









International Gear Up for Ag Team











Canadian Gear Up for Ag Team



Alberta



Saskatchewan



Ontario



Nova Scotia/ Maritimes



David Sullivan
Director of Programs



Jenna Gibbs, MPH, PhD Director of Operations



Stefan Mandic-Rajcevic
Director of Digital Learning
£ Innovation



Alex Beach Virtual & Graphic Design Specialist



Euvonne Hickey Program Manager













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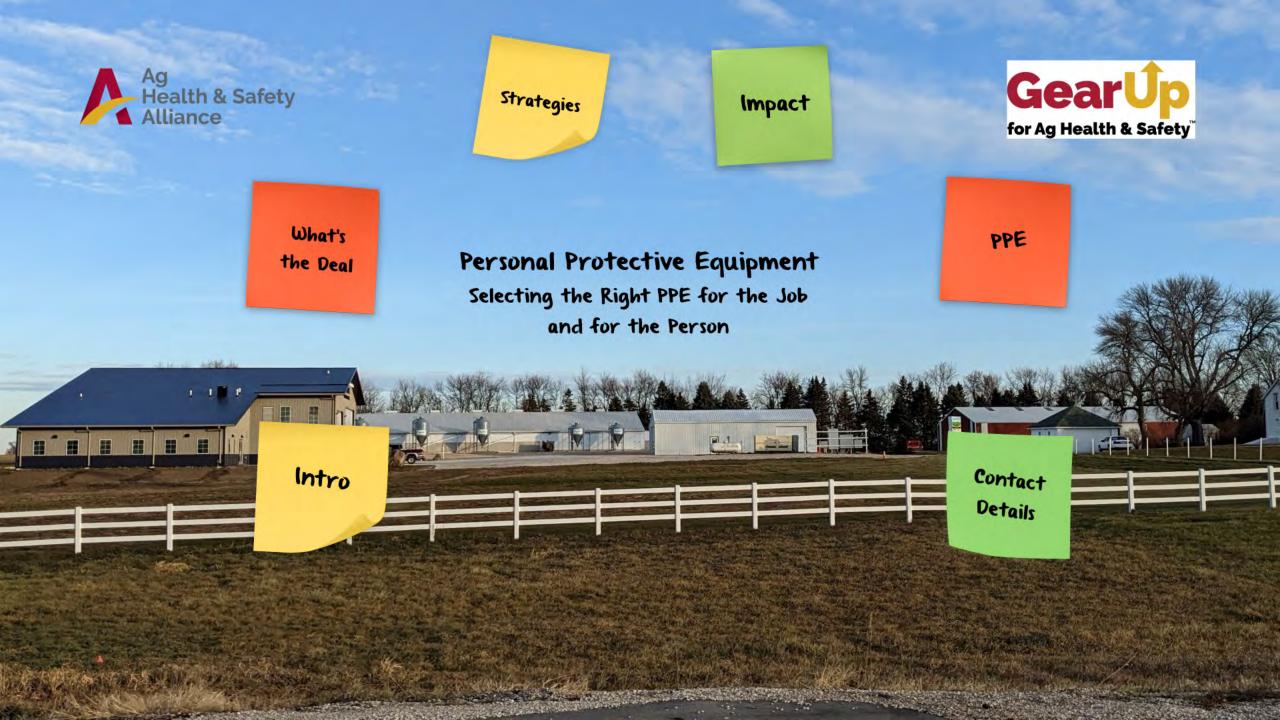


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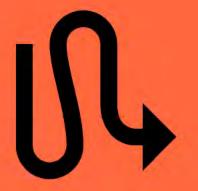




Course Objectives £ Agenda

COURSE OBJECTIVES

Integrate the anticipation, recognition, diagnosis, treatment, and prevention of occupational and environmental illnesses and injuries within rural and agricultural communities.



8:00 Injury Prevention Using the Industrial Hygiene Paradigm

9:00 Agricultural Resources for Health Professionals

9:30 General Environmental Hazards in Agriculture

10:30 Break

10:45 Selecting the Right PPE for the Job and for the Person

12:15 Lunch

1:15 Respirator Fit Testing

2:45 Integrating Safety and Health Into Health Care Practice

3:45 Final Questions and Review

PPE & Resources

Personal Protective Equipment (PPE)

- · Safety Glasses
- . N95 Respirator
- · Hearing protection
- · Chemical Gloves
- · Gear Up for Ag Bag







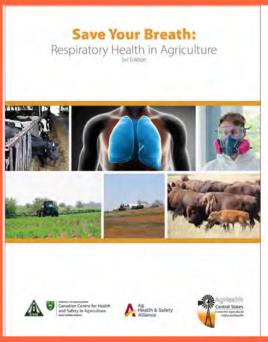


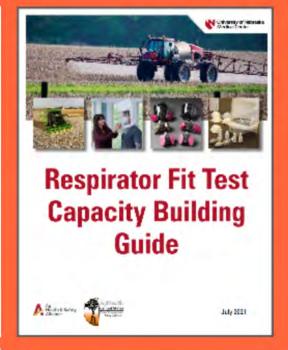


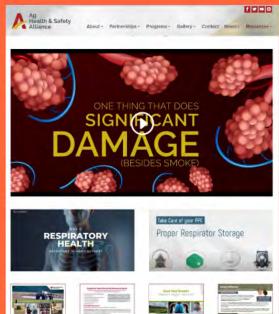
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- · Hearing protection
- · Chemical Gloves
- · Gear Up for Ag Bag









Respirator Fit Test Capacity Building



Exposures in Ag



Chemicals



Working Long Hours



Animal Handling



Respiratory Hazards



Zoonotic Diseases and other Illnesses



Technology



Machinery



Extreme Weather & Environment















Training Materials for Swine Workers













Extreme Weather & Environment











40% of person's body heat can be lost when head is left exposed

Wear Appropriate **Cold Weather Gear**

Layer synthetic or wool clothing

footwear







For use in moderate ice

For ice over deep snow



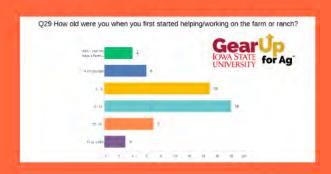




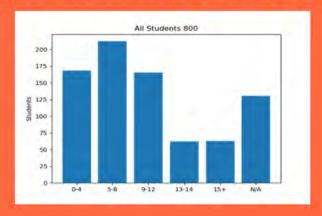




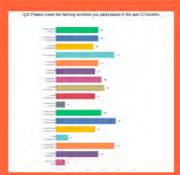
The Survey - responses from Ag Students



Farm Kids Start Early US, Canada, Denmark, Sweden, Australia

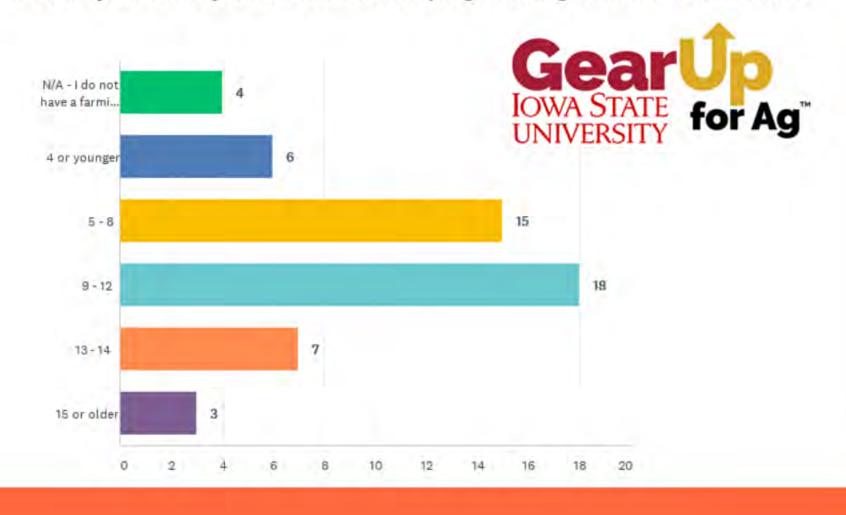




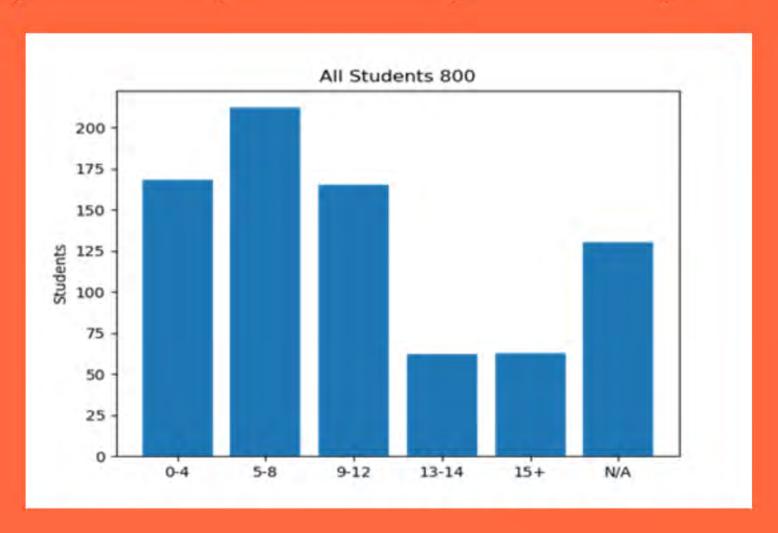


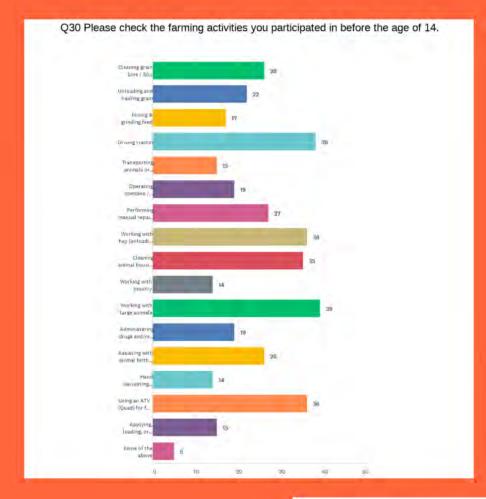


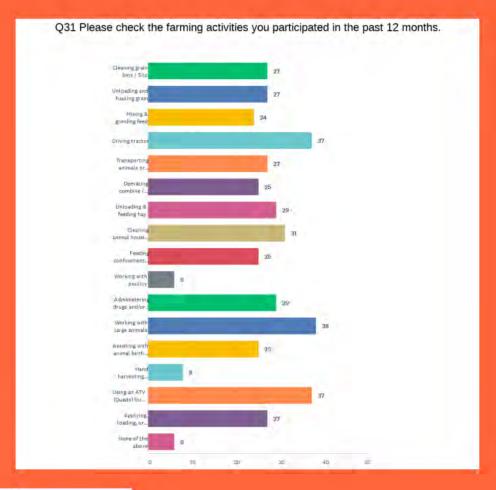
Q29 How old were you when you first started helping/working on the farm or ranch?



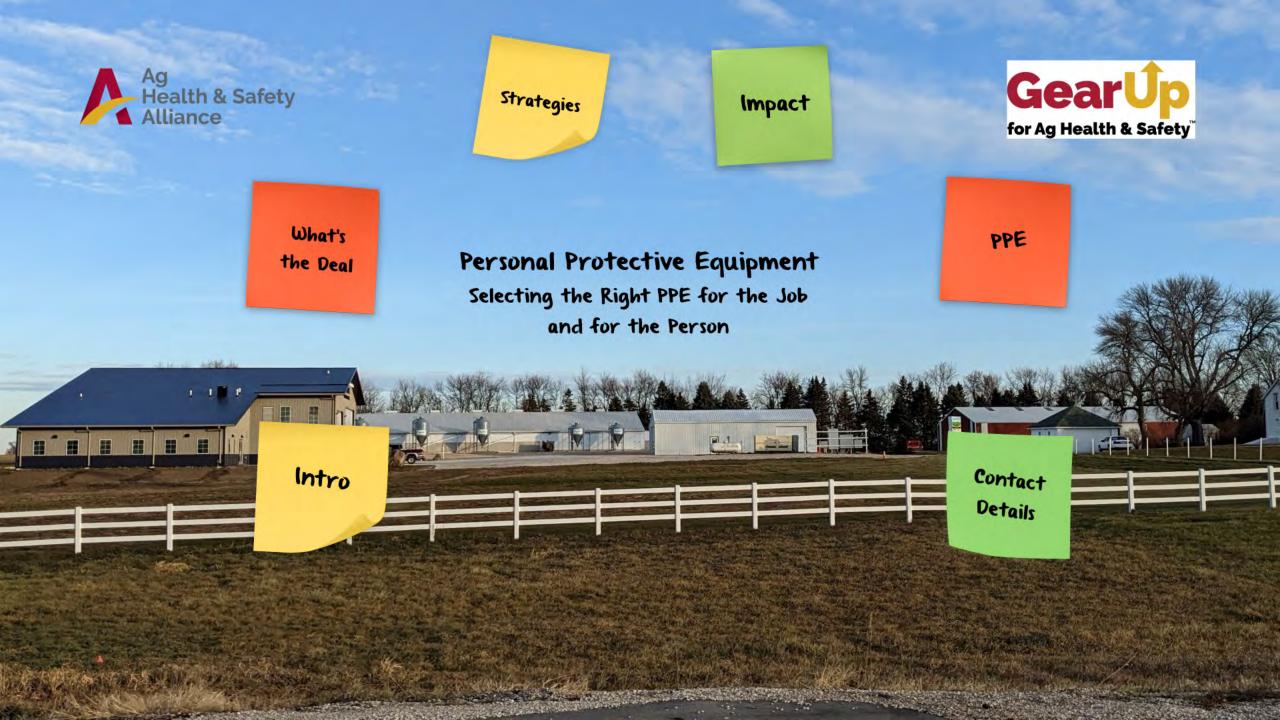
Farm Kids Start Early US, Canada, Denmark, Sweden, Australia











Prevention Strategy

Step #1

Understand Agriculture
Occupational Hazards

Health

and Safety

Step #2

Understand how the hazards impact you and your clients

Step #3

Determine your strategy to be part of prevention strategies.

Step #4

Understand
Personal Protective Equipment

Can you eliminate, substitute, engineer or apply administrative controls?

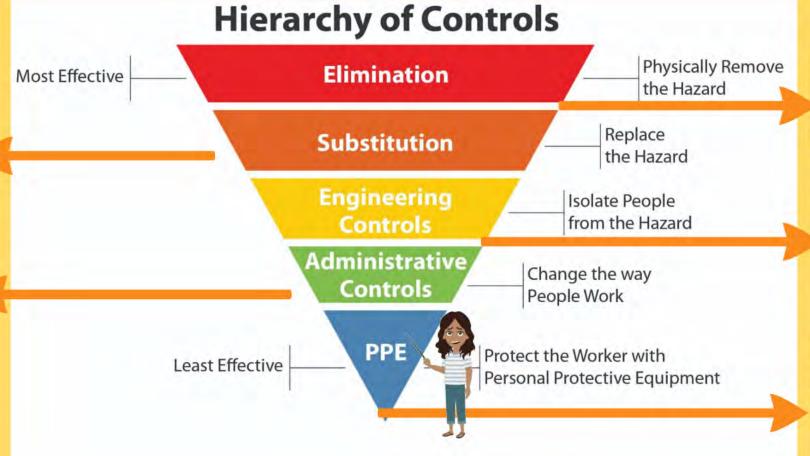
Strategy

















ATV Safety











BE VISIBLE

NO EXTRA RIDERS

WEAR PERSONAL PROTECTIVE EQUIPMENT

INFORM FAMILY & PEERS ABOUT LOCATION









Data varies but consistently

OVER

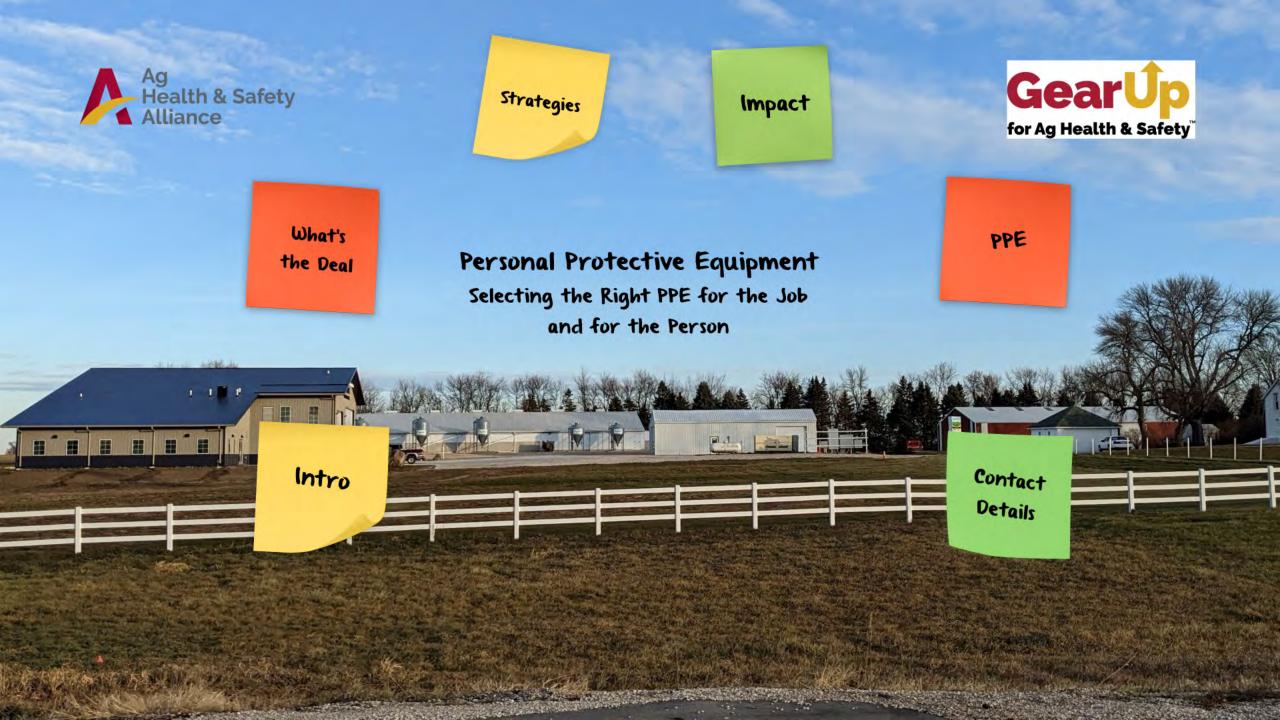
50% of U.S. & Canadian students report rolling an ATV/Quad

Things we can do Personal Protective Equipment

- · Wear Helmet
- · Goggles /Safety Glasses
- · Wear Gloves
- · Wear Sturdy Boots
- · Crush Protection Device
- · Select ATVs with Safer Design

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Impact of Hazards on Your Body

skin

eyes



ears

lungs

Personal Protective Equipment (PPE)

- · Right PPE for the Job with the Right Fit
- · Proper Care
- · Storage
- · Have PPE in the right place

GearÚp

What about the cost? Where can you buy it?



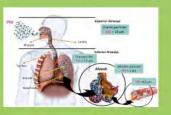
What about the cost? Where can you buy it?

Gear Up	PPE Worksheet	Name:		
What are your hazards?				
What Persona	l Protective Equipment (PPE)	do you need?		
Head ✓ 3" brim ✓ ANSI Z89.1 ✓ CSA Z94.1	Sun Safe Hat - COST varies Donated by Coolibur - Value is \$45 Hard Hat - COST Varies	4.		
Eyes ✓ Right Size & Shape ✓ 99% - 100% UVA/UVB ✓ ANSI 287.1/ CSA 294.3	Safety Glasses Clear - COST; \$2.10 Safety Glasses Tinted - COST: \$3.25 M™ SecureFit with foam COST: \$ 8.50 Goggles COSTS: Honeywell Uvex Futura COST: \$12.50 Honeywell Uvex Stealth* COST: \$18.00 Welding Helmet: COST varies			
Ears ✓ NRR Rating ✓ Noise above 85dB ✓ Good fit	Earmuffs (3M Peltor) COST: \$17.00 Ear Plugs: COST: \$2.00 per pair for no-touch type Moldex Rock bands - Cost: \$6.50 ea			
Body ✓ Read Label	Reusable chemical resistant gloves COST: \$2.20each Single Use chemical resistant glove COST: \$25 box of 50 pairs/ 5.05 pai Chemical Resistant Boots: COST vai Coverall- COST: \$8 - \$10 each	s ir		
Skin ✓ SPF 30 ✓ UPF 30	Sun Safe Hat- COST varies Donated by Coolibar(value \$45) Sun Safe Clothing- COST varies Sunscreen – COST varies	22		
Feet ✓ ASTM F-2412-1005 ✓ Chemical Resistant	Work Shoes Steel Toed Shoes Chemical Resistant Boots Cramp on ice cleats COST for all items varies	2 5		

Lungs







Risk Factors Asthma Smoking Occupational exposures

Symptoms
cough
shortness of breath
sore throat
headache

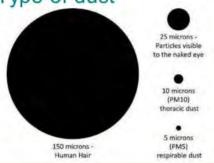


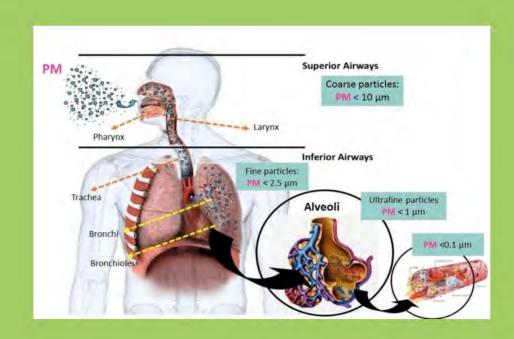


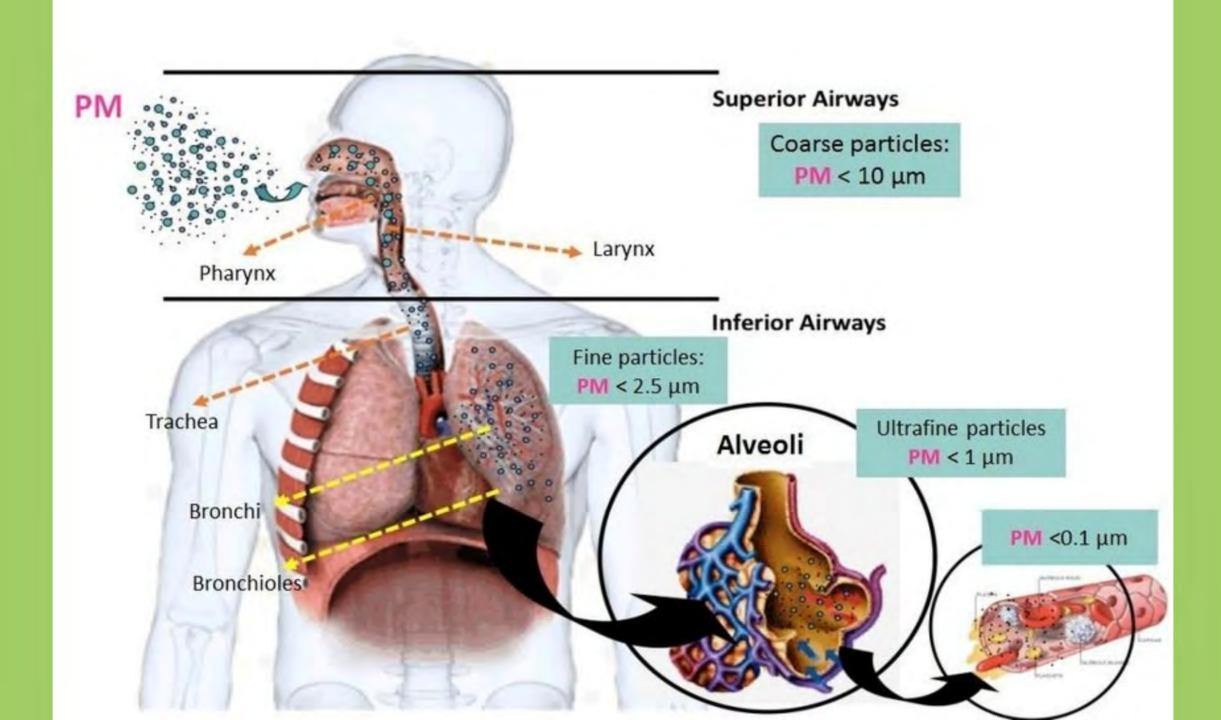
How much Dust is a problem?

- Depends upon
 - Amount of dust
 - Size of the dust particles

- Type of dust







Risk Factors

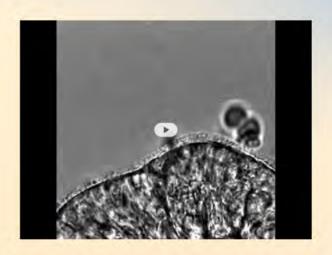
Asthma

Smoking

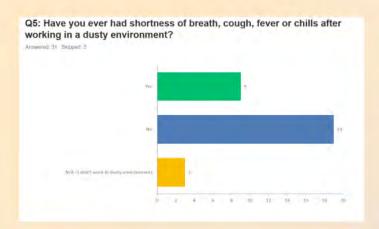
Occupational exposures

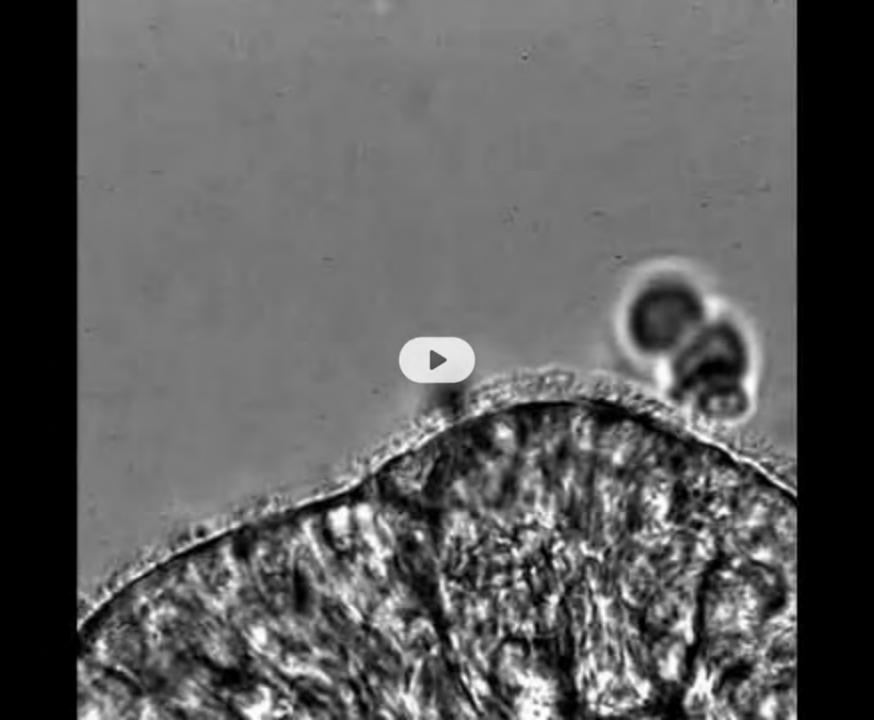
Symptoms
cough
shortness of breath
sore throat
headache





thave you ever had shortnesss of breath, cough fever or chills after working in a dusty environment?





Lung Protection

Right Respirator for the Right Job with the Right Fit







Save Your Breath:

Respiratory Health in Agriculture



















Respirator Selection Quick Reference Guide

In agriculture, you may encounter hazardous particles in the air while you are working. A respirator can protect you from breathing in these particles.

To select and use the appropriate respirator:

- √ Identify the hazard
- ✓ Understand the hazard
- ✓ Select the appropriate respirator
- ✓ Use NIOSH approved respirators

Disposable Respirators

- √ Have your respirator fit tested
- ✓ Do a user seal check

Generally single use but repurposing may be appropriate in some situations.

N95 filtering facepiece respirators are the most common types of disposable respirators. They are used in agriculture for working with hay, handling grain, in livestock housing, with infected livestock, and while welding or shop work. They are also recommended for use when working with moldy materials. Certain types of pesticide labels will recommend the use of N95 respirators.

Organic Dust, Mold, Livestock, Poultry, Hogs, Cattle, Hay, Grain.

- Exhalation value

· Good for long.

periods of wear

Good for large

face shapes

Disposable Respirator Examples

Uses

Benefits



Least earnersive

Durable.



- Exhalation valve

Small face shape

Indiv. packaged





· Exhatation valve

oil mist.

Good for use with



Good straps

100% officient

Longer usu

Good seal

NIOSH Approved: A respirator must be certified

by the National Institute for Occupational Health

and Safety (NIOSH) and worn properly to provide

appropriate protection. NIOSH's classification ratings

describe the ability of the device to protect the

wearer from dust and liquid droplets in the air.





Exhalation value Economical option for welders

- Exhabition valve

Particulate Filter Types: NIOSH-approved filters are rated as N95, R95, P95, N99, R99, P99, N100, R100 or P100. The number 95, 99 or 100 (99,97%) indicates the percent NIOSH filtration efficiency. N Series: Used in particulate environments free of oil aerosols. R Series: Used for oil and non-oil particulate environments free of oil aerosols. R Series: Used for oil and non-oil particulate. limitations specified by NIOSH. P Series: Used for oil and non-oil particles with time use limitations specified by manufacturer

Exhalation valves are designed to improve breathability by releasing hor, humid exhaled breath quickly, helping to reduce freat build-up and moisture inside the facepiece. This can help prevent fogging of glasses. An exhalation valve can also permit the exhalation of viruses and should not be worn for protection during a pandemic.

Non-Respirator

These mask types are not certified by NIOSH for use as a respirator and will not provide protection from occupational or agricultural hazards. They are only effective for nuisance dusts and can help prevent the spread of viruses.







Reusable Respirators

Reusable Respirators are cost effective options that offer protection from hazardous gases, vapors, and particles found in many agricultural environments.

Half Facepiece Different sizes available, can add cartridges.







Pink or Wh **Particulate** below to also filter particulates. Pre-Filter

Organic Dust, Grain, Feed, Hogs, Poultry, Welding, Mold, Woodwarking, Shopwark Can be used with the gas cartridges

Posticides Paints

Organic Vapo Use Pre-Filter/Filter Cover Black





Yellow Paints, Disinfectants, Bleach Use Pre-Filter/Filter Cover

mber: Schedule times to change your cartridges based on a) the outdate on the product label, b) when it becomes difficult to breath, or c) when you can taste or smell the hazard.

Advanced Respirators

Organic Vapor

Acid Gas

Powered Air Purified Respirator (PAPR):

Use for cleaning out grain bins, working with hay, in dusty livestock buildings, shop work (grinding, cutting), power washing, pesticide handling (with cartridges if label specifies). Can be used with a beard or medical condition such as asthma, claustrophobia, heart, or lung conditions.

tridg

Self Contained Breathing Apparatus (SCBA):

Use in confined spaces that may be low in oxygen such as storage bins, tankers, and manure pits with high levels of hydrogen sulfide. An SCBA should be used in situations where airborne hazards are immediately dangerous to life and health.



Assigned Protection Factor

The assigned protection factor (APF) describes the decrease of harmful substances in inhaled air. It is used to describe how well a respirator can protect someone. The higher the number the higher the APF. The protection factor is only true if the respirator fits the wearer and is being used properly.



Respirator Fit Test: Everyone has a unique face size and shape. A fit test should be conducted by qualified personnel before an individual wears the respirator in a hazardous environment.

User Seal Check: Do not confuse a fit test with a user seal check. Once you have identified a fitting respirator, a "seal check" should be performed each time you wear the respirator to make sure It is properly on the face and adjust as needed.









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Respirators





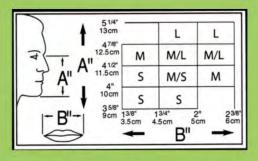
Fit Check Versus Fit Test





Note: If a respirator is listed on a pesticide for agricultural use, then you should recieve a respirator fit test.





What you get!

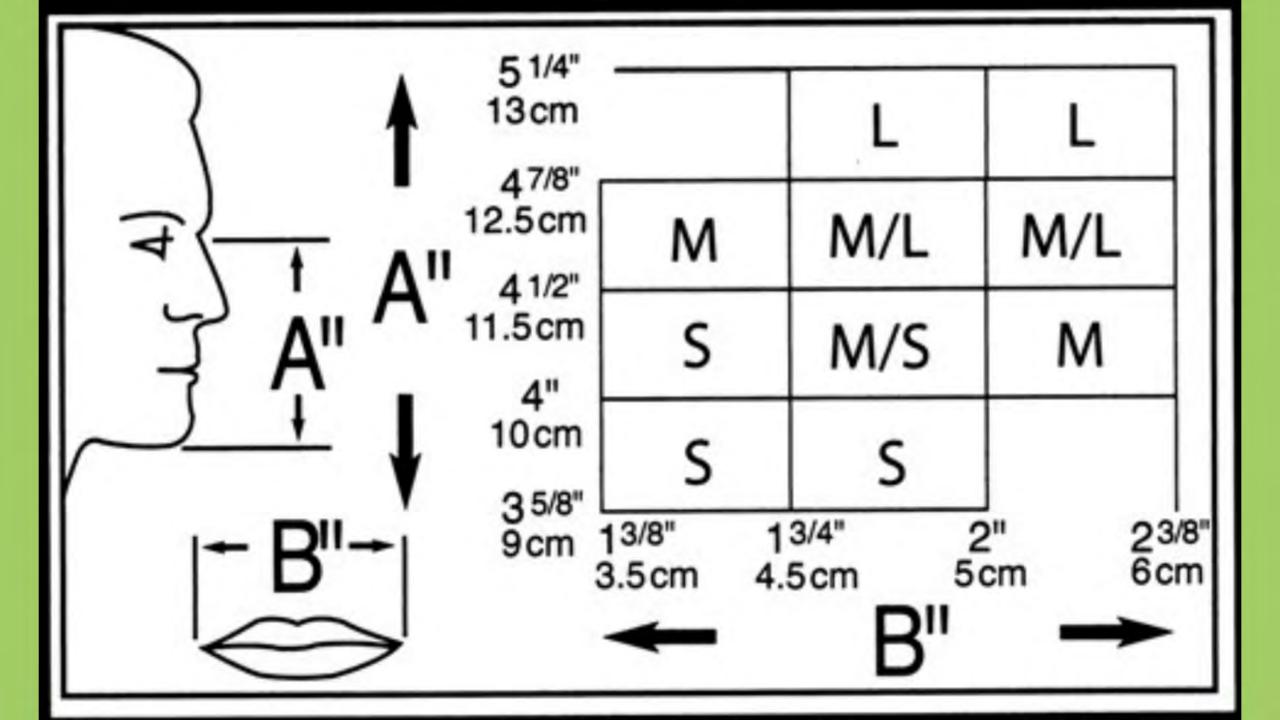




What you need if you are at high risk!



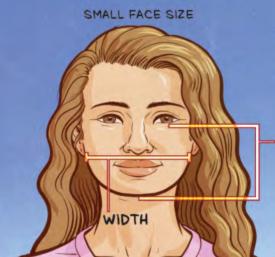








Respirator Fit is Important



Respiratory Protection

Checklist

What size are you?

LENGTH



Fit = Protection and Comfort



GET FIT TESTED TO MAKE SURE YOU ARE GETTING THE BEST PROTECTION.

Know when to wear a respirator in agriculture:

- . MOVING LIVESTOCK/LOAD OUTS
- . WORKING WITH HAY FEED OR FEED STUFFS
- WORKING WITH MECHANIZED FEED SYSTEMS
- CLEANING PENS AND HOUSING, ESPECIALLY WITH DISINFECTANTS
- . DISPOSAL OF CARCASSES OR PLACENTAL MATERIALS
- · POWERWASHING
- . WORKING IN DUSTY BARNS, SUCH AS FARROWING
- KNOWN OR SUSPECTED DISEASE OUTBREAKS (HUMANS AND/OR ANIMALS)
- . PESTICIDES OR PEST TREATMENTS (SUCH AS DEWORMER, FLY CONTROL)
- . CLEANING GRAIN BINS/GRAIN HANDLING

Tips for wearing your respirator:

- . USE THE RIGHT RESPIRATOR FOR THE JOB. WITH THE CORRECT FIT
- . DO NOT USE OTHER PEOPLE'S RESPIRATOR
- . KEEP RESPIRATOR CLEAN, AND STORE CORRECTLY
- . STORE THE RESPIRATOR IN A BREATHABLE BAG MARKED WITH YOUR NAME
- . PULL LONG HAIR INTO A PONYTAIL AND PLACE BETWEEN THE RESPIRATOR STRAPS
- . TO COMMUNICATE WITH OTHERS, PULL THE CRADLE DOWN OR USE THE "QUICK RELEASE" ON CARTRIDGE RESPIRATORS
- . DISCARD DISPOSABLE RESPIRATOR IF IT BECOMES DIRTY, WET OR HARD TO BREATHE THROUGH
- . REPLACE OR DISCARD CARTRIDGES IF YOU SMELL OR TASTE HAZARDS OR IF IT BECOMES DIFFICULT TO BREATHE
- . DO NOT USE RESPIRATORS WITH EXHALATION VALVES IF YOU OR THE ANIMALS YOU WORK WITH
- . SCHEDULE TIME FOR BREAKS WHEN USING A RESPIRATOR



MEDIUM SIZE

LARGE SIZE

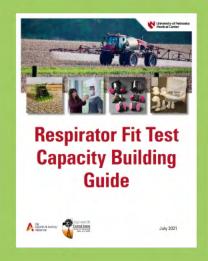


Fit Check Versus Fit Test





Note: If a respirator is listed on a pesticide for agricultural use, then you should recieve a respirator fit test.



What you get!





What you need if you are at high risk!





DO NOT USE!!! NOT NIOSH Approved

Protection Factor = 0



What about these type of masks and respirators?







What about these type of masks and respirators?







Respirators

Air Purifying









NIOSH Approved

Organic Dusts / Mold

What is in organic dust?

- · feces
- · animal dander
- · bacteria
- · endotoxins
- · mold

























Livestock

Dairy Swine Poultry Cattle



What PPE should be used?

Gases, Fumes, Vapors









Ammonia, Pesticides, Paint,
Disinfectants
Also known as ACID GAS and
ORGANIC VAPORS









Hobbies: Woodworking, Autobody, Painting, Shop work

PPE for other activities

Understand the hazard
READ the LABEL

GOOGLE







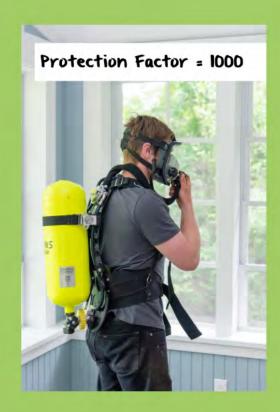


Immediately Dangerous to Life and Health (IDLH)





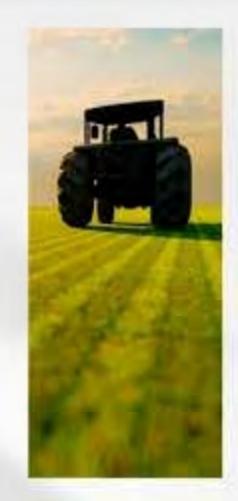




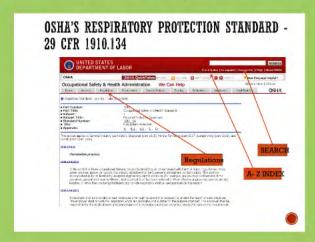




Respirators are important for use in **agriculture**.



Respirator Fit Test





User Seal Check















Roles	and Rasp	OTHIBITIE	18	
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Protect Your Hearing

HOW LOUD IS TOO LOUD?







Proper Insertion





Know the NRR Rating
Noise Reduction Rating

HOW LOUD IS TOO LOUD?

Farm Equipment	Noise Level (dB)	Max Safe Time*	*Max time without wearing hearing protection
ATV, Push Mower	90 dB	2.5 HRS	
Tractor/Combin (with Cab), Grain Auger	92 dB	1.5 HRS	
Air Compressor, Shop Vac	95 dB	47 MIN	₽ J
Pigs Squealing, Irrigation Pump	100 dB	15 MIN	~
Riding Mower, Pressure Washe	102 dB	9 MIN	1
Tractor (No Cab Grain Dryer), 105 dB	4 MIN	*
Leaf Blower	110 dB	1-2 MIN	
Chain Saw	115 dB	<1MIN	



PPE in AG - Livestock

HEARING SAFETY: HOW LOUD IS TOO LOUD?





PROTECT YOUR HEARING ON & OFF THE FARM

Did you know? Noise injury affects 2/3 of the farming population. There are thousands of tiny hair cells in our ears that send hearing signals to the brain. These hair cells can be damaged by long-term exposure to loud noises.

The best way to prevent hearing loss is to reduce farm noise and exposure!



- Noises over 85 decibels are too loud
- · Hearing damage is irreversible
- Earplugs and earmuffs are both suitable forms of hearing protection

What noise levels require hearing protection devices?

- If you have to speak loudly to someone three feet away, you are working around noises that require hearing protection.
- The danger zone for hearing damage starts at about 85 decibels (dB).
- . With each 3 decibel increase, the "safe time" is cut in half.

When should you be concerned about your hearing? If you....

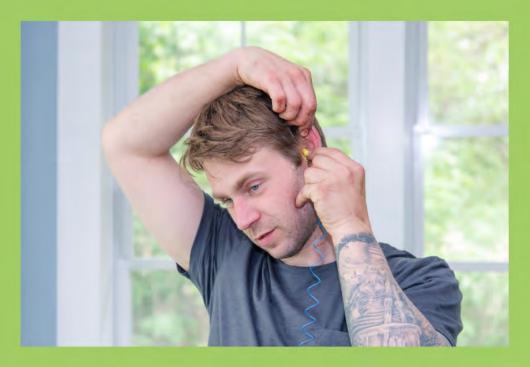
- · Need to turn up the volume on the TV or radio.
- Have difficulty understanding consonants in words and high notes of music.
- · Have difficulty hearing a person's voice when they are standing only a few feet away.
- · Hear muffled sound after noise has stopped.
- · Have ringing in the ears.

Noise induced hearing loss is preventable, possibly cumulative, and irreversible.

GET IN TOUCH 402-552-3394 go.unmc.edu/cs-cash/cs-cash-contact 1 UNMC College of Public Health 984388 Nebraska Medical Center 984388 Nebraska Medical Center Omaha. NE 68198-4388 2 unmccscash Funding provided to Central States Center for Agricultural Safety and Health by NIOSH AFF Grant U540H010162 52025125



Proper Insertion





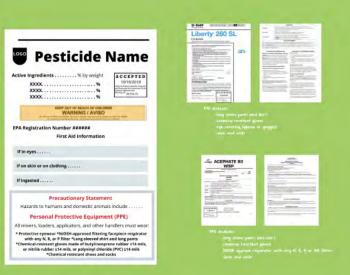
Know the NRR Rating Noise Reduction Rating

Body

Pesticides enter your body through:

- · eles
- · nose
- · mouth
- · skin







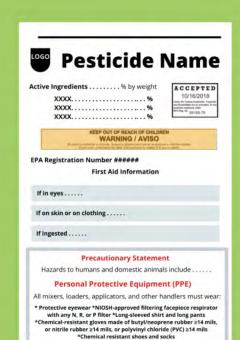


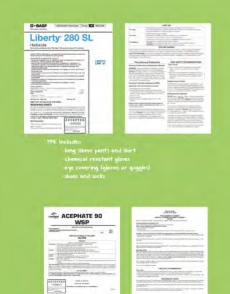
Pesticides enter your body through:

- · elez
- · nose
- · mouth
- · skin









long sleeve pants and shirt
- chemical resistant gloves
- BBOSH approve verpiration with any P., P., P. or HE fater
- shoes and cocks

Do you wear PPE when working with pesticides?







Glufosinate-ammonium Group 10 Herbicide

Liberty 280 SL

Herbicide

Alternate Brand Names: Rely® 280; Rely® 280 herbicide; Noventa™ herbicide

Liberty® 280 St. herbicide is a nonselective herbicide that provides control of a broad spectrum of broadleaf and grassy weeds.

Liberty 280 SL is registered for use as a:

- . burndown treatment prior to planting or prior to emergence of canola, corn, sweet corn, cotton, soybean, and sugar beet
- · postemergence weed control herbicide to be applied on LibertyLink* or glufosinate-resistant crops including LibertyLink canola, LibertyLink com, LibertyLink sweet corn, LibertyLink cotton, LibertyLink soybeans, and
- LibertyLink sugar beets · postemergence weed control herbicide to be applied in cotton with a hood-
- ed sprayer only · postemergence weed control herbicide to be applied in listed tree, vine, and
- · preplant burndown or postemergence weed control herbicide to be applied in cucurbits
- · preplant burndown or postemergence weed control herbicide to be applied. in fruiting vegetables
- · postemergence weed control herbicide to be applied in olives
- vine desiccant in potatoes

glutosinate-ammonium": 2-amino-4-thydroxymethylphosphesyl dusianaicacid-morcammonium sall. 24.5%**

Other Ingredients:

*GAE Number 77369-99-2 "Tiguesiant to 2 34 pounds of some riginaliset per LLE, gallon

EPA Reg. No. 7969-448

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Si usted no entiende la etiqueta, bumque à siguien para que se is explique a umad en distalle. (If you do not understand the label, find someone to explain if lip you in datall.)

See ful label for compliste First Aid, Precautionary Statements, Directions For Use. Conditions of Sale and Warranty, and state-specific crop and/or use site restrictions. In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

[Recrountion is advised] for bulk tanks] (for total)

26 Davis Drive, Research Triangle Plank, NC 27709.

ACCEPTED 12/9/2022

or To Fadeot Inspectate, Tompto

7969-448

LIBERTY LINK W

FIRST AID . Hold even open and time slowly and gently with water for 15 to 20 minutes. . Perrove contact lenses, if present, after the first 5 minutes; then continue many eves. If in even . Get medical attention if inflation develops or persins. . Take off contaminated ciciting. . Firms skin immediately with plenty of water for 15 to 20 minutes. If on skin . Call a poison control center or doctor for treatment advice. . Call a poison control center or doctor immediately for treatment advice. . Have person sip a gitter of water if able to avention. If swallowed . DO NOT induce variiting unless told to by a posion control center or doctor. . DO NOT give anything by mouth to an unconscious parson. HOTLINE NUMBER

Have the product container or label with you when calling a policon control center or doctor or going for treatment. You may also contact BASE Corporation for emergency medical treatment information: 1-800-833-HELP H357). NOTE TO PHYSICIAN: If this product is ingested, endotraches insulation and quatric sivage should be performed as soon as possible, followed by charcolal and sindam suitate administration. Additionally, call 1-800-832 HELP (4357)

Precautionary Statements

Hazards to Humans and Domestic Animals

immediately for further information.

WARNING, Course substantial but temporary eye insury. Hamful if absorbed frequely usin. Haveful it assists and DO NOT get in ayes, or skin, or on digiting. Prolonged or frequently repeated sion contact may cause aleetic renclions in some individuals. Wash thomughly with ango and water after handling and before eating, strinking, chewing gum, using foliation, or using the tolest. Plemous and washcontaminated circibing before use.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeve shirt and long-partie.
- Chemical-meditivit dioves including bower surreum. by the number or 34 miles mitrile number or 14 miles resonance rubber a 14 mile, polyvinyl chionge (PVC); a 14 mile, or utting in 14 miles
- · Shows and socks
- . Protective symme (popples, face shalld or safety) (maning)

Mixers/loaders supporting serial applications to canola, corn, cotton, and saybean must use obsed mixing/loading systems.

Discard clothing and other absorbers materials that have been direnched or heavily contaminated with this product's blooming eigetation or if bees or other polinating insects concentrate. DO NOT rouse them. Foliow manufacturers are vesting the treatment area. instructions for cleaning/maintaining PPE, if no such instructions for washables exist, use determent and helwater. Keep and wash PPE separately from other bundry.

USER SAFETY RECOMMENDATIONS

- . Remove clothing/FFE immediately if posticide gets inside. Then wash thoroughly and put on clean
- . Remove PPE immediately offer handing this product. Wisin the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Woman Production Standard MVPSI for apricultural prediction. HO CER 170,240kd/4-6E, the handler PPE requirements may the reduced or modified as apacified in the WPS.

Environmental Hazards

DO NOT apply directly to water or to areas where surface. watter is present. DO NOT apply to intertidal assist below The missio high water mark. DO NOT contaminate water by desiring of equipment or disposal of equipment washess

This product is moderately toxic to bees an a cryonic basis, and may cause chronic risk to polithators or other terrentrus invertebrates. DO NOT apply this product to

This product is toxic to plants and may adversely impact the forage and habital of non-target organisms, including polination, in areas adjacent to the trease; etc. Protect the forage and habital of non-target organisms by following: label directions intended to minimize spray drift and runoff.

Under some conditions, this product may have a potential to run off to surface water or adjacent land. Where

PPE includes:

- · long sleeve pants and shirt
- · chemical resistant gloves
- · eye covering (glasses or goggles)
- · shoes and socks



Loveland ACEPHATE 90 WSP

INSECTICIDE IN A WATER SOLUBLE BAG

Acsphate (0,S-Dimethyl acetylphosphoramidothioate) .

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

Acaptata is an organishmphale, cholinedarase inhibitor If swallowed: . Call a polson sortirol carder or doctor introduciny for treatment advice.

. Have person sip a plant of water if able to resultow.

. Do not induce verniting unless total to do so by the posson control center or doctor. . Do not give anything by mouth to an unconncious person.

If in eyes: • Hold eye upon and rime slovely and gently with water for 15 to 25 minutes

. Remove contact lesses, if present, after the first 5 resultes, then continue rinsing eye.

Call a poison control center or fractor for treatment advice.

If on skin or
 Take off contaminated conting.

clothing: • Riman skin immediately with plienty of seams for 15 to 25 minutes.

. Call a poisson control center or doctor for treatment advice. If inhaled: > Move person to footh air

. If person is not breathing, call \$71 or an amboliance, their give artificial respiration, preferably by mouth-to-inputh. If

 Call a policio espero center or faccior for further insurment advice.
 MOTE TO PHYSICIAN: Acapitate is a chammerica evidence. Manuscript of bland challesterase activity may be useful in monitoring. exposure but decimons regarding treatment will assailly result to be much before test nesults are available. If signs of cholinestierase inhibition appear, atropose sulfate is astratota. 2 PAM (PROTOPAM) is alias ambidosal and may be used in conjunction with atropine but should not be used wore.

HOT LINE NUMBER

Have the product container or label with you when calling a youun commit center or doctor, or going for treatment. For additional information on this pesticide product, including health concerns, modical emergencies, or pesticide incidents, you may call 1-865-944-8565, 24 hours per day, 7 days per week.

ACCEPTED 11/28/2017

olar tim Fustinal Insulation, Funga of Parkettinia Act to promote for

A Play No. 34704-862

EPA REG. NO. 34704-862

EPA EST. NO. 34704-MS-601

NET WEIGHT 5.0 LB (CONTAINS TWO 2.5 LB WSP PACKETS)

EXP 0417

ACEPHATE 90 WSP

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or inhaled. Causes moderate eve irritation. Avoid contact with even or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below.

Mixers, loaders, applicators and other handlers must wear.

. Long-sleeved shirt and long pants

· Socks and shoes

Discretal resoluted crickes such as becar forwards, build cubbs >14 mile crickle cubbs >14 mile or Vitos >14 mile

To addition, all relates and loaders and all applicators using low-pressure hand wand application equipment must wear:

• A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approved number prefix TC-21C or a NIOSH-approved respirator. with any N. R. P. or HF filter.

Discard clothing and offer absorbert materials that have been direnched or braining contaminated with this product's concentrate. Do not

See angineering controls for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and not water. Keep and wash PPE separately from other laundry

Water sofuble packets, when used correctly, qualify as a should mixing hadden prober the Werker Probletion Standard (40 CFR 170.607(d)]. Mixers and foolers transfiling this product while it is exclused in lotact water solution packets may elect to water reduced PPE of long-slieved shirt, long parts, shore, social, a chemical national agree, and sharrings resistant gloves such as barrier laminate, butyl rubber 214 mile, nitrile rubber 214 mile, or Vitte x14 mile. When reduced PFE is worn because a closed system is being used, handlers rust be provided at PPE specified above for misers, leaders, applicators and all other handlers and few such PPE immediately available for use in an emergency, such as a suid or equipment break-down.

Plants must use an exclused carried in a manner that result the requirements hitled in the Worker Protection Standard (WPS) for agrisultimal pentinides 140 CFR 179 24Dictivity

The use of human flaggers is probiblind

Users should:

USER SAFETY RECOMMENDATIONS

. Wash thoroughly with scap and water after handling and before eating, drinking, cheming gum, using fobacco, or using the laidel

 Remove clathing/PPE immediately if pesticide gets imide. Then wash thoroughly and put on class clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash

thoroughly and change into clean diothing.

ENVIRONMENTAL HAZARDS

This pertitoide is toxic to birds. For temestrial oses, do not apply directly to eater, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contemicate water when cleaning equipment or discovering of equipment washinkaters.

Exposed treated seed may be frazerdous to birds and other slidfills. Dispose of all excess treated seed and seed packaging by burial away

This product is highly touc to been exposed to direct featiment or residues on bicoming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the freatment area.

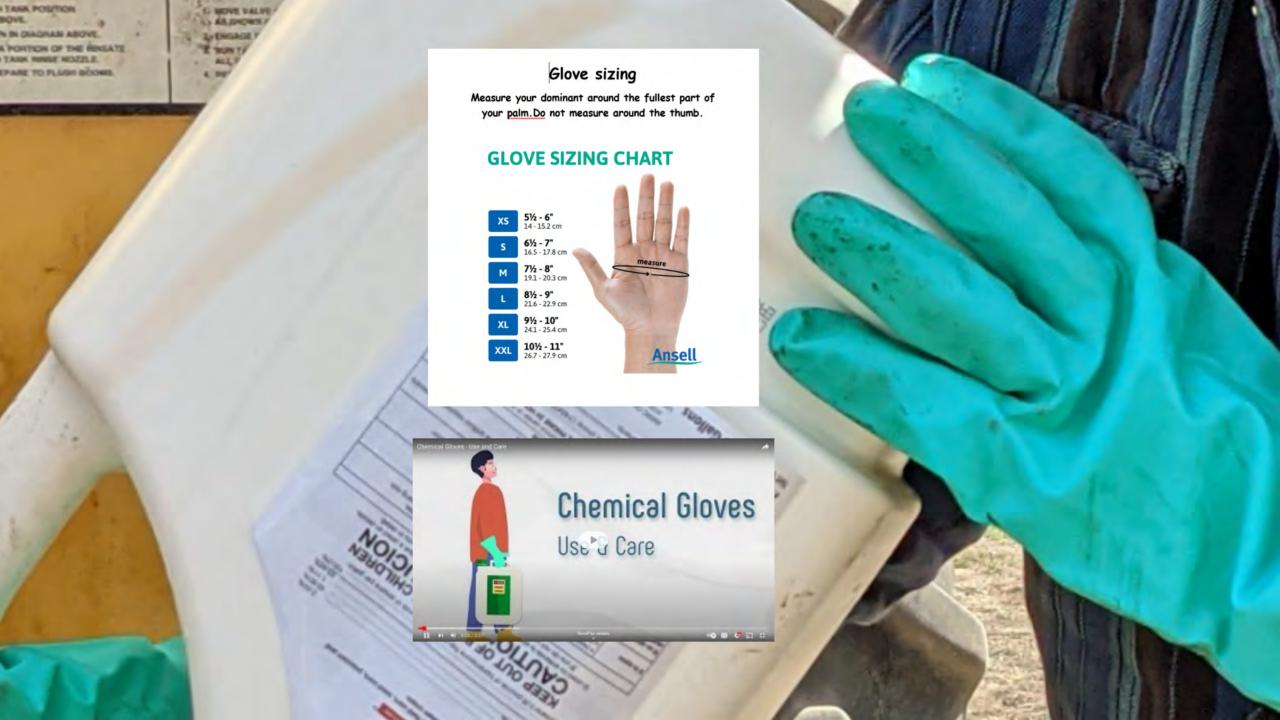
PPE includes:

- · long sleeve pants and shirt
- chemical resistant gloves
- · NIOSH approve respirator with any N, R, P, or HE filter
- · shoes and socks

Do you wear PPE when working with pesticides?







Chemical Gloves

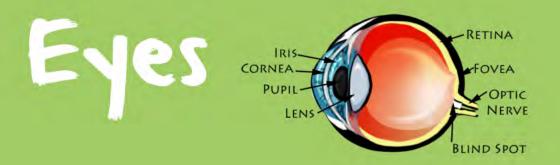
Use & Care











CSA Z94.31-16 or ANSI Z87.1 Approved Block 99% UV













Welding

CSA Z94.31-16 or ANSI Z87.1 Approved Block 99% UV

Right Size & Shape

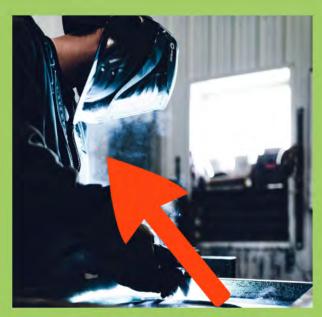












Welding

Livestock and PPE



Way's to prevent spreading or contracting are:

- Good Hand washing
- · PPE
- · Good Animal Health
- Good Work Practices





Examples of PPE to be Used











Hendra Virus



Calving



Scabby Mouth



What are the hazards to the animal handler?



Way's to prevent spreading or contracting are:

- Good Hand washing
- · PPE
- · Good Animal Health
- Good Work Practices





Examples of PPE to be Used

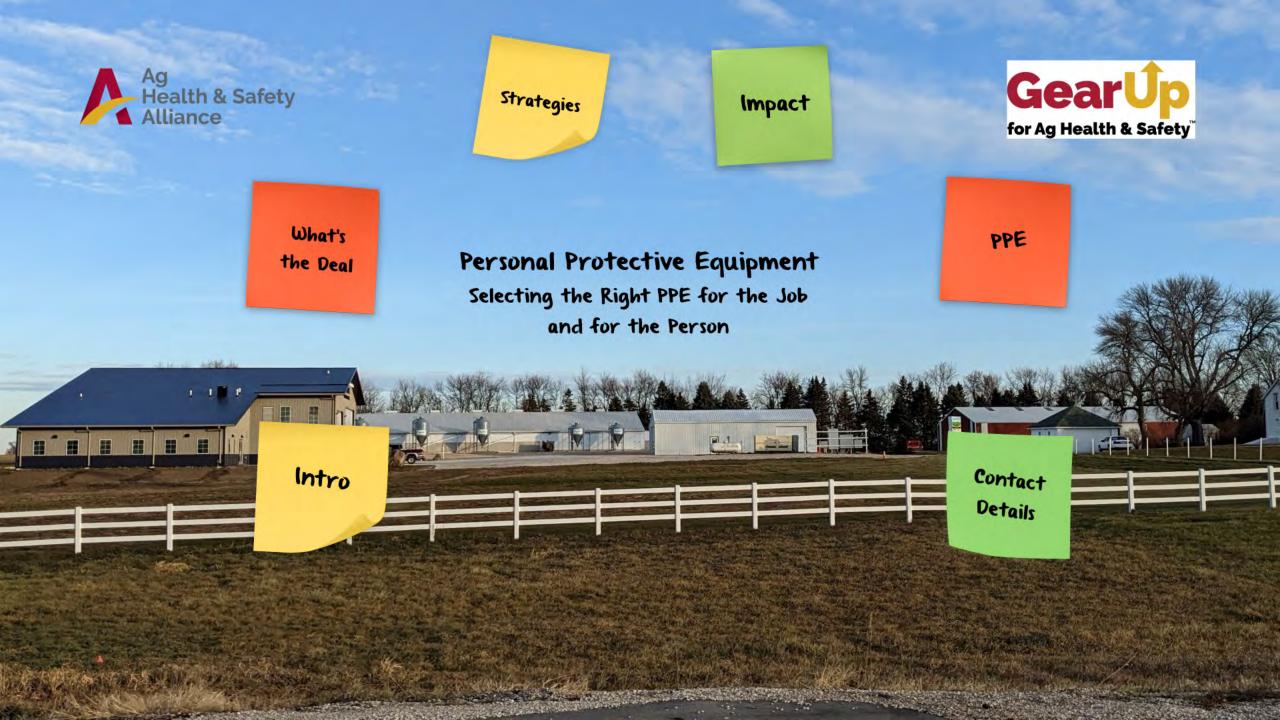












Hearing protection

· What type?

Eye protection

- · Safety Glasses?
- Goggles?

Respiratory protection

What type?

Body

- Gloves?
- Coveralls?

What else is needed?



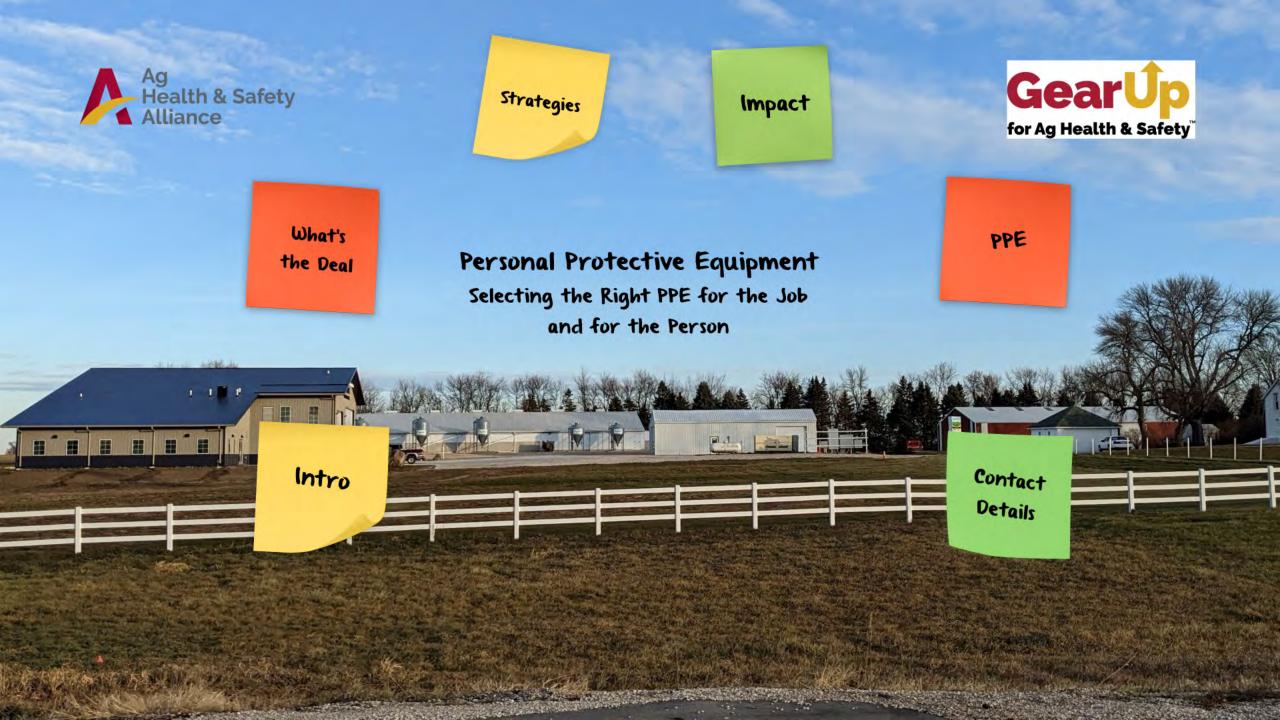
PPE for Farm Work











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