



## **Clean Agriculture USA**

[www.epa.gov/cleandiesel/agriculture](http://www.epa.gov/cleandiesel/agriculture)



- **What is Clean Agriculture USA?**
  - Part of the National Clean Diesel Campaign (NCDC), Clean Agriculture USA is an innovative program designed to promote the reduction of diesel emissions from agricultural equipment.
- **What is the environmental impact of agricultural equipment?**
  - There are more than 2 million agricultural diesel engines in the field in the U.S.
  - The agricultural sector contributes nearly one-quarter of the nitrogen oxides (NOx) and one-third particulate matter (PM) of all land-based nonroad diesel emissions.
  - There are new regulations in place that will ensure that new engines after 2010 will be the cleanest in the world; however, the legacy fleet in the fields today will continue to contribute significant levels of harmful emissions over the next 20 years.
- **What are the goals of Clean Agriculture USA?**
  - Encourage those with agricultural equipment to:

**REDUCE IDLING:** Eliminating unnecessary idling not only reduces diesel emissions, but reduces fuel costs and engine maintenance costs.

**RETROFIT ENGINES:** Verified technologies, such as Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs), can dramatically reduce diesel emissions.

**SWITCH TO CLEANER FUELS:** Switching to fuels that contain lower levels of sulfur (such as ultra-low sulfur diesel) enhances the effectiveness of retrofit technologies and can have a cleansing effect on the engine that reduces maintenance costs. Other cleaner fuel options are biodiesel and natural gas.

**PROPERLY MAINTAIN EQUIPMENT:** Properly maintained engines run cleaner and are less likely to need costly repairs.

**REPLACE VEHICLES OR ENGINES:** When feasible, replace existing engines with new cleaner diesel engines, hybrid engines or engines compatible with alternative fuels.

**USE CONSERVATION STRATEGIES:** Farmers can adopt strategies such as crop residue management, using conservation-till or no-till farming techniques. These strategies allow farmers to cultivate more crops in less time, while substantially lowering their fuel costs.

- **What funding is available?**
  - Funding opportunities for clean diesel projects can be found at the federal, state, and local levels and can take the form of grants, tax incentives, or supplemental environmental projects.
  - Specific information on funding can be found at:  
[www.epa.gov/cleandiesel/agriculture/grants.htm](http://www.epa.gov/cleandiesel/agriculture/grants.htm)
- **Who can I contact for more information?**
  - Rebecca Russo (US EPA Region 8, Rocky Mountain Clean Diesel Collaborative) at 303-312-6757, [russo.rebecca@epa.gov](mailto:russo.rebecca@epa.gov)
  - Suzanne Stevenson (US EPA Region 8 Agricultural Liaison) at 303-312-6030, [stevenson.suzanne@epa.gov](mailto:stevenson.suzanne@epa.gov)