

Factors influencing the adoption of decentralised fertiliser systems



Economic enablers

- Availability of cheap renewables or renewable grid electricity
- Cooperation between fertiliser manufacturers and farmers (ideally via long-term offtake agreements)
- Consumer demand for agricultural products made with renewable fertilisers
- High dependence on fertiliser imports and global market fluctuations
- Limited access to centralised fertiliser supply chain (high retail prices, transport distances)



Enablers at farm level

- Preferably safe-to-handle fertiliser forms
- Willingness to switch from fossil-based to renewable nitrogen fertilisers

In case of direct ammonia fertilisation:

- Mechanisation and access to special equipment for safe application
- Farmer training for safe handling procedures