

Technology Fact Sheet

Controlled nitrogen fertilizer applicationⁱ

1) Technology status

- Creating a formula to determine the necessary amount of fertilizer; applying fertilizer deep into the ground; growing winter crops to absorb residual nitrogen from previous crops.

2) Social, economic and environmental benefits

- Facilitating production diversification a unit of area.
- Maintaining soil fertility.
- Improving soil physical and biological properties.
- Activating effective and beneficial soil microorganisms.
- Improving efficiency of fertilizer use.

3) Application potential

- Can be practiced on 3.8 million hectares of rice field.
- Can be applied to more than 3 million hectares of other agricultural crops.

4) Barriers

- Excessive nitrogen fertilizer application due to pressure from high productivity demand.
- Lack of an appropriate master plan for crops and crop structure.

ⁱ This fact sheet has been extracted from TNA Report - Mitigation for Vietnam. You can access the complete report from the TNA project website <http://tech-action.org/>