

## Technology Fact Sheet

### **Crop rotating technologies to avoid soil organic (SOC) loss<sup>i</sup>**

#### **1) Technology status**

Conservative farming to maintain soil humidity and prevent soil loss. Grow leguminous plants to increase soil nitrogen fixation. Applying appropriate crop rotating techniques to climate and soil conditions.

#### **2) Social, economic and environmental benefits**

- Increasing soil organic carbon.
- Retain soil and soil moisture.
- Diversifying crop products.

#### **3) Application potential**

- Applying this technology to reduce SOC loss on 1 million hectares of annual upland crops (maize, potato, bean, etc.) by 2020 and 2 million hectares by 2030.

#### **4) Barriers**

- Lack of a master plan for crops and crop structure.
- Not enough research on crop varieties.

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<sup>i</sup> 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/>