



United States Department of Agriculture



## State Technical Advisory Committee

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Natural  
Resources  
Conservation  
Service

[nrcs.usda.gov/](https://nrcs.usda.gov/)

## 376 – Field Operations Emissions Reductions

(376) Field Operations Emissions Reductions

Processing woody debris from orchard/vineyard removal

- Fuel for biomass powerplants: \$301.19/acre
- Air curtain burner: \$125.61/acre
- All other chipping scenarios: \$1090.69/acre

Resource Concerns: Ozone, PM, GHG, Odors, and Airborne Reactive Nitrogen





(376) Utilize “low-dust” harvesters: \$66.82/acre

- Many producers rely on jobbers
- Already owning and using low-dust harvesters means the PM resource concern has been met.
- Resource Concerns: PM

NRCS “Low Dust” Harvester List

Make	Models
Exact Corporation	E-3800, E-4000, E-7000-SP
Flory Industries	680, 8550, 8600, 8700, 8770
Jackrabbit	Harvester
Weiss-McNair	9800 California Special, 9810, Magnum X

New technology continues to be introduced to the market.

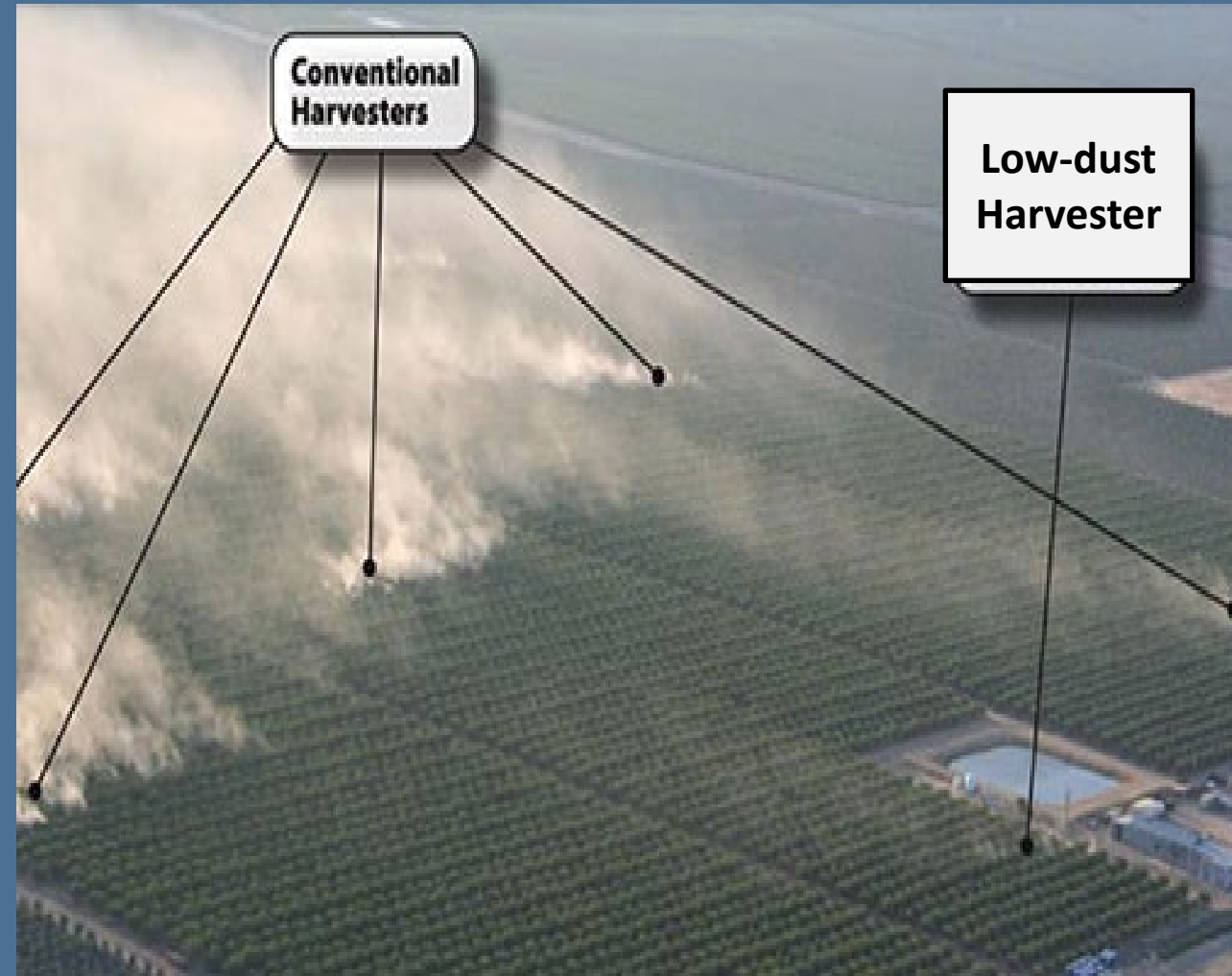


Photo from: Exact Corp [Nut Harvesting Equipment | Harvest Dust Control \(exactcorp.com\)](http://exactcorp.com)







## FY 2024 EQIP AQ Payment Rates

### (372) Replace in-use mobile diesel-powered equipment

- 25-160 bhp: \$517.85/bhp | >160 bhp: \$806.60/bhp
- Specialty Scenario added for low dust harvesters, conditioners, loaders - \$1174.80/bhp

### (372) Repower irrigation pump engines (also includes stationary engines)

- New electric motor, <12 hp: \$1,344.02 to \$39,435.76 per motor
- New diesel engine, 50+ bhp: \$121.02/bhp

Resource Concerns: NO<sub>x</sub>, Ozone & PM



# Emerging Technology

