

Technology Fact Sheet

Cattle genetic modificationⁱ

1) Technology status

Genetic engineering techniques to create new breeds which grow faster, have better tolerance to diseases and higher feed efficiency.

2) Social, economic and environmental benefits

Higher digestion efficiency.

Higher resistance to diseases.

Increasing livestock productivity.

3) Application potential

This technology will be applied first on cow and pig: 70% of the dairy cattle and 50% of the pig population by 2020, 50% of milk cow and 60% of pigs by 2030.

4) Barriers

Lack of planning and investment for cattle breeding farm.

Free-range is still a common practice; farmers pay very little attention to intensive farming to increase productivity.

Fragmented livestock raising makes it hard to apply the technology.

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/>**