutcheon
Pig Development Department
Why should **You** use pig manure / slurry?
**Value of Pig Manure**

<table>
<thead>
<tr>
<th></th>
<th>Nitrogen</th>
<th>Phosphorus</th>
<th>Potassium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrient content (kg/m³)</td>
<td>4.2</td>
<td>0.8</td>
<td>2.2</td>
</tr>
<tr>
<td>Nutrient availability (%)</td>
<td>50</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Fertiliser cost per kg (€)</td>
<td>1.03</td>
<td>2.32</td>
<td>0.83</td>
</tr>
<tr>
<td>Total Value</td>
<td>€2.16</td>
<td>€1.86</td>
<td>€1.83</td>
</tr>
</tbody>
</table>

Note: 1 m³ equals 220 gallons

**Total = €5.85/m³ or €26.59 /1000 gallons**
1000 Gallons Pig Manure = 50 kg NPK 19 - 7 - 20

The Irish Agriculture and Food Development Authority
Savings

€40 to €50 per acre or over €100 per hectare
Manure transport cost

Distance
Load size
Method of transport
Assume:

- Load size of 3000 gal (13.6 m³)
- Loading Time of 6 minutes
- Travel speed 20 km/hour (12.5 mph)
- Return speed + 5 km/hour
- Cost €50/hour
- Unloading time is twice loading time if it is spread on the land
3 miles  
€5.85/m³  
Transport Cost  
€2.57

5 miles  
€5.85/m³  
Transport Cost  
€3.56

10 miles  
€5.85/m³  
Transport Cost  
€6.20
If we use a Truck (27 m³ or 6000 gallons)
Loading time 15 minutes
Travel speed 45 km/hour (28 mph)
Return speed 5 km faster
Hire cost of truck €72/hour
Unloading time is equal to loading time
Cost of spreading €2 per m³
Transport Cost

10 miles

€3.76

15 miles

€4.88

20 miles

€6.00

€5.85/m³
Should **You** use pig manure / slurry?
Thank you for your attention

Any Questions?