



RESPIRATORY ASSESSMENT

COA DEPARTMENT: _____

SUPERVISOR NAME: _____

DATE: _____

EMPLOYEE NAME AND TITLE: _____

There are numerous respiratory hazards that are associated with working in agriculture.

In order to assess each employee's exposure to respiratory hazards, please complete this hazard assessment form. Mark all that apply.

Hazard

DUSTS

- ☐ Organic Dust
- ☐ Molds, bacterial endotoxin
- ☐ Grain
- ☐ Inorganic dust

GASES

- ☐ Animal confinement gases:
- ☐ Ammonia, hydrogen sulfide
- ☐ Nitrogen dioxide
- ☐ Anhydrous ammonia
- ☐ Carbon monoxide
- ☐ Zinc oxide, metal fumes

CHEMICALS

- ☐ Pesticides (organophosphates, paraquat)
- ☐ Laboratory
- ☐ Disinfectants, chlorine, solvents

INFECTIOUS MICROORGANISMS

- ☐ Anthrax, Q fever, psittacosis, tularemia, blastomycosis, Hantavirus pulmonary syndrome

Source

Animal confinement, silos, grain production/storage

Plowing, tilling, harvest, picking fruit

Manure decomposition in hog, cattle, and poultry animal confinement

Fermented grains in silos

Liquid fertilizer

Pressure washers, kerosene heaters, gas engines indoors

Welding

Pesticide application, intentional or accidental ingestion

Toxic chemicals

Dairy operations

Infected soil and water, domestic swine, cattle, goats, sheep, rodents

Diseases/Illnesses

ODTS, FHP, Chronic bronchitis, sinus conditions, asthma,

Aggravation of underlying respiratory conditions, bronchitis

ODTS, chronic bronchitis, sinus conditions, mucous membrane inflammation, Pulmonary edema respiratory arrest

Silo-filler's disease Bronchiolitis obliterans

Corneal/laryngeal burns
Bronchiolitis obliterans

Respiratory arrest, coma, neurologic damage
pulmonary edema

Metal fume fever

Bronchospasm, pulmonary secretions, respiratory arrest, pulmonary fibrosis

Multiple respiratory diseases

Respiratory irritants, Reactive airway dysfunction syndrome (RADS)

Viral-like illnesses, pneumonia, meningitis, inhalational anthrax

Major Types of Respirators (Check all that apply)



Half mask/Dust mask
APF=10
Needs to be fit tested

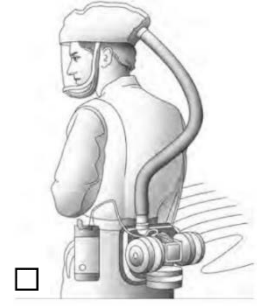
NIOSH only



Half mask (Elastomeric)
APF=10
Needs to be fit tested



Full facepiece (Elastomeric)
APF=50
Needs to be fit tested



Loose-Fitting Powered Air-Purifying Respirator (PAPR)
APF= 25



Hood Powered Air-Purifying Respirator (PAPR)
APF= 25



Full Facepiece Supplied-Air Respirator (SAR) with an auxiliary Escape Bottle
APF=1,000
APF = 10,000 (if used in "escape" mode)
Needs to be fit tested



Full Facepiece Abrasive Blasting Continuous Flow
APF=1,000
Needs to be fit tested



Full Facepiece Self-Contained Breathing Apparatus (SCBA)
Pressure demand mode is APF=10,000
Needs to be fit tested



Half mask/Dust mask

Dust Mask only

Duration of respirator use

- ☐ Escape only (no rescue)
- ☐ Emergency rescue only
- ☐ Less than 2 hours per use
- ☐ 2 to 4 hours per use
- ☐ More than 4 hours per use

Expected physical work effort

- ☐ Light/Sedentary
- ☐ Moderate
- ☐ Strenuous
- ☐ Very Strenuous

Frequency of respirator use

- ☐ Less than 5 times per year
- ☐ 5 to 10 times per year
- ☐ About once per month
- ☐ About once per week
- ☐ Other: _____