National Clean Diesel Campaign

Diesel fuel powers more than two-thirds of all U.S. agricultural equipment.

Agricultural equipment emits nearly one-quarter of the NOx and one-third of the PM of all land-based, nonroad diesel emissions.

Diesel-powered machines help make American farmers among the most productive in the world. Over the last few years, stakeholders representing the agricultural sector, including agricultural engine and equipment makers, have been valuable contributors to the development of new regulations that will ensure that new engines after 2010 will be the cleanest in the world. The new engine standards, combined with the cleanest fuels, will reduce overall emissions from these engines by more than 95 percent.

There is, however, a legacy fleet in the fields today that will continue to contribute significant levels of harmful emissions over the next 20 years. Diesel engines produce exhaust containing ozone-forming nitrogen oxides (NOx), particulate matter (PM) or soot, and air toxics. With more than 2 million agricultural diesel engines in the field, the agricultural sector contributes significantly to these emissions.

These pollutants contribute to serious health problems, such as thousands of premature deaths, hundreds of thousands of asthma attacks, millions of lost work days, and numerous other health impacts, including cancer and cardiovascular and lung conditions. These health problems make reducing emissions from diesel engines one of the most important air quality challenges facing the country.

Clean Agriculture USA

Reaping Cleaner Emissions Through Partnerships

Clean Agriculture USA is a voluntary, incentive-based program designed to reduce diesel emissions from agricultural equipment. Through the program, EPA has set a goal of achieving significant diesel emission reductions in the agricultural sector over the next 10 years.

Clean Agriculture USA is one component of EPA's **National Clean Diesel Campaign (NCDC)**, a voluntary initiative designed to reduce the pollution emitted from diesel engines across the country through the implementation of varied control strategies and the sustained involvement of national, state, and local partners.

How Does Clean Agriculture USA Help?

Clean Agriculture USA brings partners together to identify and develop cost-effective diesel emission reduction initiatives. Over a 5-year period, EPA has developed a number of voluntary programs designed to reduce emissions from the nonroad diesel fleet. EPA provides technical support to project partners and verifies the effectiveness of retrofit technologies. Retrofit programs are among the most cost-effective measures for particulate matter control.

Through the Clean Agriculture USA program, farmers, agriculture corporations, agriculture equipment manufacturers, and related groups can reduce diesel emissions.

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What Can You Do?

There are many ways you can reduce the diesel emissions from agricultural equipment, including:

- Retrofitting existing diesel equipment with verified technologies, such as diesel oxidation catalysts and diesel particulate filters.
- Using cleaner fuels such as ultra-low sulfur diesel and biodiesel.
- Replacing the engine in an older diesel machine, or replacing the entire machine.
- Keeping equipment well-maintained.
- Reducing engine idling.

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Where Can I Get More Information?

Visit the National Clean Diesel Campaign Web site at: **www.epa.gov/cleandiesel**