

Summary of California Air Resources Board's
**Proposed Regulation to Reduce Emissions of Diesel Particulate Matter, and Other
 Pollutants from In-use Heavy-Duty Diesel-Fueled Vehicles**

Version Date: **October 24, 2008**

Applicability –

This regulation applies to all trucks and fleets operated within the state of California.

Exemptions –

There are a few listed exemptions. Those applicable to agriculture are as follows:

- Pick-ups and other vehicles w/ GVWR < 14,000 pounds
- Off-road vehicles
- “Low use” vehicles (must operate less than 100 hours and 1000 miles per year)
- **Limited-Mileage Agricultural Vehicle** – exempt until January 1, 2017, an agricultural vehicle that operates less than 15,000 miles (pre-1996 model year engine), 20,000 miles (1996 through 2005 model year engine), or 25,000 miles (2006 or newer model year engine).
- **Low-Mileage Agricultural Vehicle** – exempt until January 1, 2023, an agricultural vehicle that operates less than 10,000 miles per year.
- **Specialty Agricultural Vehicle** – exempt until January 1, 2023, an agricultural vehicle that is a nurse rig, cotton module mover, water truck, feed truck or mixer-feed truck used exclusively at feedlots.
- “NOx Mileage Exempt Vehicles” - limited to heavy heavy-duty vehicles (GVWR>33,000 lbs.) operated less than 7,500 miles, and medium heavy-duty vehicles (14,000 lbs. < GVWR <33,001 lbs.) operated less than 5,000 miles. **[Still requires diesel particulate filter (DPF); and replacement of the truck by December 31, 2020 & Electronic Tracking System for hours of use]**

Rule Requirements –

Truck emissions must be reduced to achieve compliance with one of the following three (3) options:

Option 1 -

Phase 1 (PM BACT) - Trucks must have a Verified Diesel Emission Control System (VDECS) for PM or an engine originally equipped with a diesel particulate filter.

Phase 2 (NOx BACT) - Trucks must have a 2010 model or newer engine, or meet the emissions level of a 2010 engine.

Truck emissions must be reduced according to the following schedule:

Phase 1 – PM BACT	
Engine Model Year	Compliance Deadline as of January 1, 2014
Pre-1994	2011
2003 – 2004	2012
2005 – 2006	2013
All other model years	2014
Phase 2 – NOx BACT	
1994 - 1999	2013
2000 - 2002	2014
Pre-1994	2015
2003 - 2004	2016
2005 - 2006	2017
2007	2021
2008	2022
2009	2023

Option 2 –

Owners may, at their option, may comply with the following performance requirements:

Compliance Deadline, as of January 1	% of Total Fleet Complying w/ BACT	
	PM BACT	NO _x BACT
2011	25%	NA
2012	50%	NA
2013	75%	25%
2014	100%	50%
2015	100%	60%
2016	100%	70%
2017	100%	80%
2018	100%	80%
2019	100%	80%
2020	100%	90%
2021	100%	90%
2022	100%	90%
2023	100%	100%

Note: PM BACT is same as Phase 1 description and NO_x BACT is same as Phase 2 description

Option 3 –

Owners may, at their option, include all of their vehicles in the fleet averaging provisions.

Compliance Deadline, as of January 1	Fleet NO _x Targets for each Compliance Deadline (g/mile)	
	MHD	HHD
2012	8.5	14.4
2013	5.8	9.8
2014	5.8	9.8
2015	4.6	7.8
2016	4.0	6.0
2017	4.0	6.0
2018	4.0	6.0
2019	3.2	4.4
2020	3.2	4.4
2021	1.6	3.0
2022	0.8	1.6

Compliance Deadline, as of December 31	Fleet PM Targets for each Compliance Deadline (g/mile)	
	MHD	HHD
2011	0.38	0.71
2012	0.29	0.53
2013	0.17	0.32
2014	0.06	0.11
2015	0.06	0.11
2016	0.06	0.11
2017	0.06	0.11
2018	0.06	0.11
2019	0.06	0.11
2020	0.06	0.11
2021	0.06	0.11
2022	0.06	0.11
2023	0.06	0.11

Small Fleet Options –

Fleets with one or two vehicles –

- One vehicle must be equipped with a 2004 or later model year engine with a diesel particulate filter (DPF) by January 1, 2013, and then meet PM BACT and NOx BACT by January 1, 2018.
- The second vehicle must meet PM BACT and NOx BACT by January 1, 2014.

Fleets with three vehicles –

- One vehicle must be equipped with a 2004 or later model year engine with a diesel particulate filter (DPF) by January 1, 2013.
- The second vehicle must be replaced with a 2010 model year engine by January 1, 2014.
- The remaining vehicle must be replaced with a 2010 model year engine by January 1, 2016.

Reporting Requirements –

Vehicles in Agricultural Fleets – By January 31, 2009, and every year thereafter, an agricultural fleet owner must report their vehicle information for all vehicles to the ARB. The vehicle information must include the type (i.e. low-mileage-, limited-mileage, specialty vehicle, or other), the mileage, and any vehicle that has been replaced. Also included is the owner information, detailed vehicle and engine information.

Ag Vehicle Labeling Requirements –

Within thirty days of the reporting date, fleet owners must permanently affix or paint an AG identification label on each low-mileage, limited-mileage, and specialty agricultural in the fleet according to the following specification:

1. The letters AG shall be black on a white background. Both letters shall be at least three inches high on a five by eight inch background,
2. The label shall be located in clear view on the left and right door of the vehicle.

IMPORTANT NOTE: This is only a summary of the proposed regulation and not intended to be all inclusive. This summary is being provided as a service to the agricultural industry. Although every effort has been made to ensure accuracy and completeness of this information, the California Cotton Ginners and Growers Association cannot be responsible for any errors or omissions, nor any agency's interpretations, applications and changes of the regulations described herein. For complete details including reporting requirements and special requirements regarding adding vehicles to your fleets, please see the entire regulation at ARB's website at www.arb.ca.gov.