

Farm Safety for Youth

Keeping the Next Generation Safe

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Progressive Agriculture
Safety Day® Program

Illinois Extension

farmdoc



Objectives

- **Why young people are uniquely vulnerable to farm hazards.**
- **Top hazards, and statistics associated with youth agricultural injuries.**
- **Effective ways to train young workers and ensure safe behaviors**
- **Review child labor laws and resources**



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Davidson joined PAF in 2014. As Program Manager, Davidson leads the Foundation's program team overseeing day-to-day and long-range program operations, while continuing to strengthen the overall reach, impact, and outcomes of the Progressive Agriculture Safety Day (PAF Safety Day), which is recognized as the largest rural safety and health education program for children in North America.

She guides the program staff through ongoing efforts to reach more children, families, and communities throughout North America to best align with the ongoing needs in rural and farming landscapes.

Jana has been a volunteer with the PAF Safety Day program since 2005 and continues to coordinate a Safety Day annually for her local community in Clearfield, Pennsylvania.

The Numbers

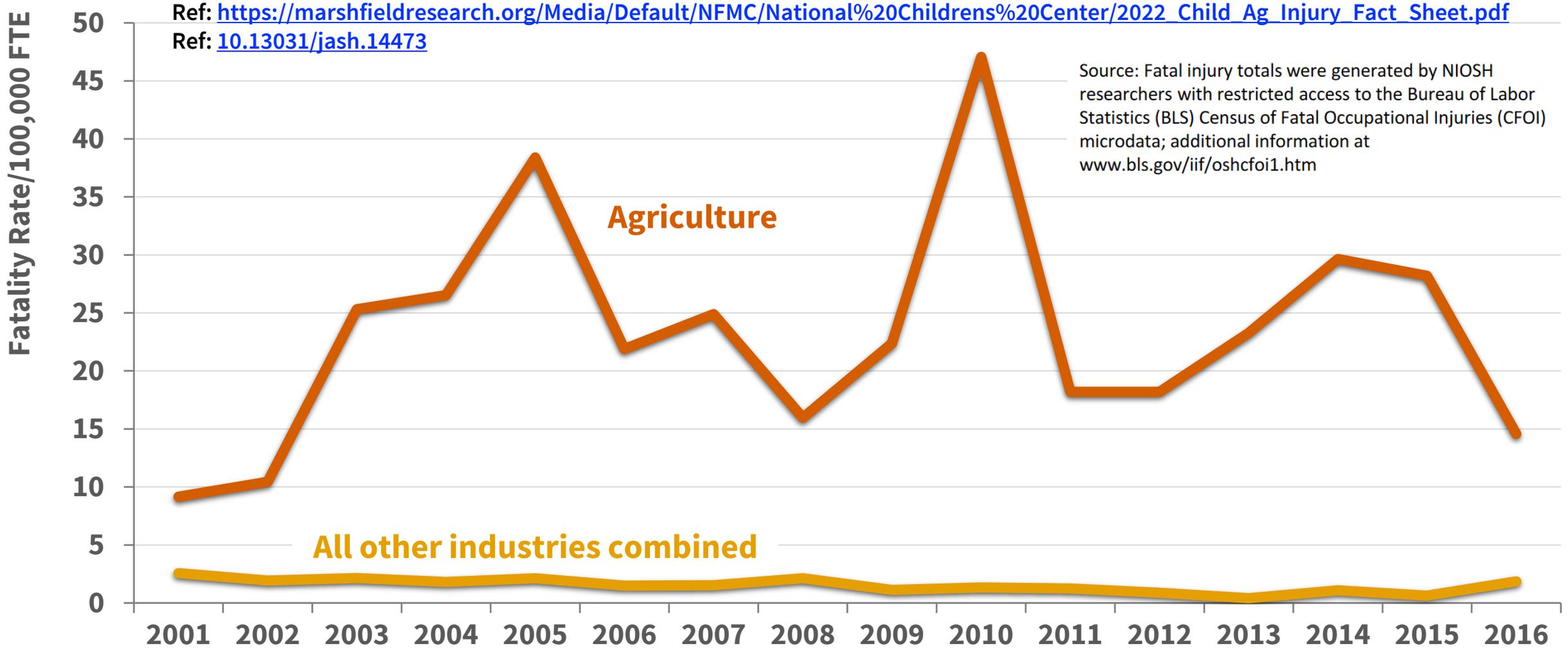
- 22 million people employed in an agriculture-related field
- 2 million farms in the U.S.
- 893,000 children/youth live on farms
- More than half of these work on farms (51%)
- An additional 265,600 youth are hired to work on farms
- An estimated 25 million youth visit farms
- Diverse population
 - Hispanic, Anabaptist, African American, Native American, etc.

Source: <https://www.ers.usda.gov/data-products/chart-gallery/gallery/chart-detail/?chartId=58282> & National Children's Center for Rural and Agricultural Health and Safety (2022). 2022 Fact Sheet – Childhood Agricultural Injuries. Marshfield Clinic Health System, Marshfield WI.

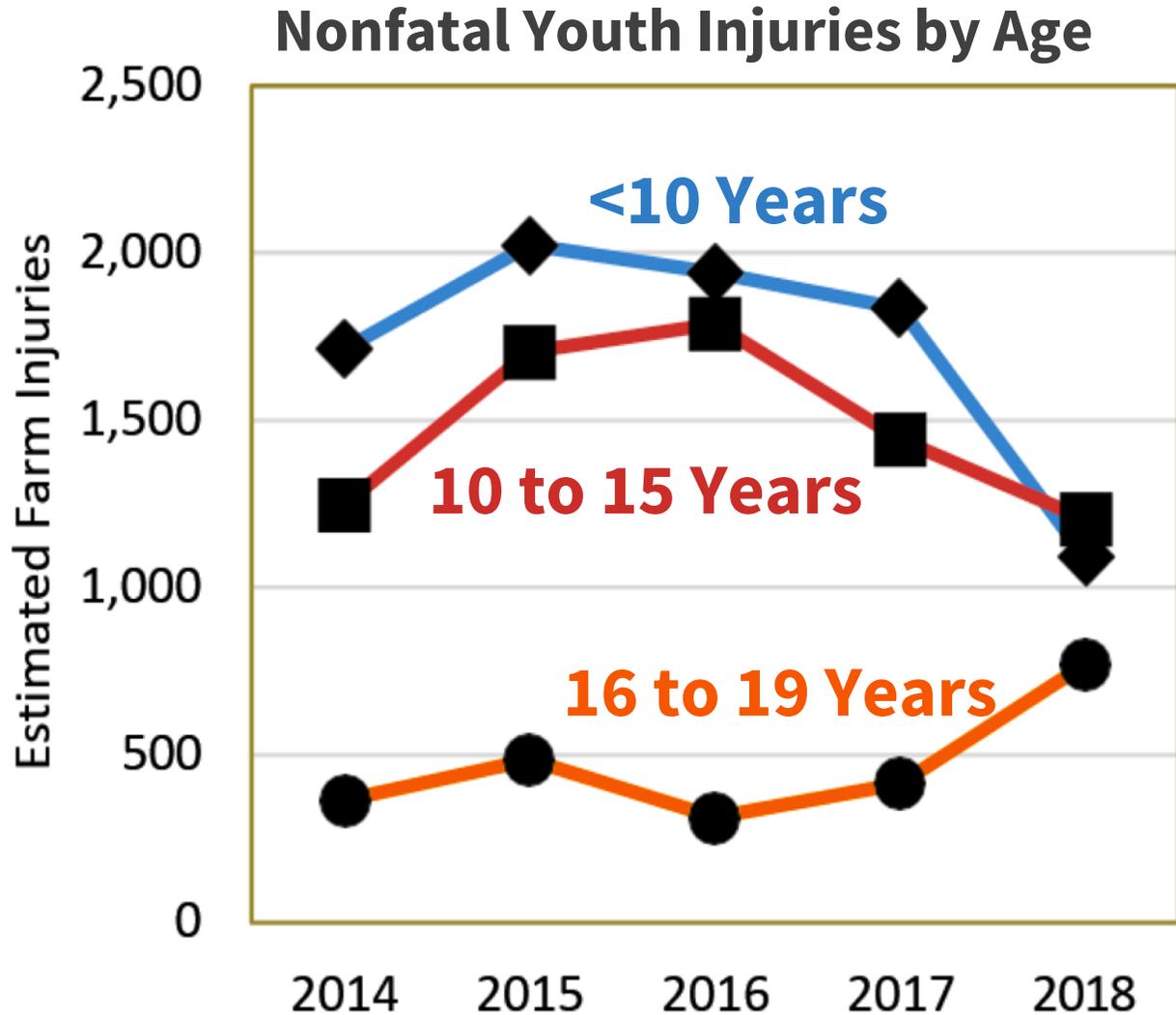
doi.org/10.21636/nfmc.nccrahs.injuryfactsheet.r.2022

Working Youth

Fatality Rates in Agriculture vs All Other Industries, 2001-2016



Nonfatal Child Agricultural Injury



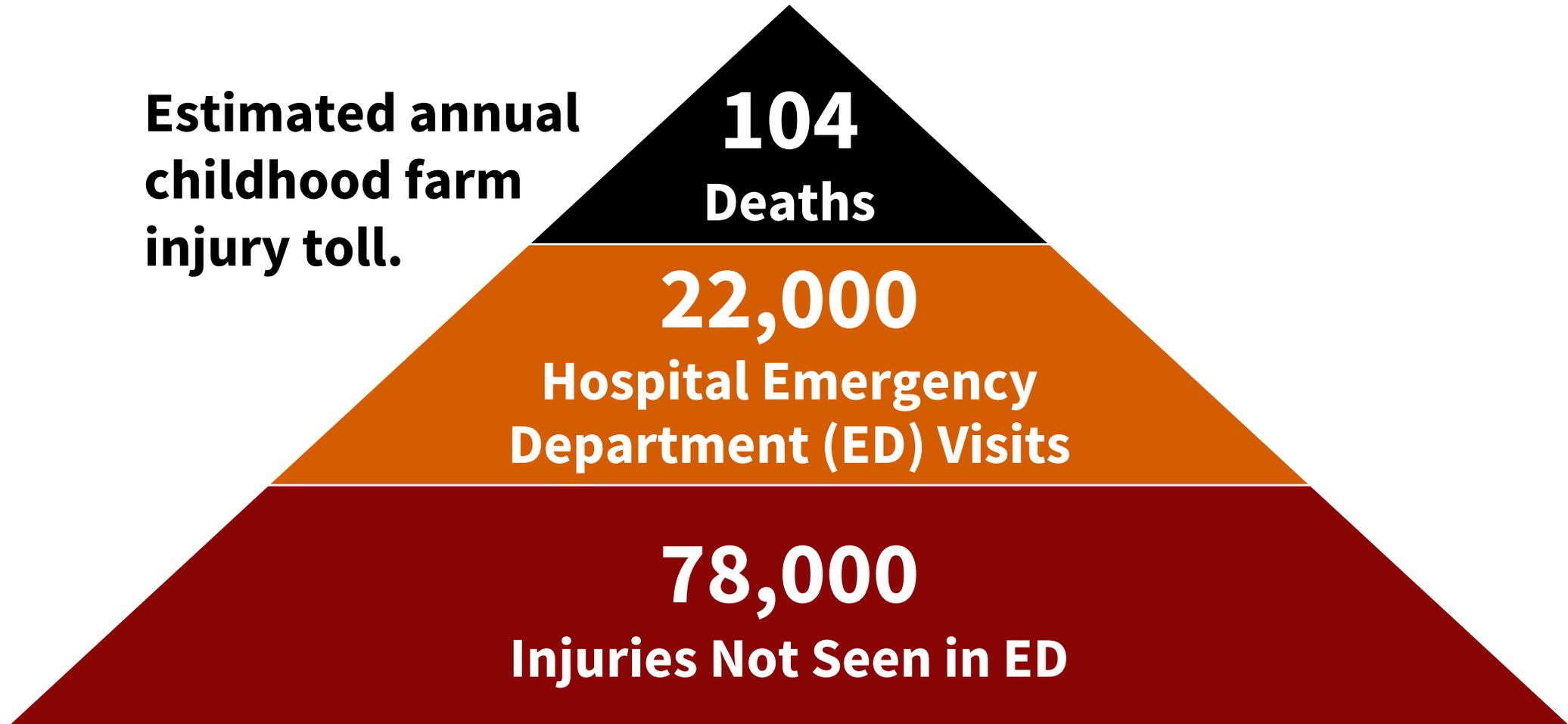
Every day about **33 children are injured** in agriculture-related incidents

Vehicles are leading cause of injury among **working youth**

Livestock are leading cause of injury for **nonworking youth**

Child Agricultural Injuries

What we know. What we don't know.



Committee on Injury and Poison Prevention and Committee on Community Health Services.

Prevention of Agricultural Injuries among children and adolescents. Pediatrics 2001;108;1016, DOI: 10.1542/peds.108.4.1016

Top 5 Injury Statistics

A child dies in an agriculture-related incident about every 3 days

Every day, about 33 children are seriously injured in an agriculture-related incident

The number of ag-related youth worker fatalities is higher than all other industries combined.

The agricultural worksite is one of the nation's most hazardous, and may include children of any age.

60% of child ag-related injuries happen to children who are not working

Many agricultural work-related injuries and deaths are associated with children doing work that does not match their developmental level

Top 3 Causes of Injuries & Fatalities:

- Fatal¹**
-  Machinery
 -  Motor Vehicles
 -  Drowning

- Non-Fatal²**
-  Falls
 -  Animals
 -  Machinery/Vehicles

**Economic
IMPACT**

\$1.26 BILLION

References
1 Goldcamp M, Hendricks KJ, Meyers JR. (2004). Farm Fatalities to youth 1995-2000: A comparison by age groups. *Journal of Safety Research*. Vol. 35(2): 151-157.
2 NIOSH (2013). Analyses of the 2012 Childhood Agricultural Injury Survey (CAIS). Morgantown WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Division of Safety Research. Unpublished.

Non-fatal youth agricultural injuries cost society an estimated \$1.26 billion per year, and can wipe out an individual family farm's annual profits in just days, depending on severity.
Zaloshnja E, Miller TR, Lawrence BA (2012). Incidence and Cost of Injury Among Youths in Agricultural Settings, United States, 2001-2006 Pediatrics. Vol. 129(4): 728-734.

Not Just Injuries...

Illness & Health Issues

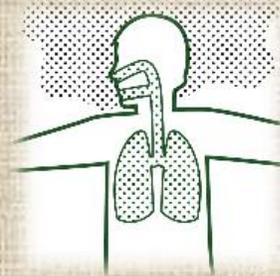
COVID &
Zoonotic Diseases



Hearing &
Vibration



Dust &
Molds



Mental
Illness



Other
Hazards



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A free, interactive collection of near real-time agriculture related news reports

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AgInjuryNews.org - Free Agriculture Injury News Database

Watch later Share

Farming accidents claim many lives

There are dangers in farming beyond the well-documented financial woes of America's farmers. Each and main...
 The Community Education department of Country Companies has been compiling data on farm accidents and fatalities since 1976. Since that time, 285 people have died in...
 The number of accidents involving or killing children declined over the last year. Four children under 18 died during the 12-month period...

Watch on YouTube

4,893 Incidents	6,487 Victims	3,114 Fatalities
Woman seriously injured, flown to hospital after being kicked by horse near Woodstock An unspecified female was non-fatally injured after being kicked by a horse. >		
07/15/2024 1 Victims 1 Illinois		
Man dies in New Beaver tractor accident A 76 y/o male farmer was fatally injured after being run over by his tractor. >		
07/14/2024 1 Victims 1 Pennsylvania		
Bird flu that infected 6 Colorado poultry workers is closely related to the virus in cows 6 unspecified poultry workers tested positive for the H5N1 bird flu in Colorado. >		
07/14/2024 6 Victims 6 Colorado		
Man hurt when tractor rear ended in Town of Springfield A 70 y/o male tractor operator and a 32 y/o male pick-up truck operator were both non-fatally injured in a public roadway collision. >		
07/12/2024 2 Victims 2 Wisconsin		

Child agricultural injuries – data sources

www.aginjurynews.org/

“

We continue to see new and innovative uses of this growing dataset by many audiences beyond academia...

The best public site I've ever seen with this type of data, better than any internal database too, for that matter.

Regional Data Specialist, Bureau of Labor

“

We continue to use the system to inform and engage our coalition. In 2018, members reaffirmed their interest and...

Amish teen killed when buggy rear-ended by SUV

17 y/o male fatally injured after the horse-drawn buggy he was riding in was rear-ended by an SUV, causing him to be ejected.

 Georgetown, New York, USA  11/10/2020  Victims: 1

Pownal ATV-dirt bike accident injures youth

8 y/o and 12 y/o males both non-fatally injured when operating an ATV and a dirt bike in a field and the ATV (operated by the 8 y/o) struck a rock then collided with the dirt bike (operated by 12 y/o)...

 Pownal, Vermont, USA  11/07/2020  Victims: 2

Man in critical condition after tractor accident / Un homme dans un état critique après un accident ...

60 y/o male non-fatally injured when his tractor rolled over in a ditch. His granddaughter, who was riding as a passenger, was minorly injured.

 Saint-Henri-de-Lévis, Quebec, Canada  11/07/2020  Victims: 2

Farm accident ends the short life of 'cool kid' from Illinois

13 y/o male fatally injured when helping to guide a reversing tractor with attached cultivator into a shed and one of the metal shanks pierced him in the back of the head.

 Toulon, Illinois, USA  11/03/2020  Victims: 1

4-year-old dies in farming accident in Lancaster County, coroner says

4 y/o female fatally injured when she fell off a wagon being pulled by a tractor and was run over.

  Lancaster County, Pennsylvania, USA  10/19/2020  Victims: 1

Youth Working in Agriculture

- Able to work at younger ages and in more hazardous jobs
- Developing bodies → coordination, balance, reach
- Developing brains → attention span, impulse control, decision making
- Fatigue
- Distracted behaviors



Teen Characteristics Affect Safety

- Impulsive behaviors
- Risk taking attitudes
- Desire to prove themselves
- Susceptible to peer pressure
- Reluctant to ask questions
- Lack experience

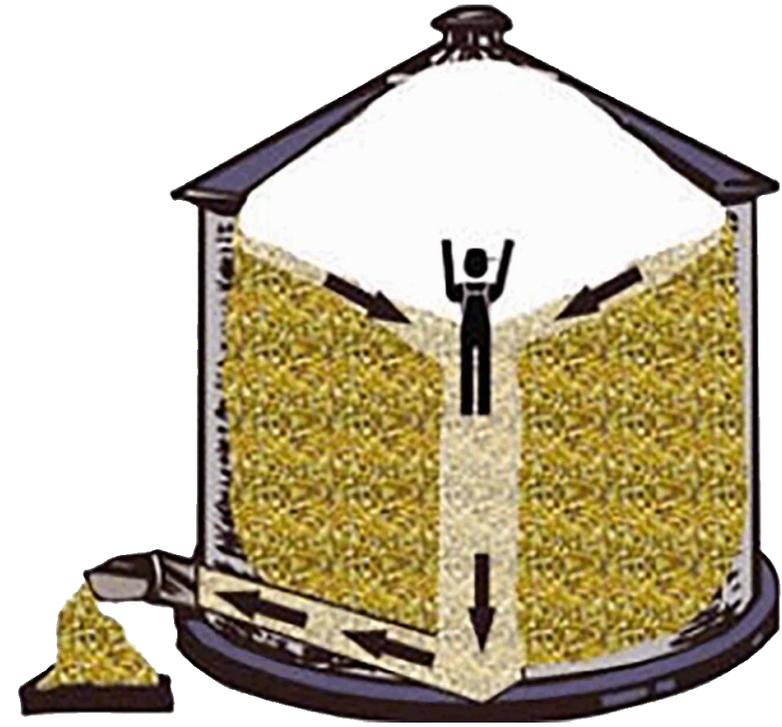
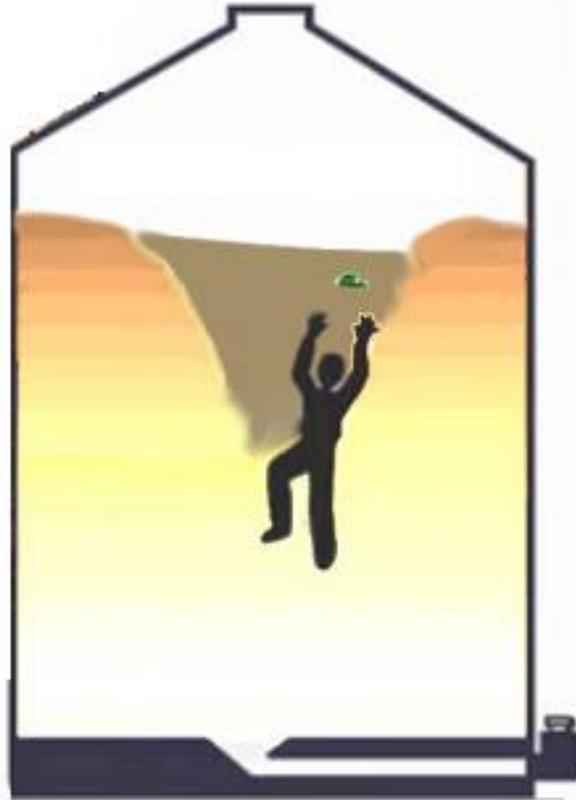


Grain Entrapment Case Study

Key Definitions:

Engulfment

Any case in which a person is buried in grain to the point that their airways are under the grain mass.



Grain Entrapment

Any case in which a person is stuck in a grain mass.

If contrasting with engulfment, then entrapment is limited to cases in which the persons airways is not under the grain mass.

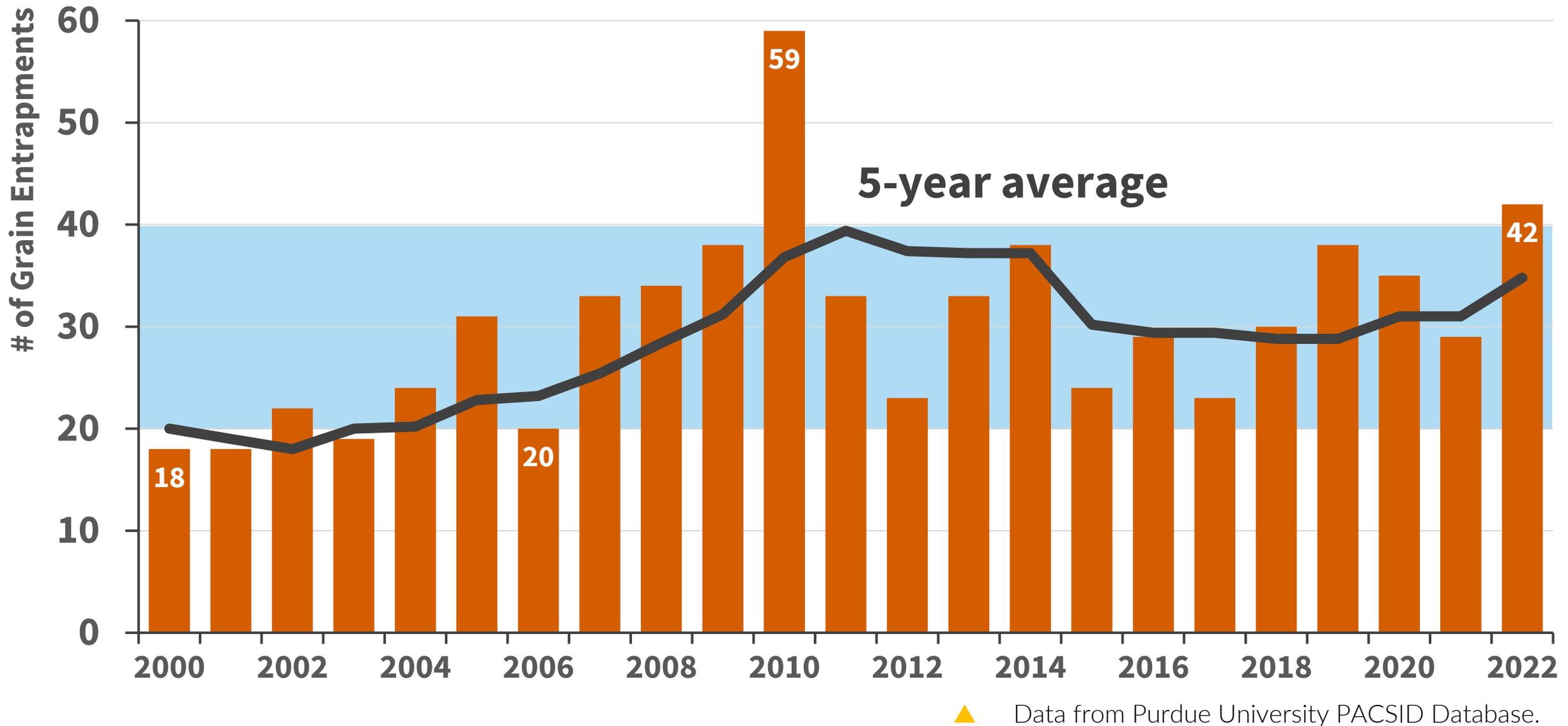
Flowing Grain Entrapment

Occurs when an individual is trapped into a flowing column of grain. **NEVER “walk down” grain!**



Image courtesy of Grain Handling Safety Council: Grain Bin Entry

Number of Cases...



▲ Data from Purdue University PACSID Database.



- Mount Carroll, IL
- Four boys 14, 14, 19 & 20 sent to remove crusted grain in grain bin
- Three of the workers were entrapped in grain
 - Two were engulfed and suffocated
 - Third was rescued after 6-hour rescue attempt
- \$16 million awarded to families
- Led to formation of Grain Handling Safety Coalition

Youth Entrapment Cases

- >1,100 grain storage cases reported
- Youth represent 28% where age is known
- Majority of the cases documented are fatal (77%)
- Youngest individual was 2-year-old

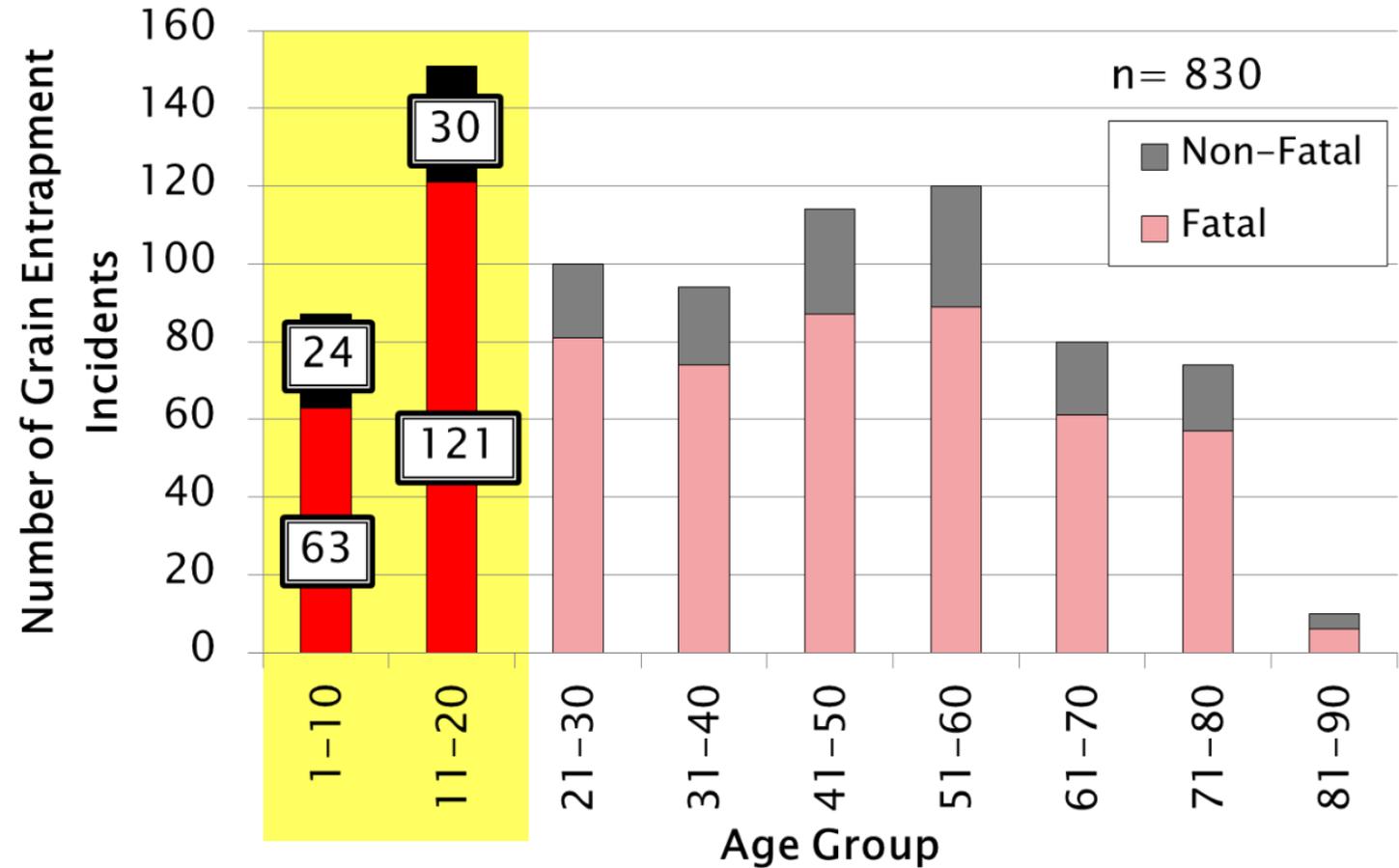
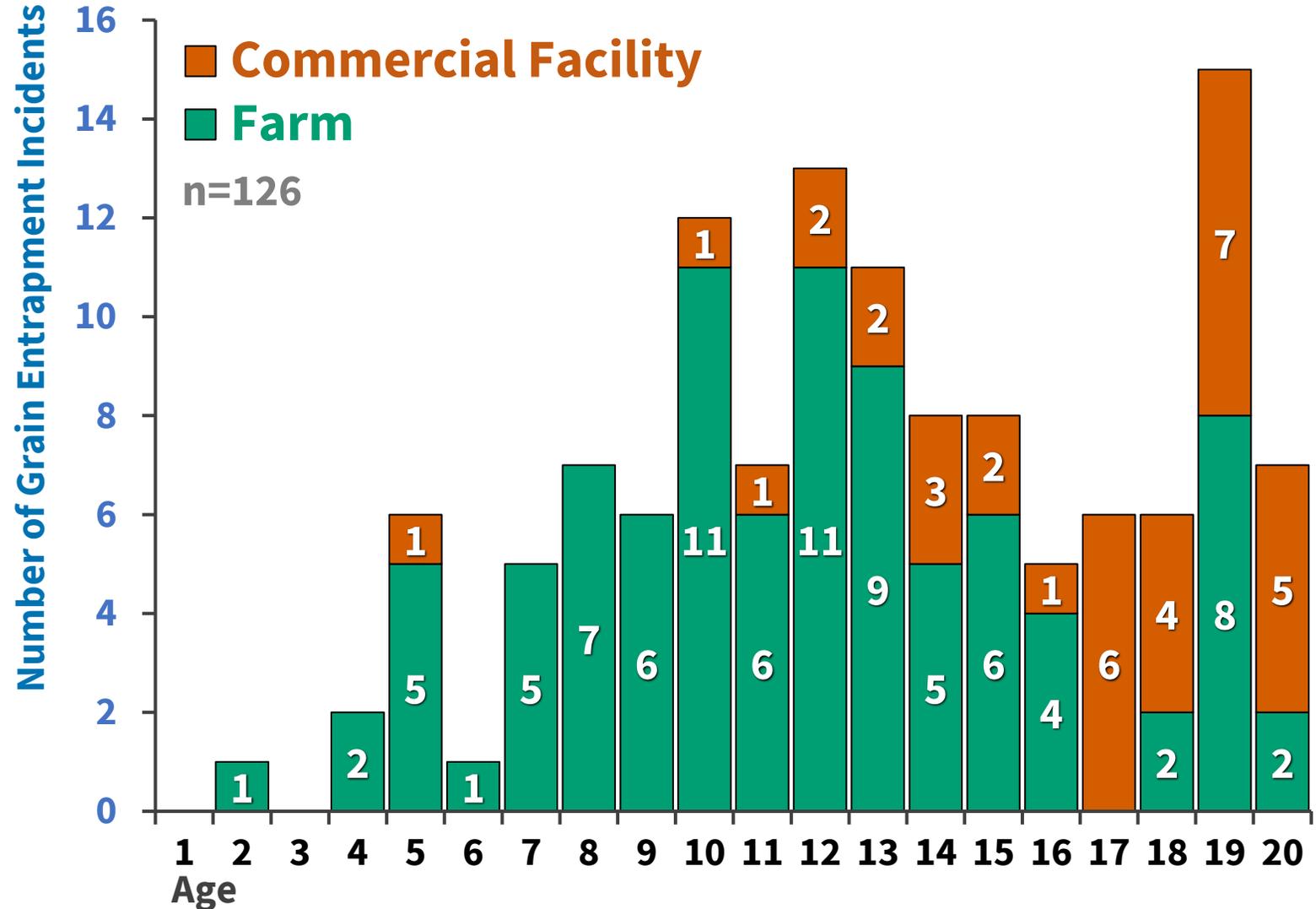


Image courtesy of Purdue University: Against the Grain: Unit 3

Grain Entrapment by Age

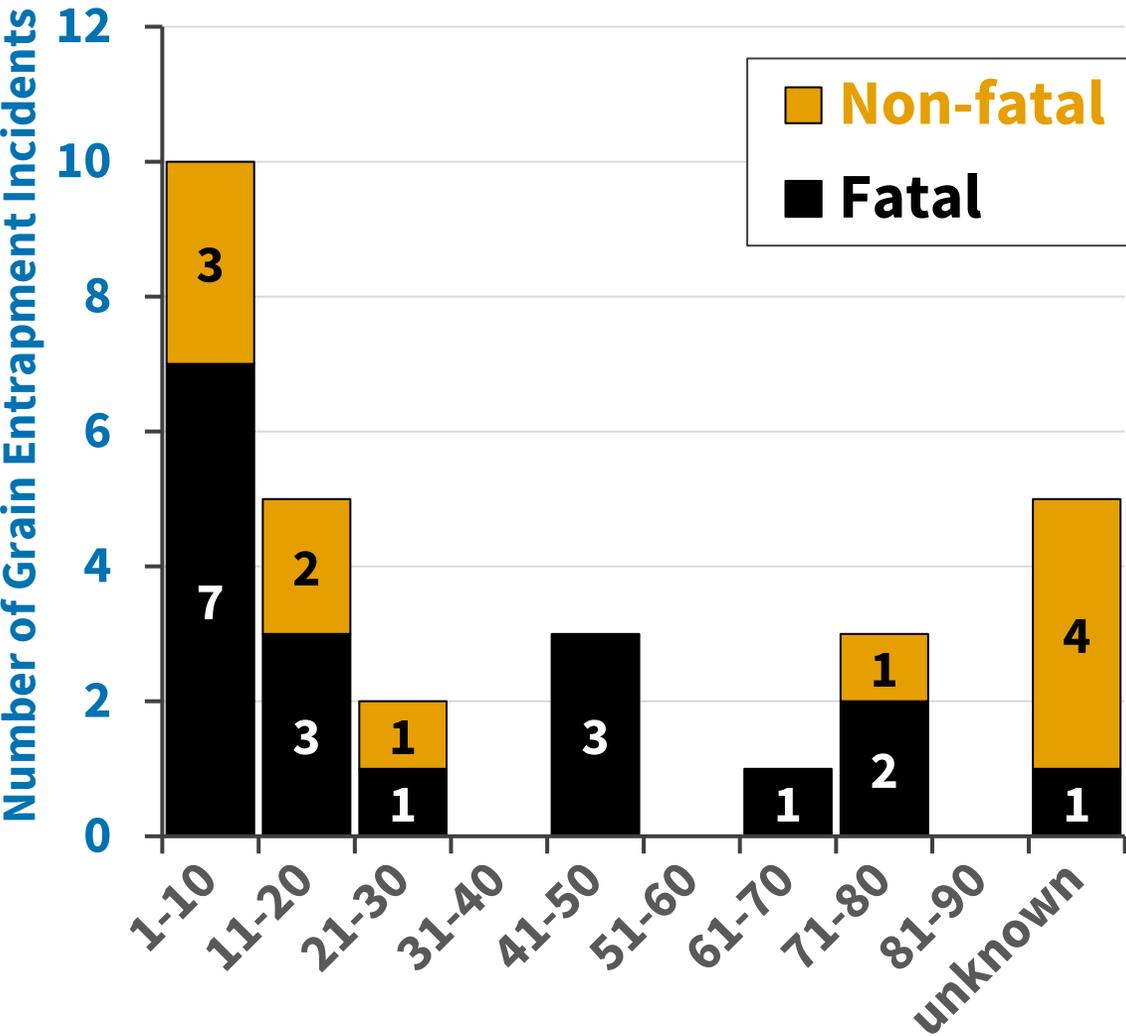
- Incidents peak between ages 10-13 and then again after age 18.
- Incidents are not just work related.
- An Indiana fourth-grader
 - Was playing in a pile of cornmeal.
 - A 10 ft pile collapsed on him and suffocated him.



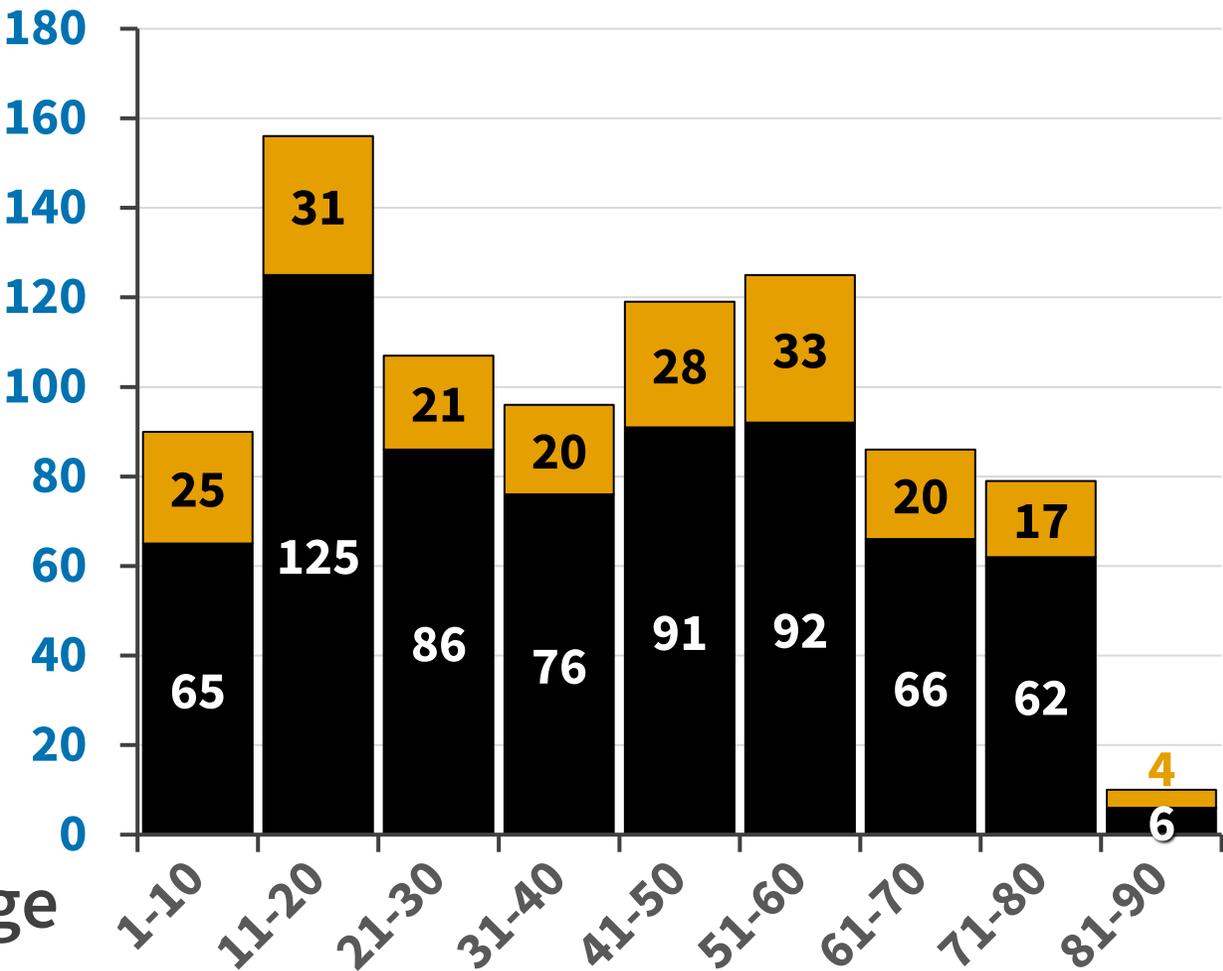
Ref: Summarization of Injury and Fatality Factors Involving Children and Youth in Grain Storage and Handling Incidents. Published in *J. Agric. Safety and Health* 22(1): 13-32 (doi: 10.13031/jash.22.10954). Copyright 2016 American Society of Agricultural and Biological Engineers.

Grain Entrapment Incidents: Females vs Males

Female Incidents: n=29



Overall Incidents: n=868



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Grain Wagon Death

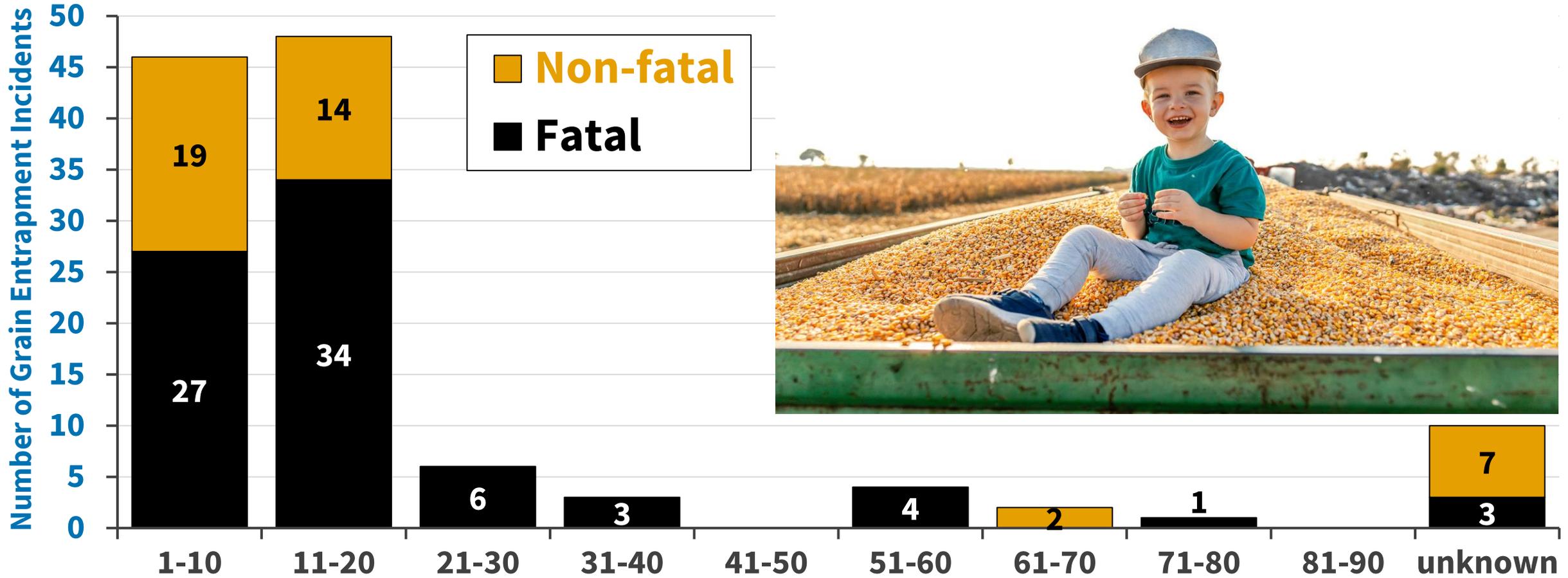
Three young girls
ages 11, 11, and 13

- Canada
- Playing in canola seeds on a grain truck
- Became trapped
- Suffocated

Source: Independent.co.uk



Grain Entrapment Incidents Grain Transport Vehicles (GTV)

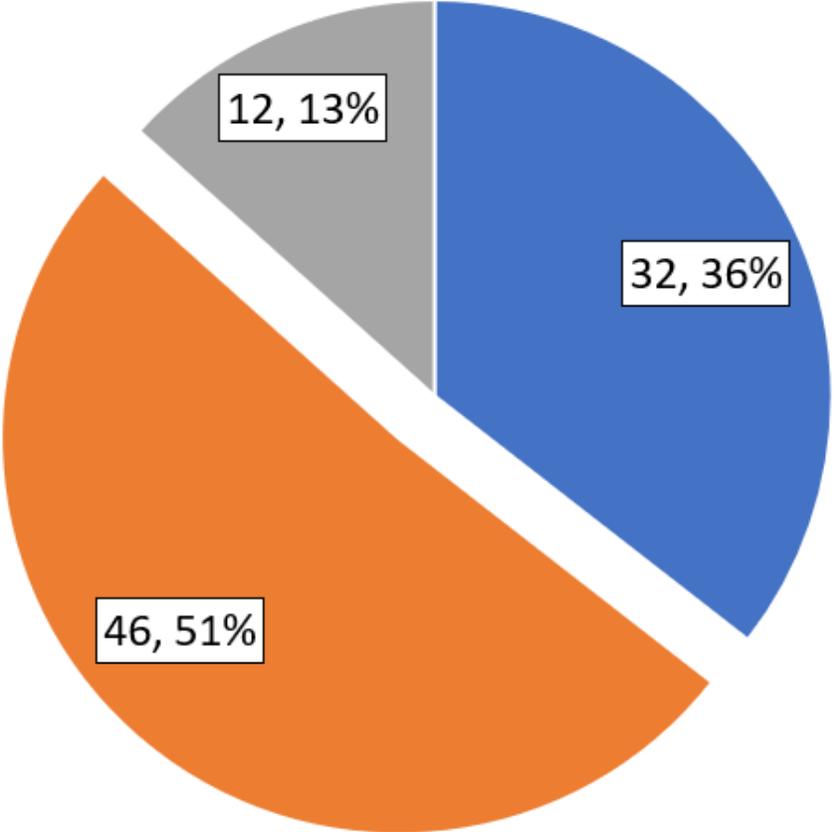


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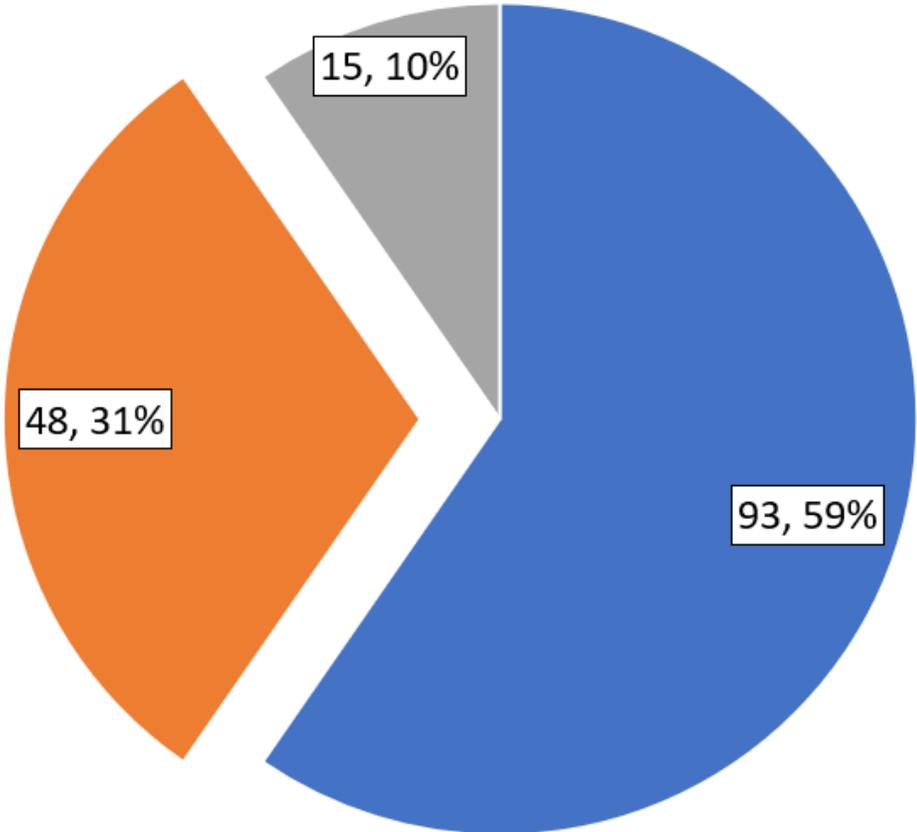
n=120

Grain Entrapment Incidents Injury Distribution

Age 1 to 10



Age 11 to 20



Grain Bin
and Silos

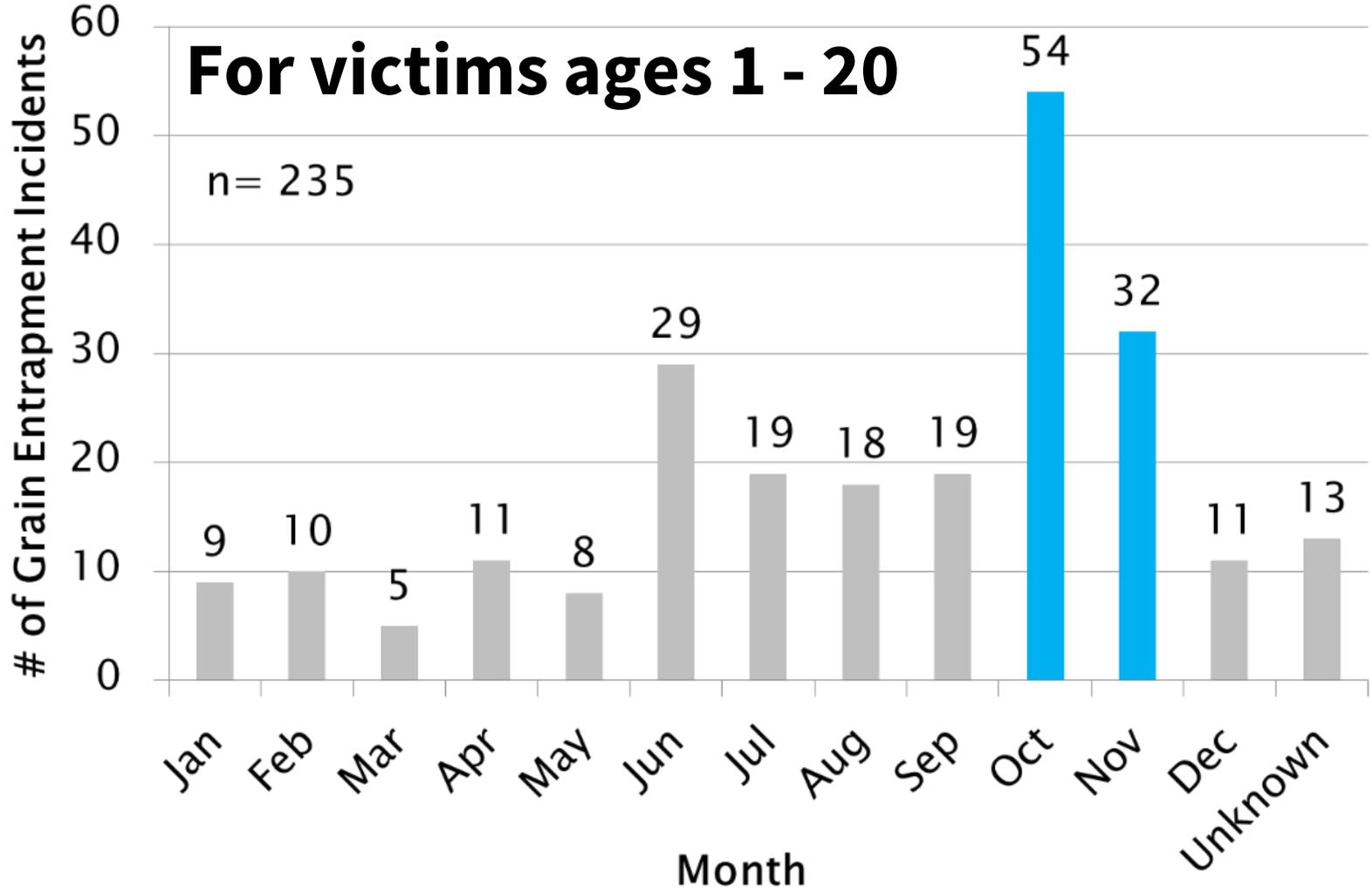
Grain
Transport
Vehicles

Other

Ref: Summarization of Injury and Fatality Factors Involving Children and Youth in Grain Storage and Handling Incidents.

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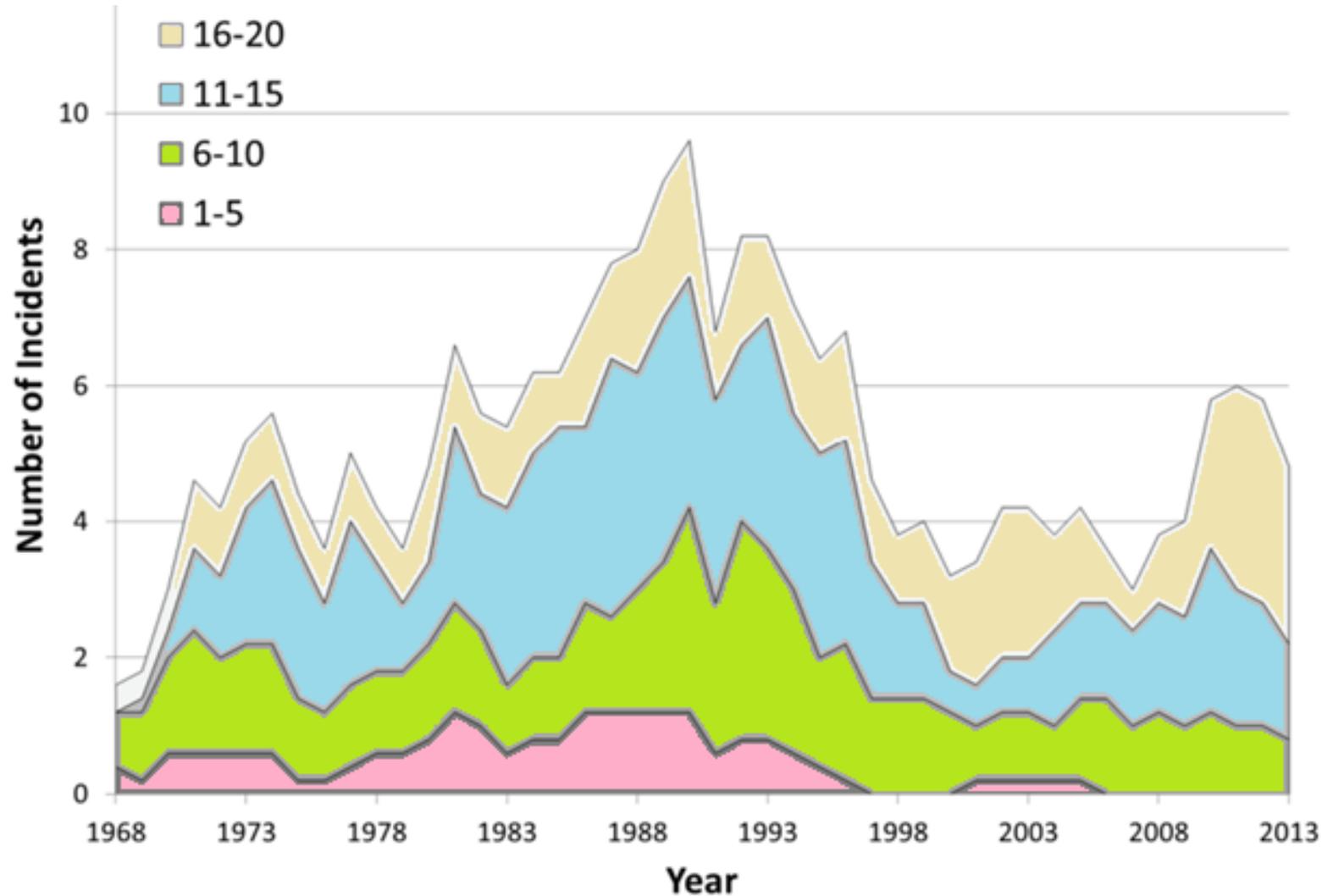
Grain Entrapment Incidents Injuries by Month



Ref: Summarization of Injury and Fatality Factors Involving Children and Youth in Grain Storage and Handling Incidents.
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Grain Entrapment Incidents

Over time by age group



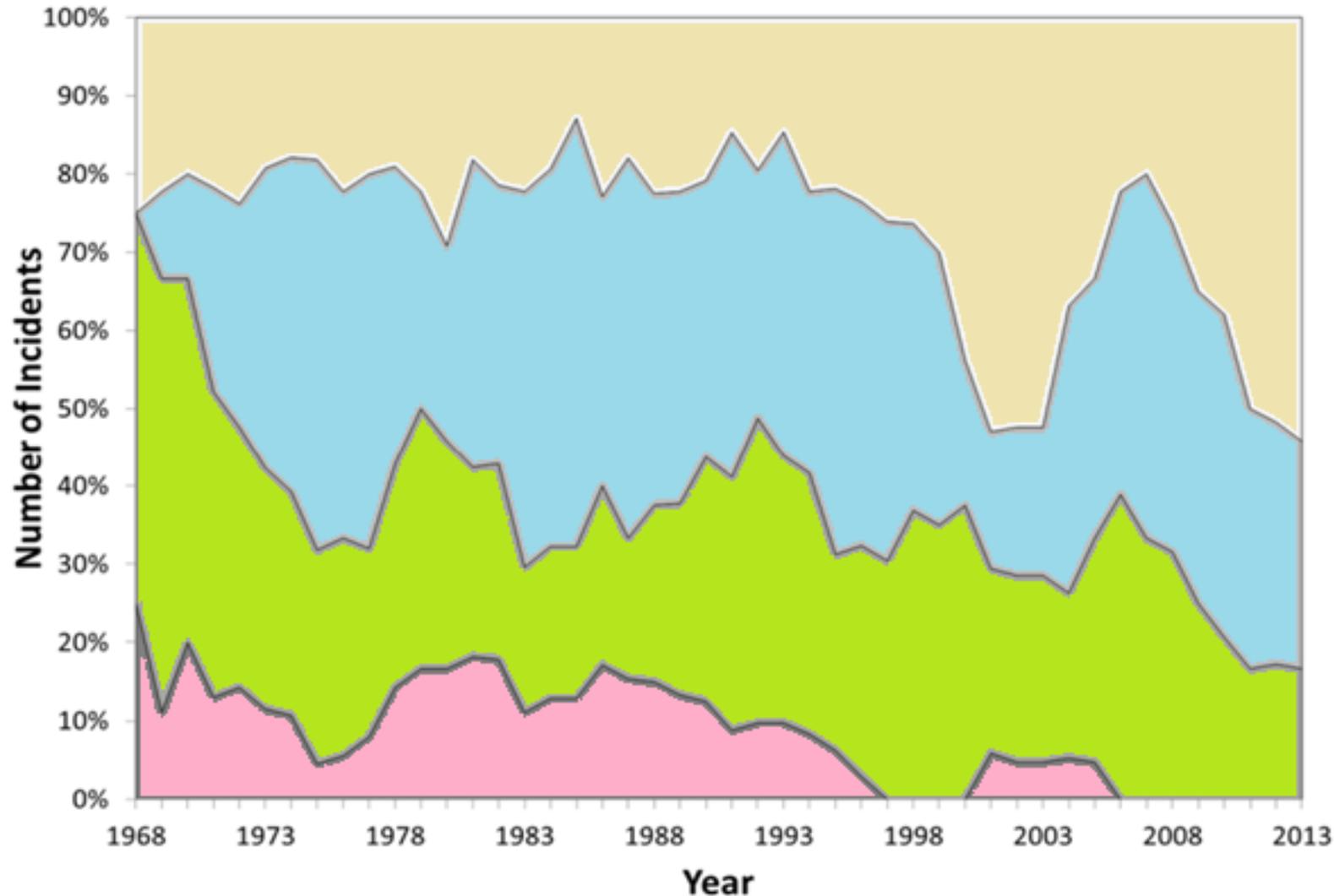
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Grain Entrapment Incidents

Over time by age group



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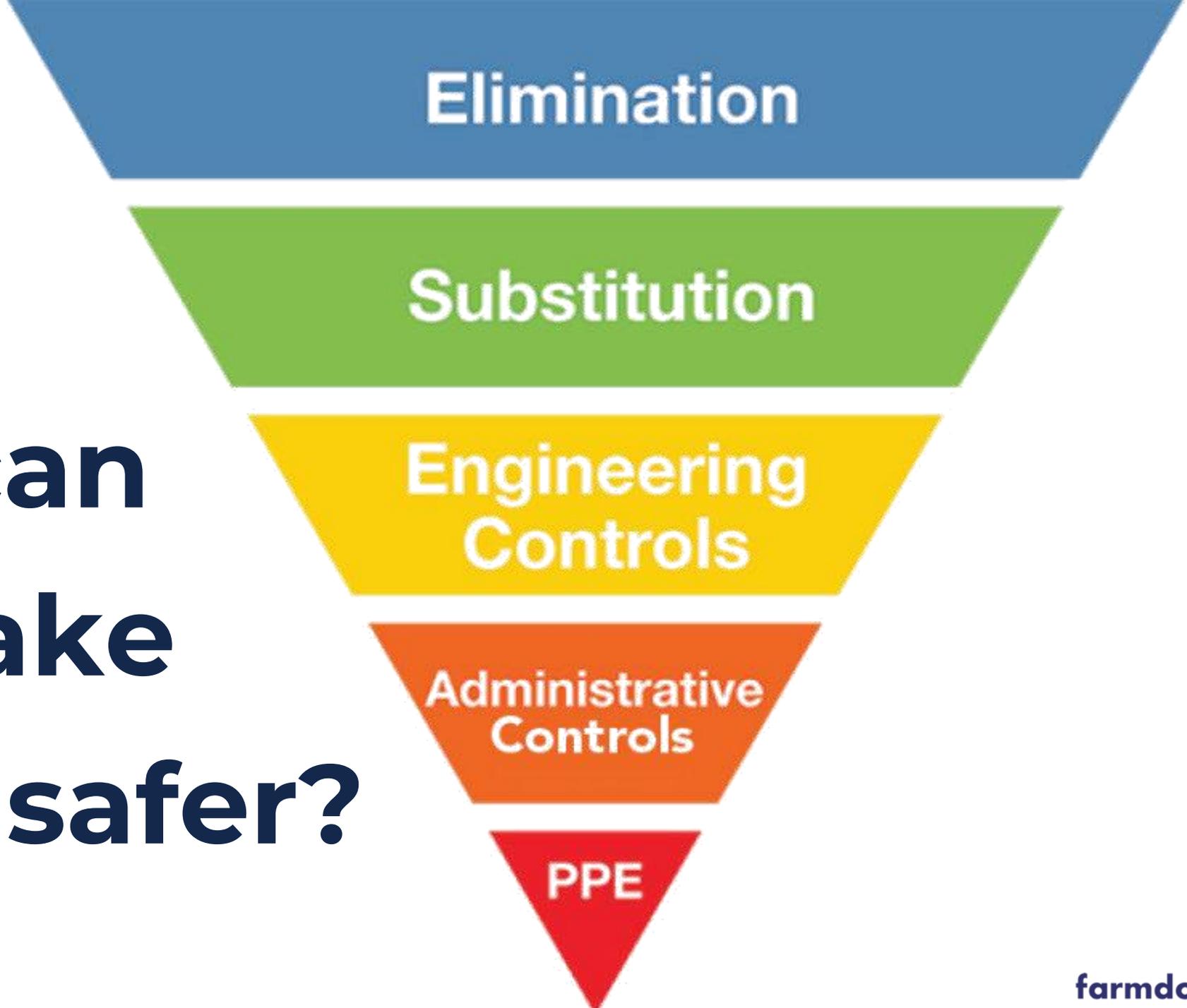
Copyright 2016 American Society of Agricultural and Biological Engineers.

Advantages of Growing Up on a Farm

- Responsibility / Work Ethic
- Independence
- Skills
- Initiative
- Problem solving
- Work/Bond with family and friends
- Understanding life/food cycles
- Protection from atopic asthma (hygiene hypothesis)



**How can
we make
farms safer?**



Elimination

Free Posters

cultivatesafety.org/resourcesearch

- Bury a Tradition
- Quality Time
- 75 lb. Child

1 Keep Kids Away from Tractors

40% Tractors cause over 40% of accidental farm deaths of children under 15

4 out of 5 farm children regularly ride tractors

It's time to break the tradition.
It's easier to bury a tradition than a child.
www.childsafety.org/products

YOUR 75 LB. CHILD HAS NO CHANCE AGAINST YOUR 10,000 LB. TRACTOR

KEEP KIDS AWAY FROM TRACTORS

THE TRACTOR IS NOT THE PLACE FOR QUALITY TIME.

SPENDING TIME TOGETHER ON A TRACTOR IS EXTREMELY DANGEROUS. EVERY YEAR CHILDREN ARE NEEDLESSLY INJURED OR KILLED BECAUSE ADULTS ALLOW THEM ON OR NEAR TRACTORS. GIVE CHILDREN THE QUALITY TIME AND SAFETY THEY DESERVE. A TRACTOR'S WORK IS NOT CHILD'S PLAY.

KEEP KIDS AWAY FROM TRACTORS

IT'S EASIER TO BURY A TRADITION THAN A CHILD

TRACTORS ARE RESPONSIBLE FOR 41% OF THE ACCIDENTAL FARM DEATHS OF CHILDREN UNDER 15. 4 OUT OF 5 FARM CHILDREN REGULARLY RIDE TRACTORS WITH FAMILY MEMBERS. WHILE RIDING THE TRACTOR MAY BE A FAMILY TRADITION, IT'S EASIER TO BURY A TRADITION THAN A CHILD.

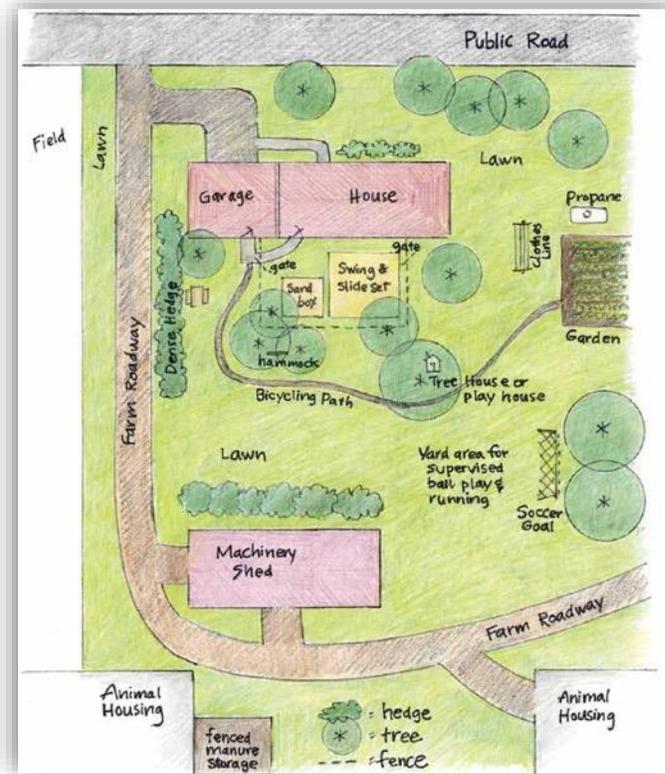
KEEP KIDS AWAY FROM TRACTORS

Elimination

Child Care

Safe Play Areas

- Fenced
- Ground cover
- Supervision
- Age-appropriate equipment
- Play ideas



Top 5 Safety Strategies

- 1 Keep Kids Away from Tractors**
40% Tractors cause over 40% of accidental farm deaths of children under 15
4 out of 5 farm children regularly ride tractors
It's time to break the tradition. It's easier to bury a tradition than a child.
www.childsafety.org/products
- 2 Keep young children out of the worksite**
Equipment Hazards: Skid steers, ATVs, PTOs
Supervision: Working in/around grain, Animals, Gates, tires, & environmental hazards
Safety Strategies: Child Care, Safe Play Areas - www.cultivatesafety.org/play
- 3 Ensure age appropriate work**
Teen characteristics: Lack of... Impuls... Risk tak... Desire... Suscept... Reluct...
- 4 Ensure...**
- 5 Provide...**

Creating Safe Play Areas on Farms

Fourth Edition

National Children's Center for Rural and Agricultural Health and Safety

Model sa...

FarmMedicine Center
FarmMedicine Clinic Research Foundation

<https://nasdonline.org/33/d001602/creating-safe-play-areas-on-farms.html>

Administrative

3 Ensure age and ability appropriate work

Teen characteristics:

- Lack experience
- Impulsive
- Risk taking attitude
- Desire to prove themselves
- Susceptible to peer pressure
- Reluctant to ask questions

Work Guidelines:

cultivatesafety.org/aywg



Assign only tasks that match a worker's abilities



Operating a Tractor

Can youth do this job safely?

Youth must be able to do/have all of the following to perform this job safely:

- Reach and operate controls while wearing a seatbelt
- Strength to repeatedly operate controls
- Tall enough for **good field of vision** when seated on tractor
- Understand and consistently repeat a 10-step process
- Recognize a hazard, problem solve, and respond appropriately
- React quickly to hazards
- **Mature** enough to consistently do what is expected
- **Think through** actions and consequences before acting
- Avoid loose clothing, clothes with strings, tie up long hair
- Comply with the [working outdoors guideline](#)
- Safely demonstrate the job 4 to 5 times
- Maintain [two-way communication](#) link



Adult Responsibilities

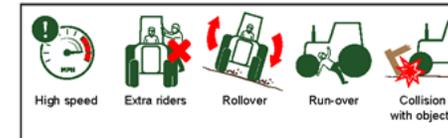
- Ensure tractor is mechanically sound and safety features are in place, including ROPS
- Review [developmental guidelines](#) to verify youth's ability to operate tractor
- Demonstrate how to safely drive tractor
- Provide appropriate training
- Educate youth to mount tractor using 3 points of contact
- Ensure work area is free from as many hazards as possible
- Educate youth on avoiding/addressing remaining hazards
- Ensure youth does not operate tractor after dark/in bad weather
- Train youth to call an adult if equipment malfunctions

Supervision

Note: Ensure tractor is sized appropriately for youth. Youth must be 16+ years to drive an articulated tractor. See [Tractor Operations Chart](#) for guidance.

14-15 yrs	Intermittent supervision progressing to periodic
16+ yrs	Periodic supervision

Hazards



Protective Strategies



www.cultivatesafety.org

<https://doi.org/10.21636/nmc.nccrahs.youthwork.operatetractor.g.2017>

Agricultural Youth Work Guidelines

[Media Kit](#)

More youth die working in agriculture than in all other industries combined. Many of the injuries and fatalities experienced by youth working in agriculture are associated with youth doing work that does not match their developmental abilities. The Agricultural Youth Work Guidelines (AYWG) are designed to help adults assess a youth’s abilities to safely perform a task and assign age and ability-appropriate tasks to youth working in agriculture, helping to prevent injuries and fatalities.

Each guideline includes a list of what a youth must be able to do in order to perform the task safely, adult responsibilities and guidance for supervising youth, as well as common hazards and protective strategies. These guidelines can also be used by supervisors and youth when discussing how to safely perform a task, for in-person training and/or as posters to remind employers, supervisors, and workers of the importance of staying safe. Activities and curriculum related to the AYWG will be available in the near future.

Using AYWG and HAYWG Together

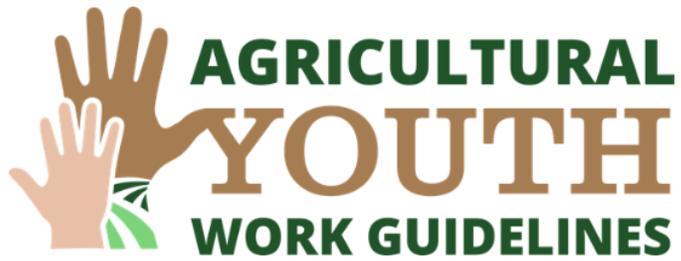
For hired youth, use the Agricultural Youth Work Guidelines (AYWG) in tandem with the Hired Agricultural Youth Work Guidelines (HAYWG). HAYWG are designed to help educate farm employers and supervisors on topics pertinent to hired youth, including guidance for training and supervising young workers, information on federal child labor regulations, access to state child labor laws, and guidance on supervising common tasks. Visit the [hired youth page](#) to access HAYWG.

Webpage Features

- **Search** for guidelines by using the filters on the left to find what you need.
- **Interact** by answering questions to determine if the task is safe to perform.
- **Read** the guideline as a standard web page.
- **View** or Print posters by choosing an available color scheme you desire.

Before Assigning Work

- **Assess the worker's ability to perform the task, regardless of their age**
- **Assessment includes, but is not limited to**
 - **physical and cognitive abilities**
 - **experience with similar or precursor tasks**
 - **successful demonstration of current task 4-5 times under supervision**
- **Supervisors must also provide training, supervision and enforce policies**



- Used by supervisors/parents
- Assign tasks based on ability
- Three Languages
- Mobile friendly website
 - Interactive
 - Read CultivateSafety.org/AYWG
 - Download
 - Print or View



Operating a Tractor

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Adult Responsibilities

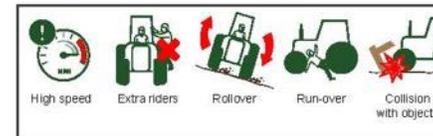
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14-15 years	Intermittent supervision progressing to periodic
16+ years	Periodic supervision

Hazards



Protective Strategies



Assess Ability to Perform Work Safely



Operating a Tractor

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Parent/Supervisor/Employer

Adult Responsibilities

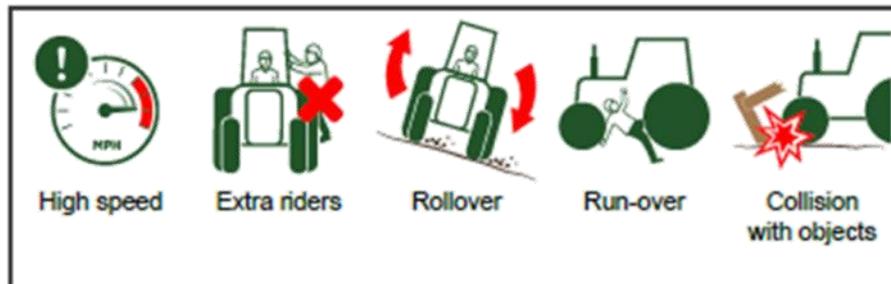
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Supervision

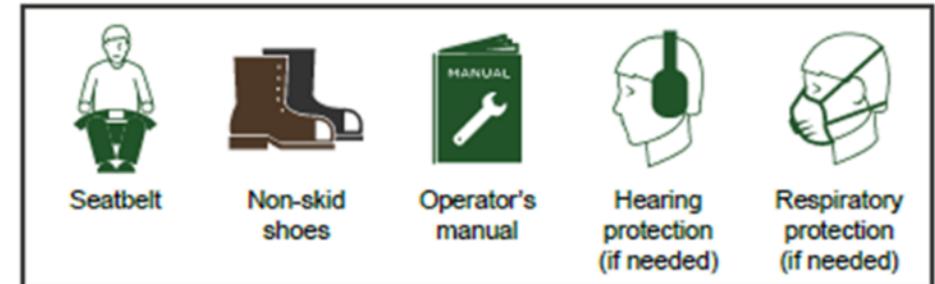
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Hazards



Protective Strategies



Engineering, Administrative, PPE

4 Ensure environment is as safe as possible



Eliminate/reduce hazards:

Examples:

- Distractions
- Slippery/uneven surfaces
- Repetitive motion



Provide Personal Protective Equipment:

Examples:

- Non-skid shoes
- Gloves
- Hearing protection



AgInjuryNews

Interact with more than 3,000 publicly available farm-related injury reports.

Visit Site →



Safe Agritourism

Provides information and access to hundreds of resources to help agritourism operators keep visitors safe.

Visit Site →



Farm Mapper

Digitally identify and map hazards through a birds-eye or augmented reality view.

Visit Site →



Tools of the Trade

Video demonstrations and accompanying handouts of ag-related safety resources, interactive tools and training programs.

Visit Site →



Safer Farm

Provides tools and resources to identify and address farm hazards and risks.

Visit Site →



Operating a Tractor

Can youth do this job safely?

Youth must be able to do/have all of the following to perform this job safely:

- Reach and operate controls while wearing a seatbelt
- Strength to repeatedly operate controls
- Tall enough for [good field of vision](#) when seated on tractor
- Understand and consistently repeat a 10-step process
- Recognize a hazard, problem solve, and respond appropriately
- React quickly to hazards
- [Mature](#) enough to consistently do what is expected
- [Think through](#) actions and consequences before acting
- Avoid loose clothing, clothes with strings, tie up long hair
- Comply with the [working outdoors guideline](#)
- Safely demonstrate the job 4 to 5 times
- Maintain [two-way communication](#) link



Adult Responsibilities

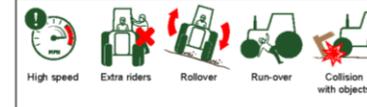
- Ensure tractor is mechanically sound and safety features are in place, including ROPS
- Review [developmental guidelines](#) to verify youth's ability to operate tractor
- Demonstrate how to safely drive tractor
- Provide appropriate training
- Educate youth to mount tractor using 3 points of contact
- Ensure work area is free from as many hazards as possible
- Educate youth on avoiding/addressing remaining hazards
- Ensure youth does not operate tractor after dark/in bad weather
- Train youth to call an adult if equipment malfunctions

Supervision

Note: Ensure tractor is sized appropriately for youth. Youth must be 16+ years to drive an articulated tractor. See [Tractor Operations Chart](#) for guidance.

14-15 yrs	Intermittent supervision progressing to periodic
16+ yrs	Periodic supervision

Hazards



Protective Strategies



<https://doi.org/10.21668/1nrc.nrcrths.youthwork.operatortractor.g.2017>

Administrative Safety Videos & Fact Sheet

- Bending
- Lifting
- Climbing



Bending Safety

Keeping back straight, move down to

Lifting Safety

Feet flat on the ground, back straight

Climbing Safety

Feet flat on the ground, back straight

Top 5 Safety Strategies

1 Keep Kids Away from Tractors



It's time to break the tradition.
It's easier to bury a tradition than a child.
www.childsafety.org/products

2 Keep young children out of the worksite



Safety Strategies: Child Care, Safe Play Areas - www.cultivatesafety.org/play

3 Ensure age appropriate work

- Teen characteristics:
- Lack experience
 - Impulsive
 - Risk taking attitude
 - Desire to prove themselves
 - Susceptible to peer pressure
 - Reluctant to ask questions

Work Guidelines:
www.cultivatesafety.org/work



4 Ensure environment is as safe as possible

-
- Eliminate/reduce hazards:
- Examples:
- Distractions
 - Slippery/uneven surfaces
 - Repetitive motion
-
- Provide Personal Protective Equipment:
- Examples:
- Non-skid shoes
 - Gloves
 - Hearing protection

5 Provide training for work/tasks & ensure proficiency



Model safe behaviors



Train youth to do job



Practice until proficient



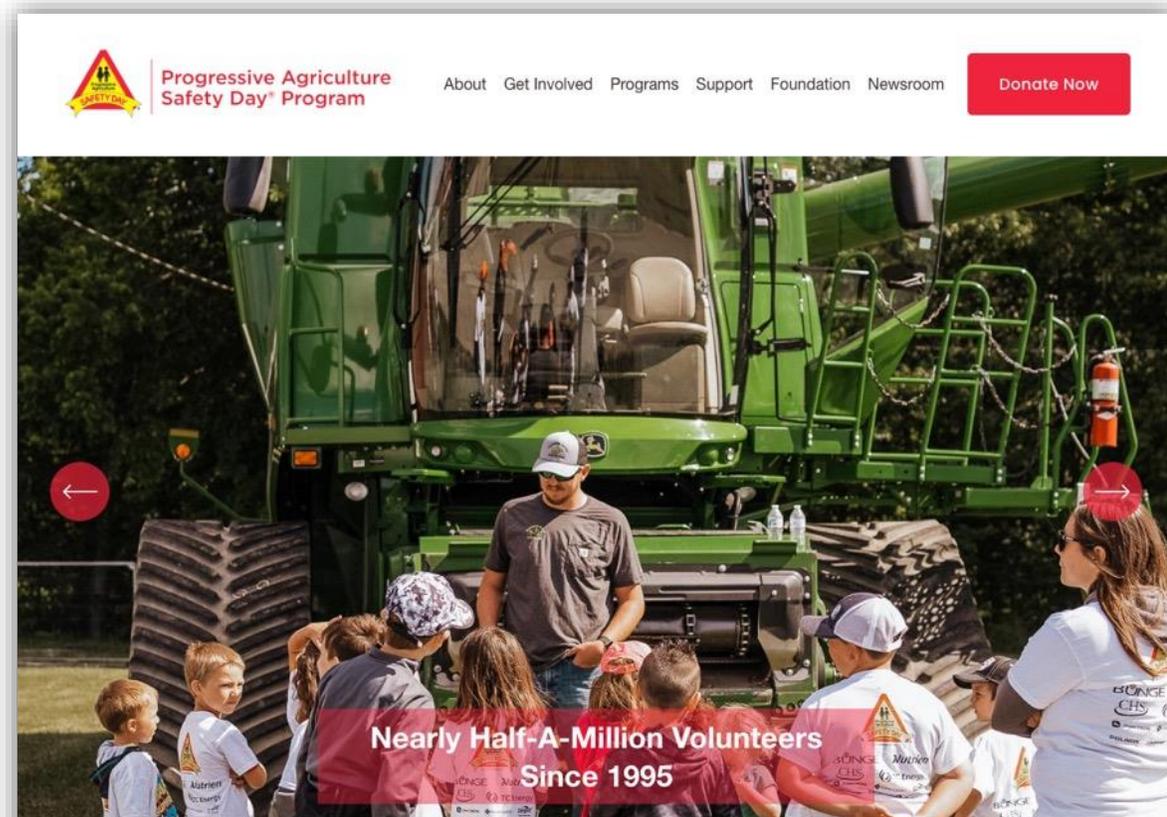
Supervise



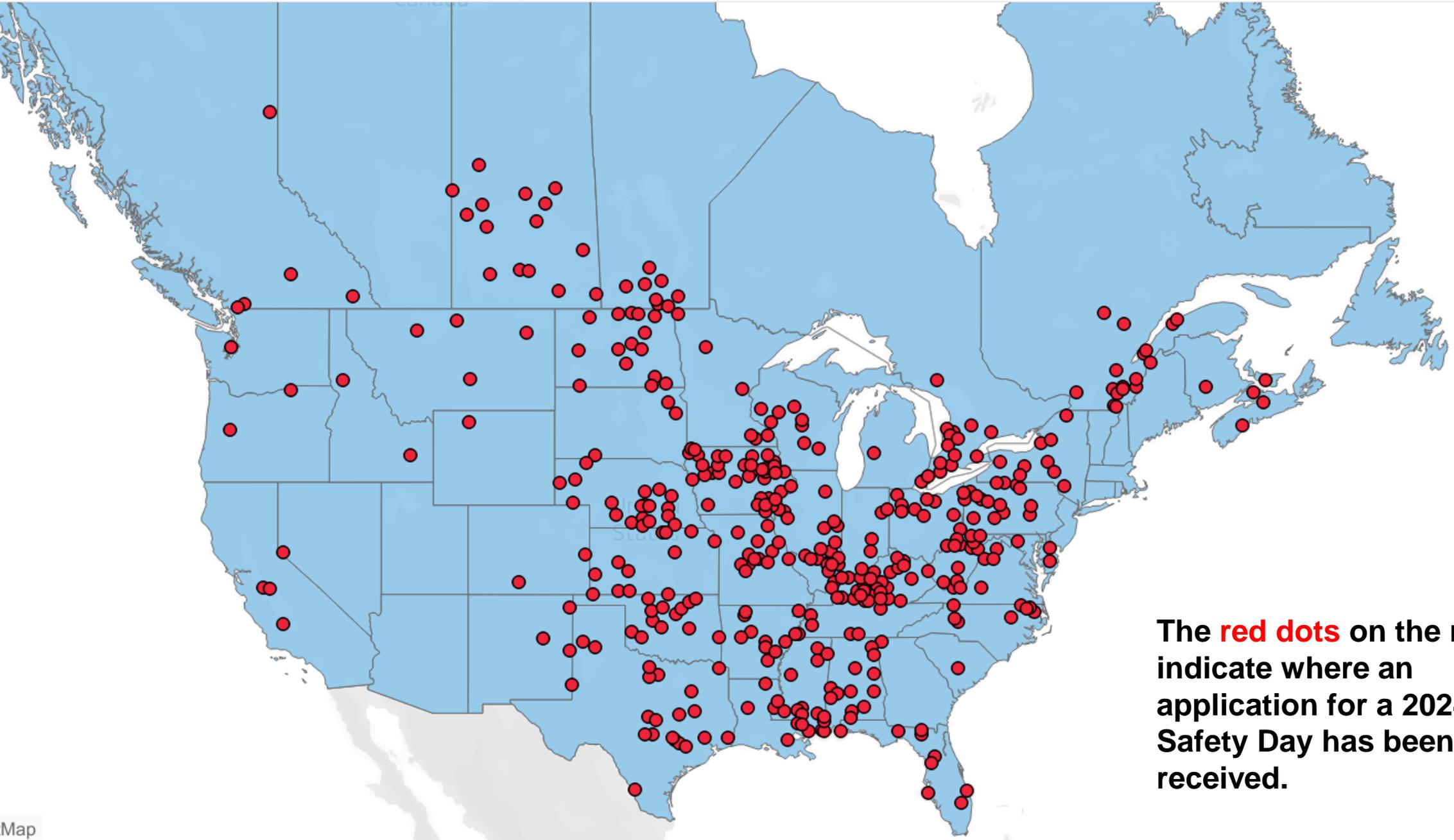
Progressive Agriculture Safety Day® Program

- Conduct programs in communities and schools.
- Serve over 45 states and territories.
- Conduct youth trainings on
 - Animal
 - ATV/UTV
 - Chemical
 - Grain
 - Tractor
 - And much more

www.progressiveag.org



2024 Progressive Agriculture Safety Day® Program



The **red dots** on the map indicate where an application for a 2024 PAF Safety Day has been received.

DELIVERY MODES



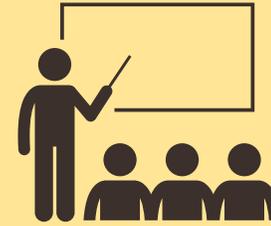
School-Based

- Most popular and offered year-round
- Reaching specific grade(s)
- One school or multiple schools
- Often recurring, school-recognized event or field trip



Community-Based

- Reach a variety of ages (sometimes the entire family)
- Offered in the summer or weekend (often in conjunction with another event)



Classroom-Based

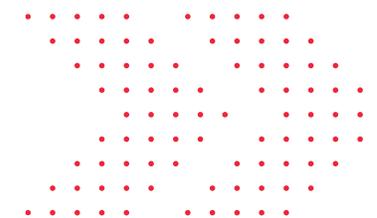
- Focused on “in-classroom” learning activities



Safety Zone

- Alternative to a traditional Safety Day
- Offered in conjunction with other events
- Should take place in a contained, designated area or zone
- Stations are offered in condensed segments and families can come and go as they please

NEW



PROGRESSIVE AGRICULTURE FOUNDATION



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ILLINOIS

Youth Labor Laws in the US

Fair Labor Standards Act

- Minimum age of employment
- During school hours
- Type of work
(hazardous/non-hazardous)
 - Need to be ≥ 18 for hazardous work
- Number of hours
- Agriculture is often exempt from U.S. regulations regarding youth labor laws

Child Labor Bulletin 102
Child Labor Requirements in
Agricultural Occupations Under
the Fair Labor Standards Act



U.S. Department of Labor
Wage and Hour Division

WH1295
(Revised 11/16)

www.dol.gov/whd/regs/compliance/childlabor102.pdf

Non-Agriculture Non-Family	Agriculture Non-Family	Agriculture Family
<p>< 12 Limited work, outside of school, restricted hours</p>	<p>< 12 Nonhazardous work (parents consent) on small farms, outside of school, unlimited hours</p>	<p>< 12 Any work, any time, unlimited hours</p>
<p>12-13 Limited work, outside of school, restricted hours</p>	<p>12-13 Nonhazardous work (parents consent), outside of school, unlimited hours</p>	<p>12-13 Any work, any time, unlimited hours</p>
<p>14-15 Nonhazardous work, outside of school, restricted hours</p>	<p>14-15 If complete training → tractors/machinery, outside of school, unlimited hours</p>	<p>14-15 Any work, any time, unlimited hours</p>
<p>16-17 Nonhazardous work, outside of school, unlimited hours</p>	<p>16-17 Any work, outside of school, unlimited hours</p>	<p>16-17 Any work, any time, unlimited hours</p>

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What specific tasks are prohibited by the **HOOA** for youth under 16?

1. Operating tractors over 20 PTO hp.

11. Transporting, transferring, or applying anhydrous ammonia

3. Operating specialized powered machines

5. Working in wood lots with logs over 6 inches in diameter

6. Working on ladders and scaffolds at heights over 20 feet

8. Working inside toxic atmospheres or confined spaces (silos, grain bins, manure pits, tanks, fruit storage)

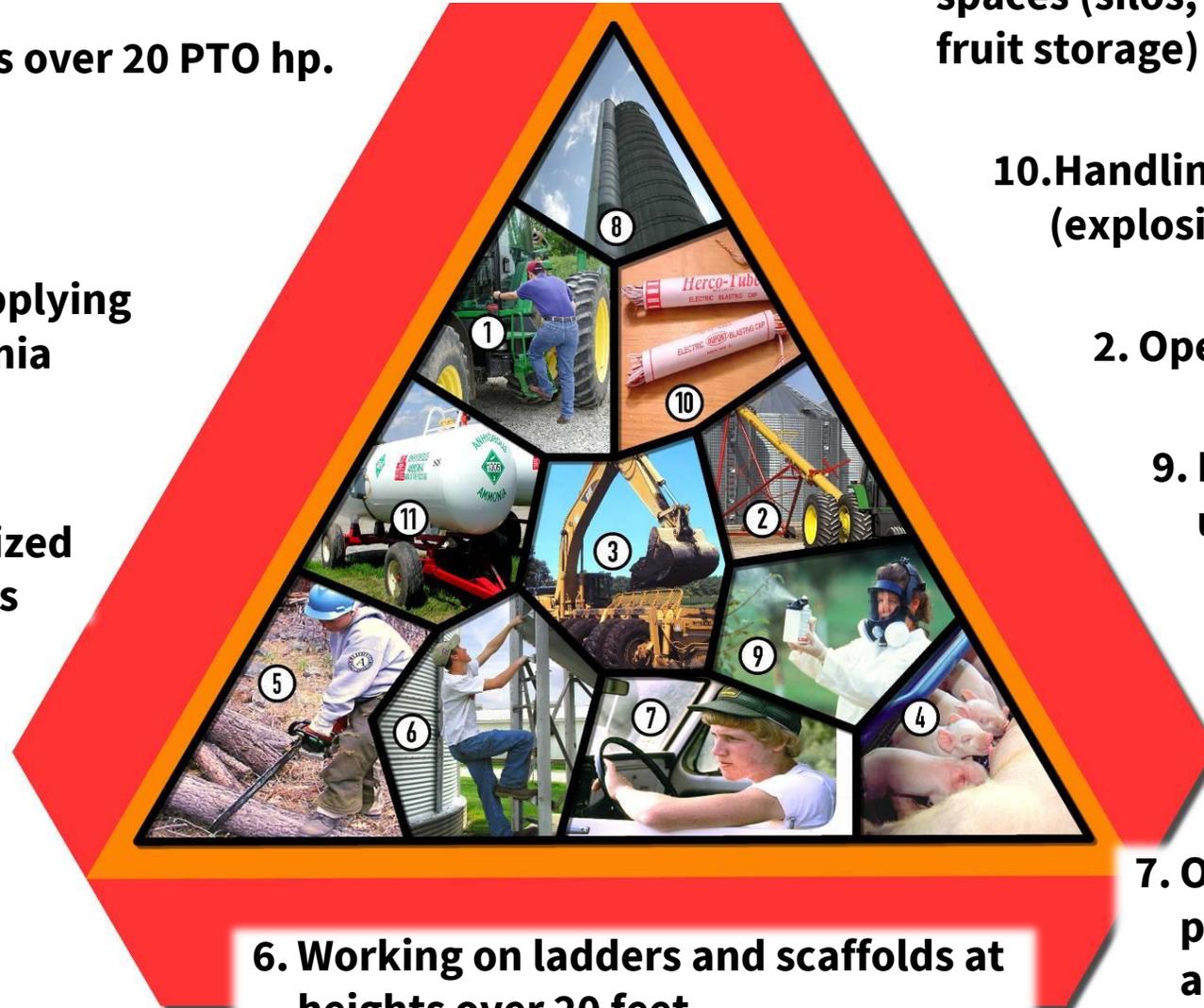
10. Handling or using a blasting agent (explosive)

2. Operating PTO-operated machinery

9. Handling or applying restricted use chemicals

4. Working with breeding livestock including bulls, boars, and stallions

7. Operating a vehicle to transport passengers or riding on a tractor as a passenger



Exceptions and Limitations for HOOA

- Youth ages 14 and 15 can get exemptions to restrictions regarding tractors and farm equipment
 - Provided they take trainings and get certified (usually managed by 4H, Extension program or a high school vocational program)
- All family farm operations are exempted
- Student learners exempted if hazardous activity was related to their training and in short duration.
 - Limited to tractors, machinery, animals, logging, and climbing ladders/scaffolding

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September 17

Addressing Mental Stress and Health in Agriculture

Oct 15

Resources for Farmers in Crisis

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Thank You for joining us!

Please submit questions



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How AI Will Transform
Agriculture**

November 19, 2024

Interested in a
PAF Safety Day
or PAF Safety
Zone?

Complete a
brief, on-line
Interest Form

