



Clean Agriculture USA

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 (NO_x) 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
- **Who can I contact for more information?**
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