



Conservation Practice Overview

July 2022

Field Operations Emissions Reduction (Code 376)

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

Practice Information

This practice is used to reduce particulate emissions, especially the PM-10 and smaller-sized particles during field operations. This practice is applicable only on cropland.

Particulate emissions reduction may be achieved by reducing the number of tillage passes, using GPS guidance to avoid tillage overlap, using dust-reduction technologies on tillage and harvesting equipment, maintaining more crop residue on the soil surface, timing field operations under more moist soil conditions and crop conditions, using dust-mitigation technologies on-field equipment, and by field irrigation to maintain more soil moisture.

Conservation benefits may include but are not limited to improving air quality and visual aesthetics.

Common Associated Practices

NRCS Conservation Practice Standard (CPS) Field Operations Emissions Reduction (Code 376) is commonly applied with CPSs such as Conservation Crop Rotation (Code 328), Cover Crop (Code 340), Residue and Tillage Management, No-Till (Code 329), Residue and Tillage Management, Reduced Till (Code 345), and Irrigation Water Management (Code 449).

For further information, contact your local NRCS field office.

