



Safety Reminders!

Jim Carrabba
Agricultural Safety
Specialist



Bassett Healthcare Network
New York Center for Agricultural
Medicine and Health



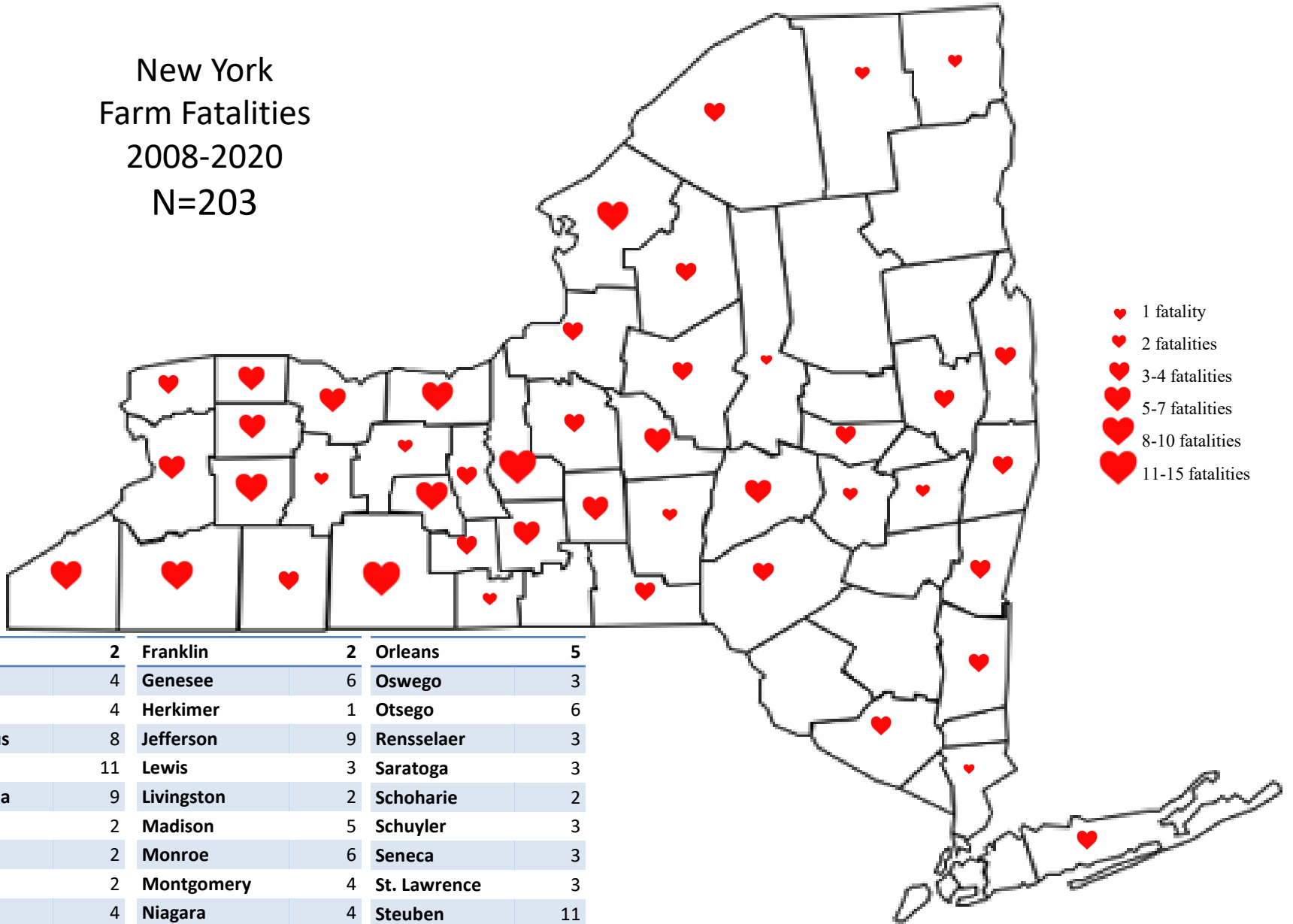
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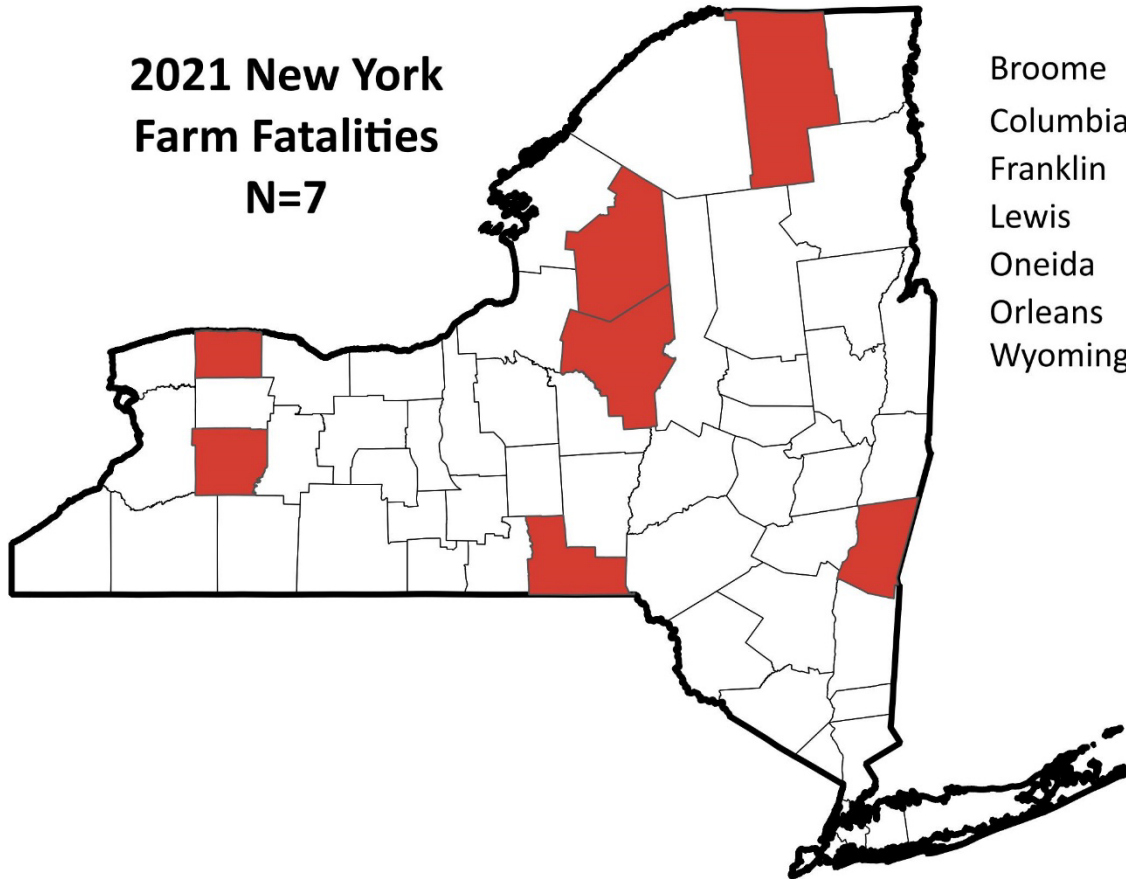
New York
Farm Fatalities
2008-2020
N=203



-  1 fatality
-  2 fatalities
-  3-4 fatalities
-  5-7 fatalities
-  8-10 fatalities
-  11-15 fatalities

Albany	2	Franklin	2	Orleans	5
Allegany	4	Genesee	6	Oswego	3
Broome	4	Herkimer	1	Otsego	6
Cattaraugus	8	Jefferson	9	Rensselaer	3
Cayuga	11	Lewis	3	Saratoga	3
Chautauqua	9	Livingston	2	Schoharie	2
Chemung	2	Madison	5	Schuyler	3
Chenango	2	Monroe	6	Seneca	3
Clinton	2	Montgomery	4	St. Lawrence	3
Columbia	4	Niagara	4	Steuben	11
Cortland	5	Oneida	3	Suffolk	4
Delaware	3	Onondaga	4	Tompkins	6
Dutchess	3	Ontario	2	Washington	3
Erie	5	Orange	4	Wayne	9
				Westchester	1
				Wyoming	8
				Yates	8
				Unknown	2

**2021 New York
Farm Fatalities
N=7**



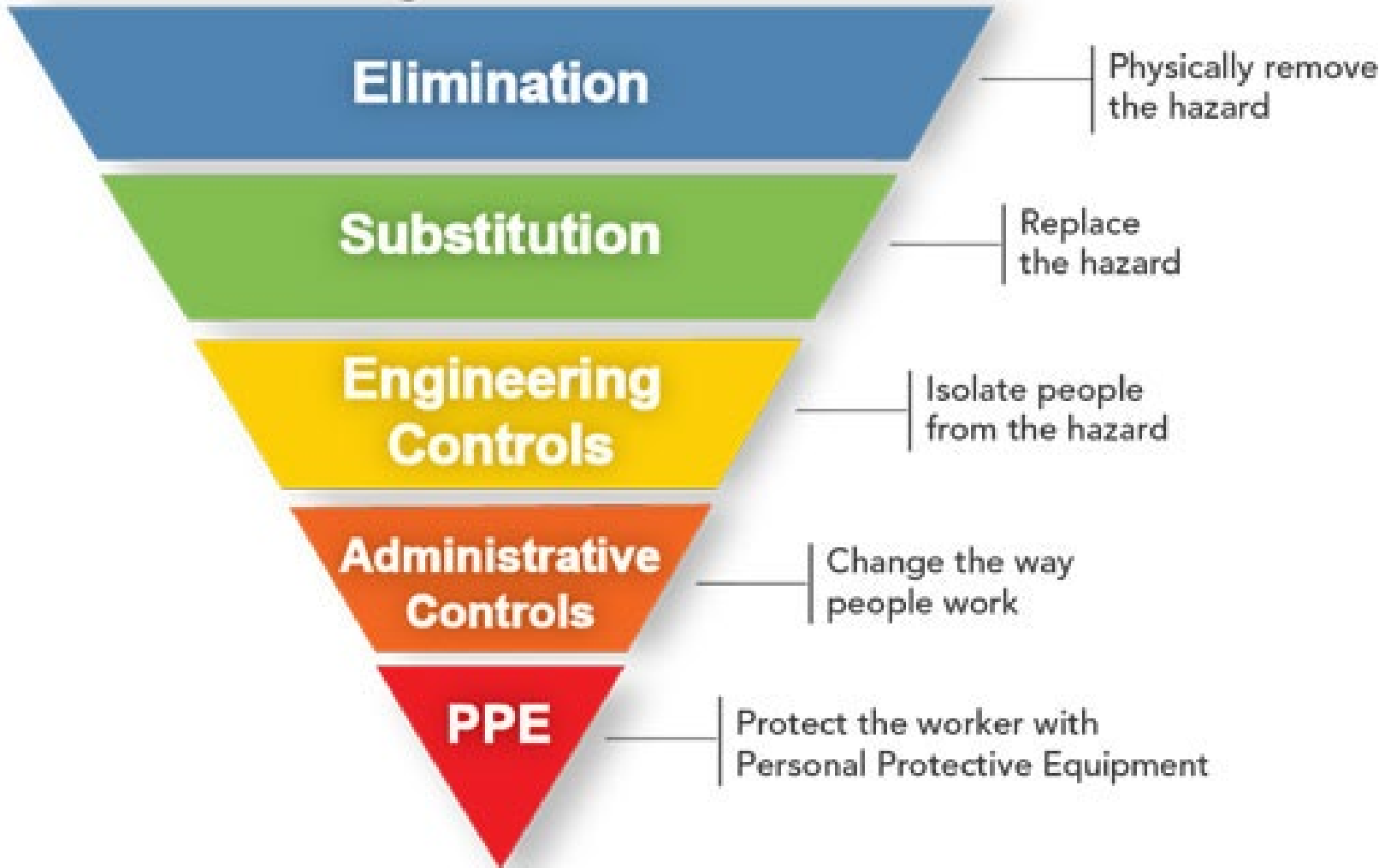
- Broome 1
- Columbia 1
- Franklin 1
- Lewis 1
- Oneida 1
- Orleans 1
- Wyoming 1

Hierarchy of Controls

Most effective



Least effective



JOHN MAY FARM SAFETY FUND



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JOHN MAY FARM SAFETY FUND

Investing in the well-being and safety of New York Farms.

[APPLY NOW](#)

[DONATE NOW](#)

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Better safe than sorry.





Who can apply?

- **Resident of NY State**
- **Active farmer (Full or Part-time)**
- **Any commodity**
- **Annual gross farm income of \$10,000 - \$349,999, OR dairy farm less than 1000 mature cows**





How does it work?

- **Simple application**
- **Safety survey from NYCAMH**
- **Pays 50% of the cost up to \$5000**
 - **Cattle handling equipment**
 - **Electrical upgrades**
 - **Eye wash stations**
 - **Silo ladders**



Farming is Hazardous



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Tractor Runovers



- **Extra-riders**
- **Bystander runovers**
- **Starting a tractor while standing on the ground**



No Extra Riders!



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Runovers are 100% preventable

- **NO EXTRA RIDERS**
- **Watch for bystanders and small children**
- **Start from the operator's seat only**

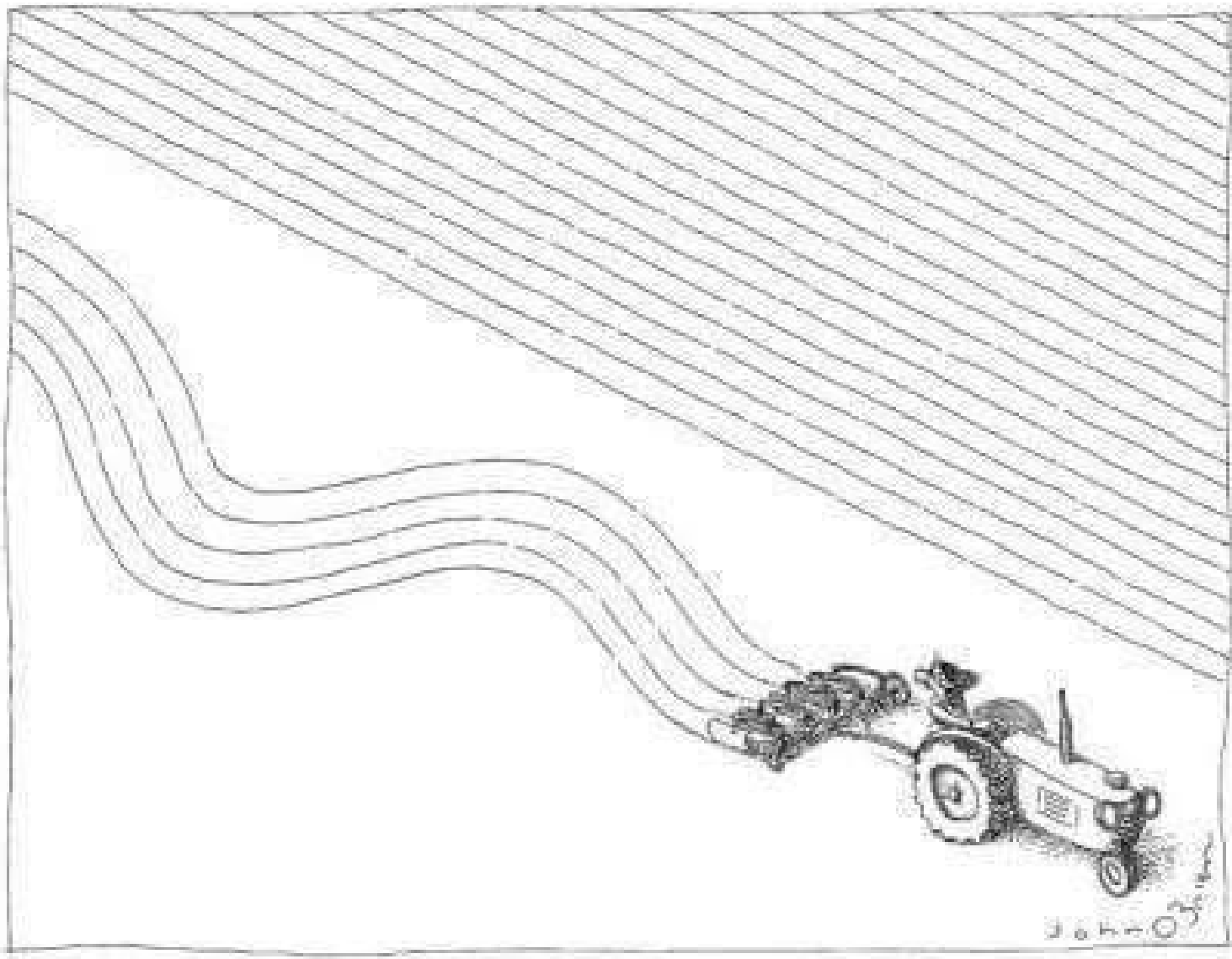


Runover Hazards



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DON'T TEXT AND PLANT

Hi-vis clothing



When is hi-vis clothing useful?

- Low light situations
- Around vehicles
- Protects workers from being hit by equipment



Be safe, be seen!



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Use Three Points of Contact

- **Proper way to mount and dismount:**
 - Always face the machine
 - Use hand-holds and every step
 - Keep three points of contact with machinery when mounting and dismounting



- **Never jump from a tractor or dismount facing outward**



PTO Safety



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- **Spinning motion of PTO creates a 'Wrapping Hazard'**
- **540 rpm shaft spins 9 times per second (7 feet)**
- **Can pull in loose clothing**







PTO Shield Program | NYCAMH x +

nycamh.org/programs-and-services/pto-shield.php

Gmail YouTube Maps https://e11.ultipro.c... Login for PestEd Salesforce: We Brin... iCloud safety-data-sheet-t... NetScaler Gateway Manure Safety and...

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PTO SHIELD PROGRAM

A Power take-off shield can wrap your arm or leg around the PTO shaft

9 times in 1 second at 540 PTO rpm **or** **16 times** in 1 second at 1000 PTO rpm

PTO entanglements are one of the top

3



Retrofit PTO Shields



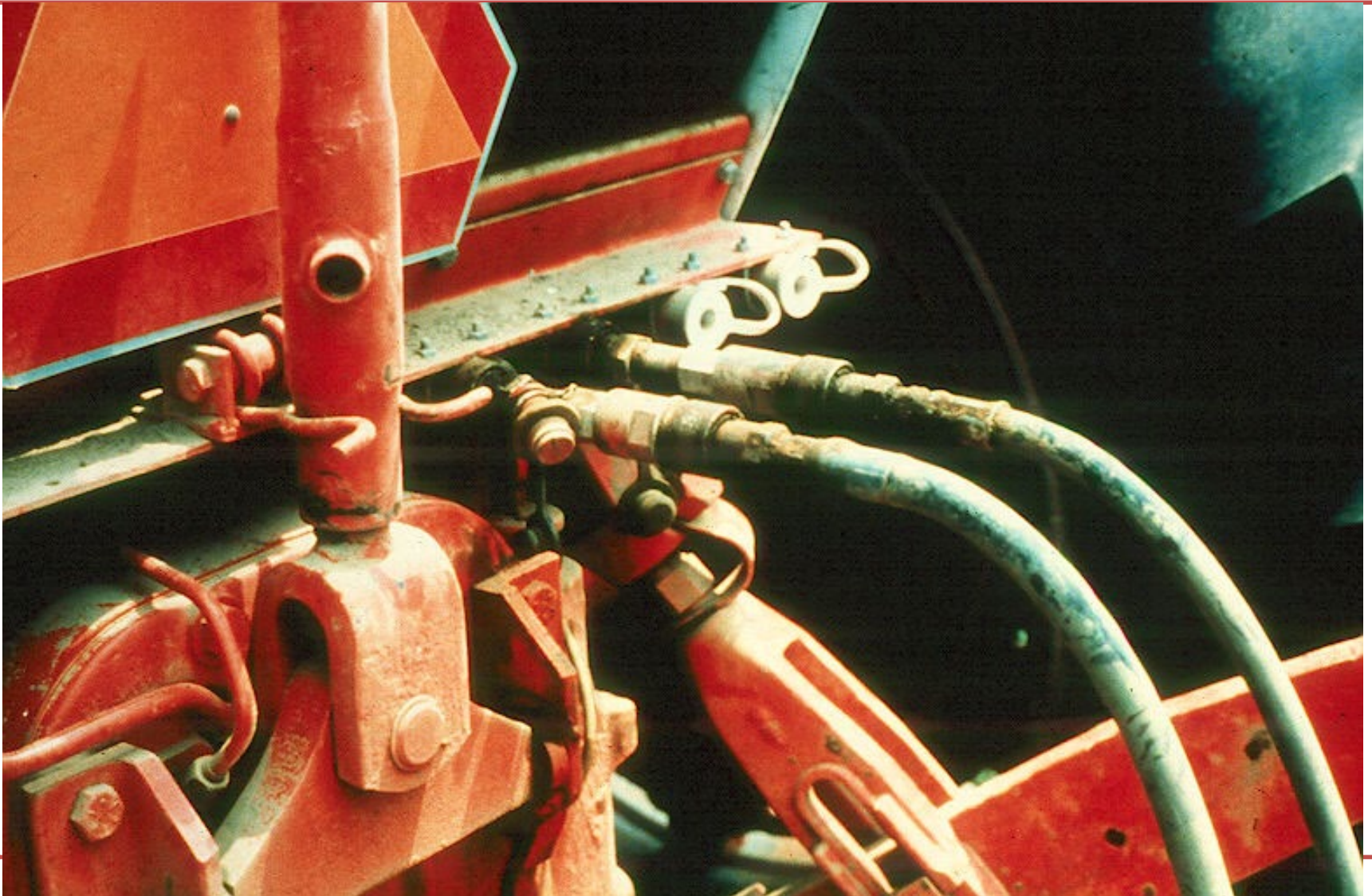
Prices:
Small Shield \$59
Large Shield \$77



Hydraulic Systems



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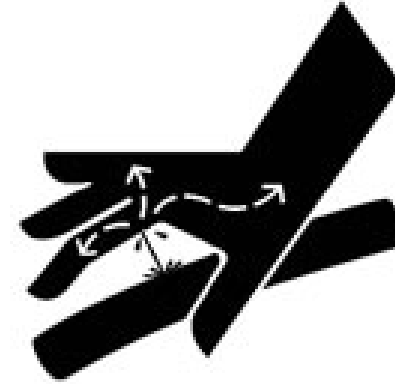


Hydraulic Systems



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- **Inspect hoses for damage or wear before applying hydraulic pressure**
- **Check for leaks with a piece of cardboard – never use your hand**

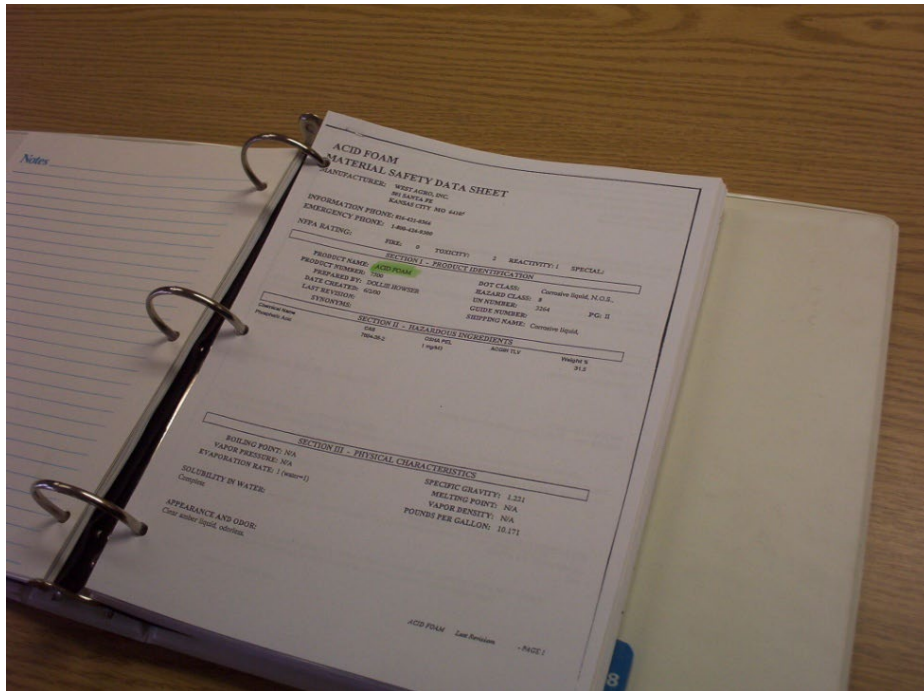




Safety Data Sheets (SDS)



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Engulfment Hazards





Engulfment Hazards

- Silage faces can collapse at any time
- Never walk up to the face of the silage, or work near the edge of the silage
- For every 1' of height, stay back 3'





Confined Spaces



- **Identify**
- **Warning signs**
- **Never enter confined spaces**
 - Train workers to stay out



Confined Spaces



- 1. Is large enough and so configured that an employee can bodily enter and perform assigned work; and**
- 2. Has limited or restricted means for entry or exit; and**
- 3. Is not designed for continuous employee occupation.**

Permit Required Confined Space



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- **If it has a physical or toxic hazards**



Recent Manure Pit Fatalities



ST. HENRY, OHIO

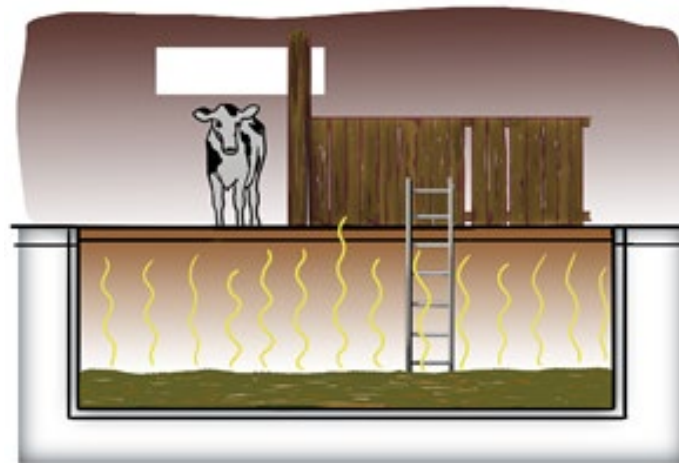


THREE BROTHERS DEAD AFTER BEING TRAPPED IN LIVESTOCK FARM'S MANURE PIT

Hazards



- 1. Oxygen Deficiency**
- 2. Presence of Combustible Gases**
- 3. Presence of Toxic Gases**



None of these conditions can be seen

Manure Gas Production



Increased risk with:

- **Higher temperatures increase microbial activity & gas production**
- **Still air conditions**
- **Temperature inversions**



Emergency Situations



- **Call 911!**
- **Never enter the space, unless you have had the proper training and equipment to do so**
- **Invite your local Fire Department for a tour of your facilities**
 - **Annually**



Agricultural Confined Spaces

A compilation of resources on the hazards associated with ag confined spaces. Click below to review our annual report summaries.

[Review our Annual Reports](#)



Personal Protective Equipment-PPE










Hearing Safety

Hazards – Safe noise levels are below 85 decibels Many farm machines exceed this by 2 to 3 times

The noise levels of many tractors & skid steers is around 95 to 100 decibels

**Hearing loss is permanent, occurs gradually
Warning signs – ears hurt, ring, temporary deafness**

Noise Source	Decibel/Noise Level	OSHA Time Exposure Limit
 CRICKET	30dB	No limit
 CONVERSATION	60 dB	No limit
HEARING PROTECTION REQUIRED-UNSAFE ZONE		
 LAWN MOWER	90 dB	8 hours
 TRACTOR	95 dB 100 dB	4 hours 2 hours
 POWER TOOLS	105 dB	1 hour
 CHAIN SAW	110 dB 115 dB	30 minutes 15 minutes
 LOUD MUSIC	120 dB	NONE

+85
dB

Hearing Protection



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- Noise Reduction Rating (NRR)
- Muffs
- Bands
- Plugs

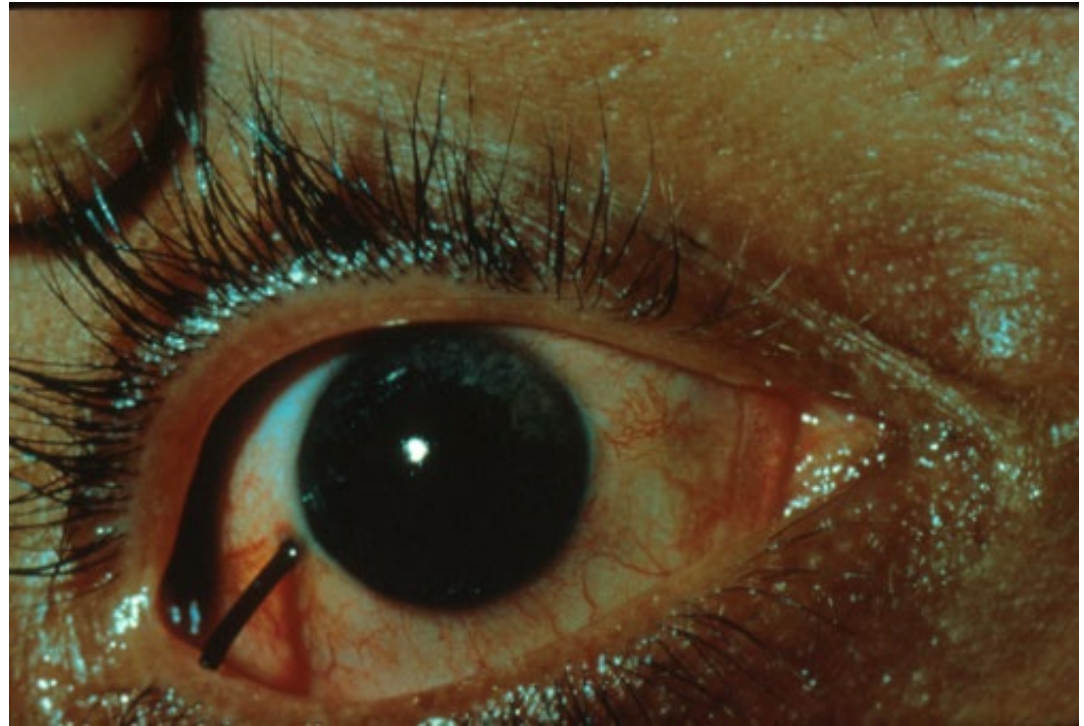


Eye Protection



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- **Small and flying particles**
- **Splashing liquids**
- **Light and UV**



Eye Protection



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- ANSI Z87+
- Clear
- Smoke
- Copper
- Amber
- Silver
- Splash goggles
- Over the glasses



Would you rather pay...



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Safety glasses: \$2.75
Goggles \$2.50



\$1,463 - average cost of an eye injury (OSHA)

Chemical Protection



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- Read the label & SDS
- Tells you PPE needed
- First aid measures

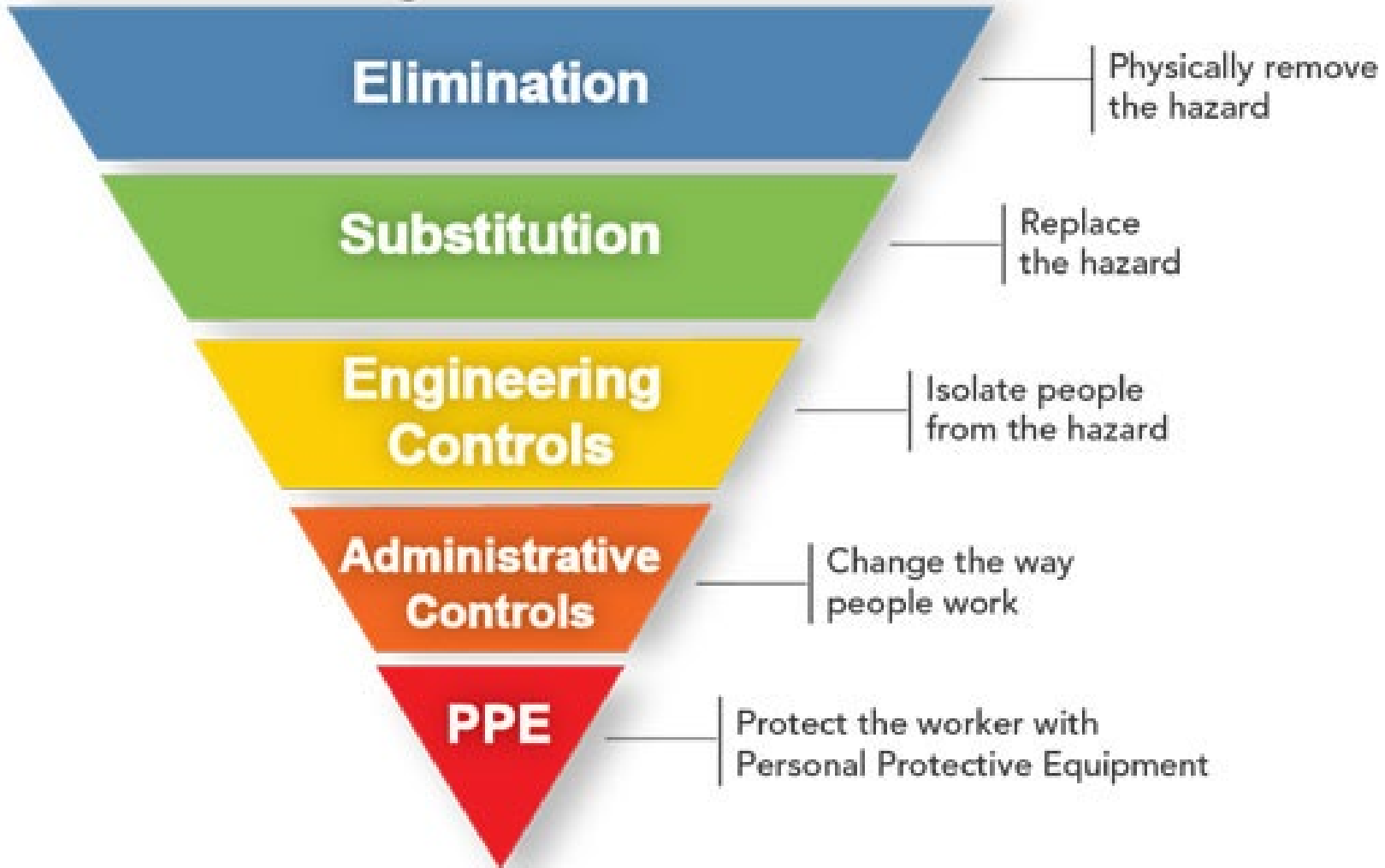


Hierarchy of Controls

Most effective



Least effective





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Thank you and have a safe season!

**Please contact us for any information
about our services:**

Phone: (800) 343-7527

www.nycamh.com