D.4 Cost of materials, installation, and maintenance

1. Place roofs and covers over facility to capture gasses

2. Place roofs and covers over facility to exclude precipitation or divert clean water

D.1 (-) Methane released

D.3 (-) Ammonia released

D.5 (+/-) Runoff outlet or conveyance

D.2 (-) Odors

I.4 (+) Nitrogen available for plant growth

I.5 (+) Productivity

I.6 (+) Potential income

I.7 (+/-) Net return to producer

I.11 (+) Water quality

I.9 (-) Waste storage volumes

I.10 (-) Chance of storage overflow

I.12 (-) Soil erosion – gully erosion

I.1 (-) Greenhouse gases

I.2 (+) Potential biogas production; onfarm energy source

I.3 (-) Cost of compliance with future regulation

I.8 (-) Need for commercial fertilizer

I.13 (-) Cost of materials, installation, and maintenance

I.15 (-) Waste storage volumes

I.17 (-) Chance of storage overflow

C.1 (+) Community health and well-being

C.2 (+) Air quality

C.3 (+) Income and income stability (individuals and community)

Initial settings: A manure management system where a roofs and covers practice is placed over a waste management facility or a roof or cover is placed over an agrichemical handling facility to: (1) prevent escape of gasses for odor control, prevention of greenhouse effect, and/or energy production; (2) exclude precipitation; or (3) divert clean water.

Start

LEGEND

Mitigating practice or activity
Associated practice
# Created by practice
D. Direct effect
I. Indirect effect
C. Cumulative effect
Pathway

Notes:
Effects are qualified with a plus (+) or minus (-). These symbols indicate only an increase (+) or a decrease (-) in the effect upon the resource, not whether the effect is beneficial or adverse.