Initial setting: Cropland located in an area identified as not meeting the national ambient air quality standards due to particulate matter or oxides of nitrogen emissions.

1. Adjusting field operations and technologies to reduce emissions of particulate matter (PM) and oxides of nitrogen from field operations.

D.1 (+) Cost to upgrade equipment
D.2 (-) Number of equipment passes
D.3 (-) Soil disturbance
D.4 (+) Strategic timing of field operations
D.5 (+) Alternate field methods or treatment

I.1 (-) Fuel and Maintenance cost
I.2 (-) Soil erosion (wind and water)
I.3 (+) Long-term sustainability of the community
I.4 (+) Water quality
I.5 (+) Air quality
I.6 (+) Long-term sustainability for crop production

C.1 (+) Sustainability of agriculture income
C.2 (+) Sustainability of agriculture production
C.3 (+) Ability to meet air quality standards
C.4 (+) Human health and well-being

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.