# MANURE APPLICATION

# Current Guidebook Abatement techniques

## Category 1
## Slurry

| Method | Land use | % Reduction |
|---|---|---|
| Trailing hose | Grass, arable | 30 |
| Trailing shoe | Mostly grass | 60 |
| Shallow injection | Grass | 70 |
| Deep injection | Mainly grass/arable | 80 |
| Immed incorp plough | Arable | 80-90 |
| Immed incorp disc | Arable | 60-80 |
| 12h incorp plough | Arable | 30 |

# Current Guidebook Abatement techniques

**Category 1**
**FYM**

| Method | Pig/cattle | Poultry |
|---|---|---|
| Immed incorp plough | 90 | 95 |
| 12h incorp plough | 50 | 70 |
| 24h incorp plough | 35 | 55 |

# Current Guidebook Abatement techniques

## Category 2

- **Dilution/dilution-irrigation**
- **Timing**
- **Pressurised injection**

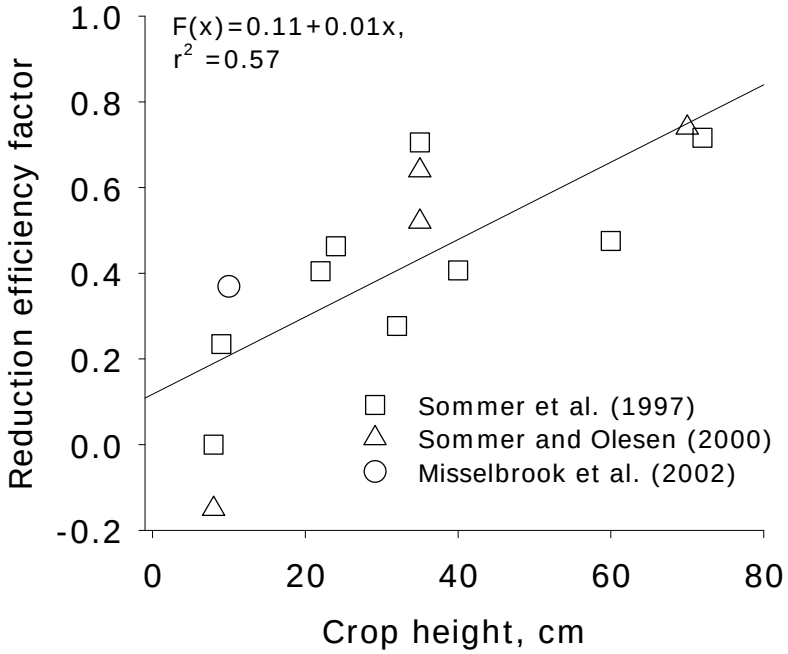
# Current Guidebook Abatement techniques

## Category 3

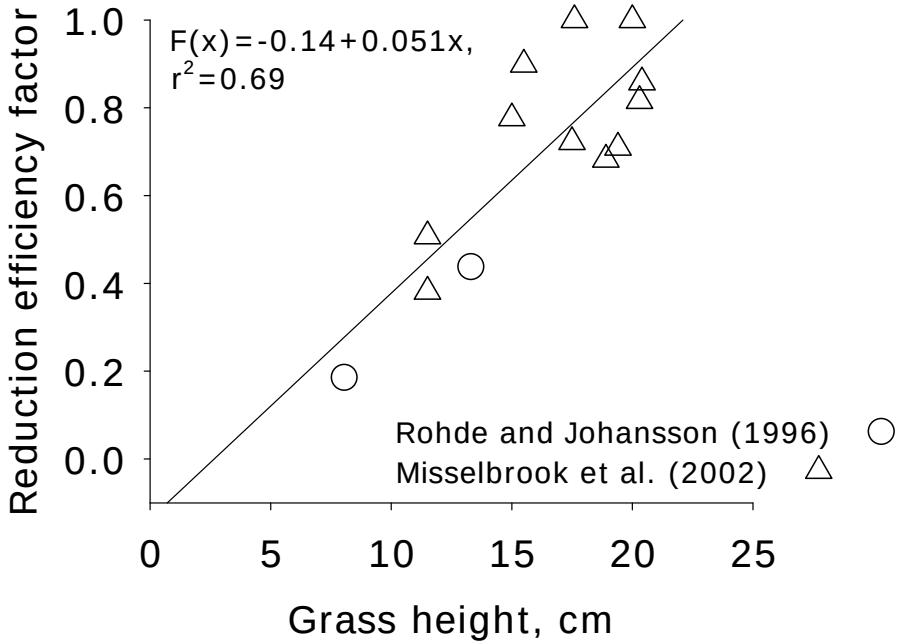
- **Acidification** **Experience from DK, move to Cat 2?**
- **Other additives**

# Factors influencing reduction efficiency

## Trailing hose/shoe and crop height:



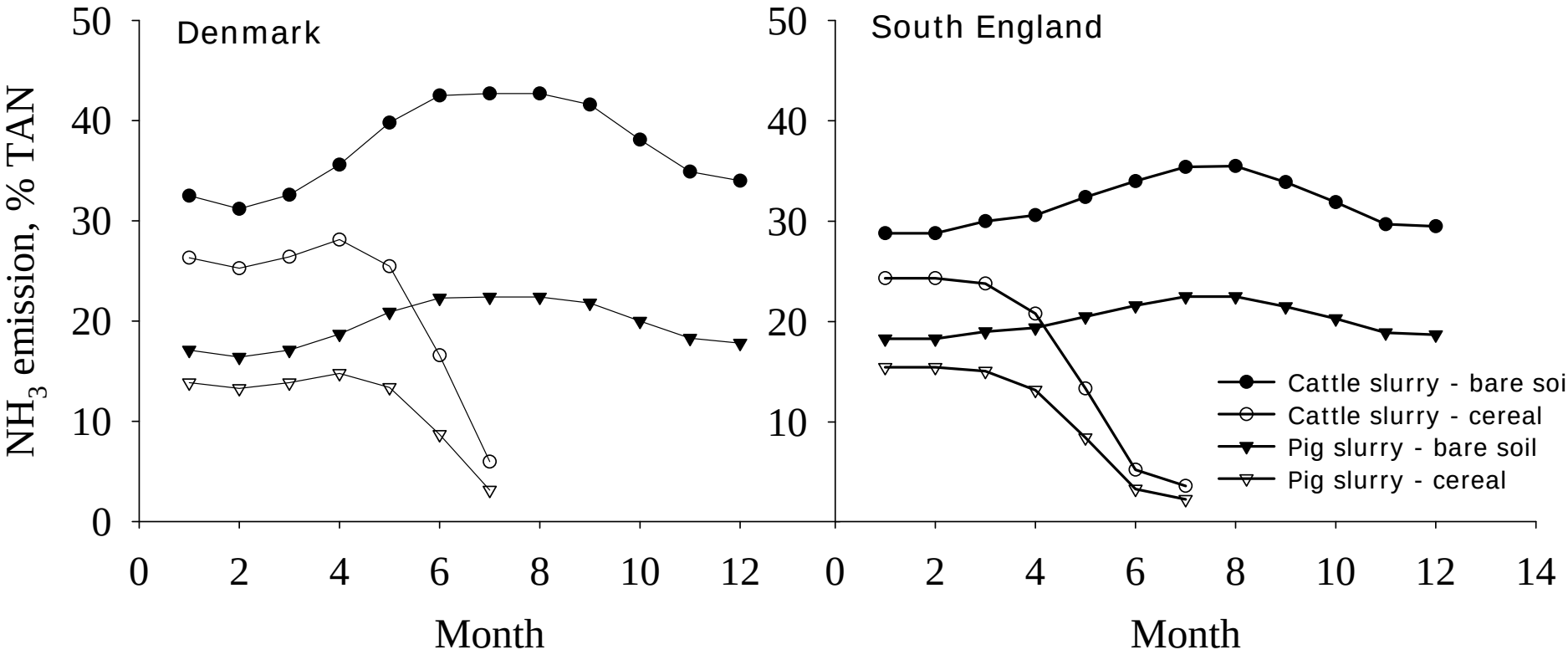

**Trailing hose to cereal**




**Trailing shoe to grass**

***Thorman et al., 2008, Agron. Sustain. Dev.***

# Seasonal emission reduction efficiencies




**Relating reduction efficiencies to soil, weather, slurry variables?**