


Agricultural Respirator Selection Guide

Use Only NIOSH Approved Respirators

Disposable Particulate Respirators

3M 8210 N95

- Grain
- Hay
- Hogs
- Pesticides (solids)
- Poultry
- Sanding
- Woodworking



3M 8511 N95

Exhalation Valve


- Grain
- Grinding
- Hay
- Hogs
- Pesticides (solids)
- Poultry
- Sanding
- Woodworking



3M 8247 R95

Charcoal Filter

- Hog Odors
- Poultry Odors
- Nuisance Odors
- Oil and non-oil based particles



3M 8271 P95

- Grain
- Grinding
- Hay
- Hogs
- Poultry
- Sanding
- Woodworking




3M 8577 P95

- Oil and non-oil based aerosol particles
- Carbon Filter
- Hog Odors
- Poultry Odors
- Nuisance Odors



3M 8233 N100

- Grain Dust
- Grain Handling
- Grinding
- Hay
- Mold
- Pesticides (solids)
- Spores
- Welding



Reusable Particulate and Gas/Vapor Respirators


Organic Vapor/Acid Gas

- Disinfectants
- Bleach




Ammonia

- Anhydrous Ammonia
- Hogs
- Poultry




Organic Vapor

- Paint
- Pesticides
- Add particle filter if spraying



Multi Gas

- Paint
- Pesticides
- Disinfectants
- Bleach
- Formaldehyde




Cartridge Face Piece
Use with Cartridges and Particulate Filters



Particulate Filter P100

- Feed or Grain Dust
- Hogs
- Mold
- Organic Dust
- Poultry
- Spores
- Welding
- Woodworking



Filter Retainer
• Use on top of cartridges



Filter Cover

Other Types of Respiratory Protection

Powered Air Purifying

Use Appropriate Filter/Cartridge

- Grain Handling
- Livestock & Poultry Confinement
- Pesticides
- Woodworking

**Not for use in an oxygen deficient environment*




Supplied Air/SCBA

- Carbon Monoxide
- Fumigation (enclosed areas)
- Hydrogen Sulfide
- Methane
- Manure Pits
- Paint



Self Contained Breathing

- Carbon Monoxide
- Hydrogen Sulfide

(manure pits)

- Methane
- Silo entry

Particulate Filter N95

Use as Pre Filter with Cartridges

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Airborne (or Respiratory) Hazards may result from either an oxygen deficient atmosphere or breathing air contaminated with toxic particles, vapors, gases, fumes or mists. The proper selection and use of a respirator depend upon an initial determination of the concentration of the hazard or hazards present in the workplace, or the presence of an oxygen deficient atmosphere.

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Which Respirator is Right for the Farm Work You Do?

Do you have any respiratory exposures?
Examples: Working with hogs, cattle, dairy, poultry, grain, tobacco, cotton, pesticides, chemicals, silos and welding

Consider Your Exposures

Most farm activities put you at risk for some type of respiratory exposure causing a need for respiratory protection.

Are you exposed to dust/aerosols?

Grain, Hay, Hogs, Pesticides (solids) Poultry, Mold, Grain Dust

Consider the Following Options:

- Filtering Facepiece Respirator
- Half Facepiece Respirator with P100 Filters
- Full facepiece respirator with P100 Filters
- Powered Air Purifying Respirator (PAPR) with HEPA filter



Are you exposed to chemicals?

Pesticides (Organic Vapors), Ammonia, Disinfectants, Bleach (Acid Gas)

Consider the Following Options with appropriate cartridges or filters:

- Half Mask Cartridge Respirator
- Powered Air Purifying Respirator (PAPR)



Do you work in an oxygen deficient environment*?

Livestock and Poultry Confinement, Grain Handling, Fumigation, Manure Pits, Hydrogen Sulfide, Silo

Use one of the following:

- Self Contained Breathing Apparatus (SCBA)
- Combination Supplied Air Respirators / SCBA



*An example of an oxygen deficient environment is a confined space where there would not be enough oxygen.

Recommendations and Resources

Fit Testing - choosing the right respirator with the right fit is essential to having adequate protection. Tight fitting respirators should be fit tested at least annually, and fit checked with each use. To find out more information about proper fit contact AgriSafe Network. www.agrisafe.org

Occupational Safety and Health Administration (OSHA) requires medical evaluation before any employee can be fit-tested for wearing a respirator. If you have a medical condition that would prohibit you from wearing a respirator consult a health care provider.

Example: heart conditions, lung conditions such as asthma or emphysema, uncontrolled hypertension or claustrophobia