

Technology Fact Sheet

Wet and dry irrigation on rice paddiesⁱ

1) Technology status

- Practicing irrigation on rice fields by using the wet and dry cycle (which lasts about 20-25 days) after tilling. Increasing productivity and reducing methane emissions.

2) Social, economic and environmental benefits

- Saving water and electricity consumption by pumping.
- Increasing yield.

3) Application potential

- On constantly wet rice field area (approximately 1 million hectares).

4) Barriers

- Drainage systems of most rice fields in Vietnam are not completed.
- Farmer understanding of the technology is not sufficient, because they are not used to draining water during rice growth stages.
- Channel systems in many places are not concrete; water leakage is high. This is also an issue of the whole agricultural production system in general and irrigation and drainage in particular.

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/>