Non-Working Children



Objectives

- Discuss the risks and hazards for young children on farms*
- Explore how prevention strategies and resources can be used to prevent injury
- Explore how cultural issues can impact working with various populations
- Discuss the risks for children visiting farms, and discuss prevention strategies for visiting children

The Numbers

- ~2 million farms in the U.S.
- ~893,000 children live on farms
- Almost 24 million children/youth visit farms
 - Family (e.g. grandparents)
 - Friends
 - Agritourism



Challenges/Risks

A child dies in an agricultural related incident every 3 days

Agriculture
is our nation's most
dangerous occupation,
and the only worksite in the
U.S. where children* of any
age can be present.

33 children are injured in an agricultural related incident each day

60% of child
agricultural
related fatalities
happen to
children who are
not working

Children doing work that does not match their developmental level is associated with increased injury risk

The number of agricultural related injuries among youth ages 10-19 is increasing

Challenges/Risks

Injuries²

FALLS







ANIMALS



MACHINERY/ VEHICLES

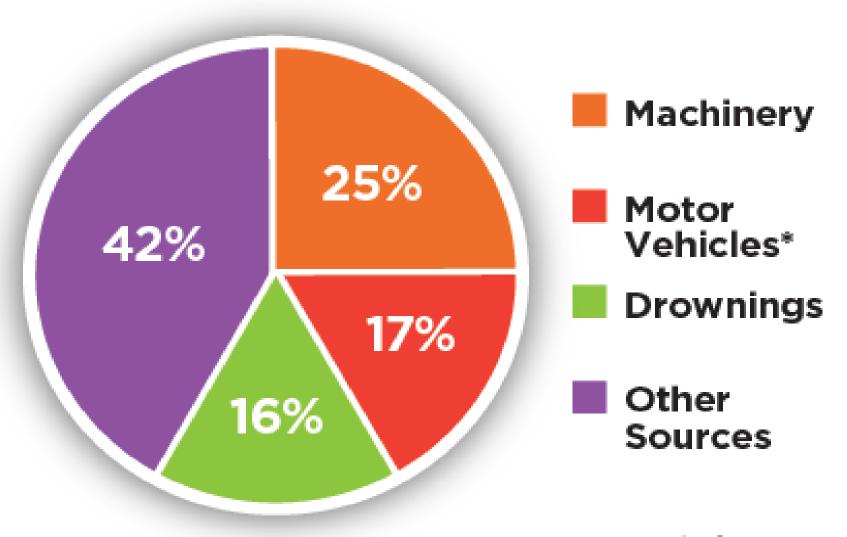






Challenges/Risks

Fatalities¹



*Includes ATVs

Parental Perceptions

- Many parents don't see farm as dangerous¹
 "it happens to someone else"
- Parents perceive safety as "obvious"²
- Distrust information from safety professionals^{3,4}
- Negative response to those they see as arrogant

and condescending^{3,4}

Image source: www.pdhpe.net

MYTH: Young children riding on tractors is necessary to get them interested in farming

HAZARD: Tractors are responsible for 41% of the accidental farm deaths of children under 15, yet 4 out of 5 farm children regularly ride tractors with family members.



KRIS New

Tractor Incidents

March 31, 2014

Boy Killed in Farm Equipm

12-year old boy was the victim of a deadly tractor accident Friday night. The boy and his sister were

San Patricio County - A tractor and went under the brush hog. The incident foll happened intersection of FM 136 and FM 188. San Patricio riding on a tractor pulling a County Sheriff Leroy brush hog which is used Moody tells us his

April 18, 2014

Toddler Hospitalized After

Rochester, MN - A toddler pinned under the tractor, is hospitalized after a which is just slightly accident near larger than a standard

10 TH New to the lier

6 Year Old Killed in Tractor

St. Louisville, OH - A 6-vear-old boy died after he fell off a tractor his father was driving and was run over. The Sheriff's office responded to the call evening.

The father, 25, was hauling wood at the time of the accident, according to a Captain said another child who was riding on the other side of the tractor, ran to the house and called

that around 5 p.m. Sunday The victum was taken to the hospital where he was pronounced dead. The sheriff's office continuing investigation.

The Daily E

April 21, 2014

October 19, 2013

The 2 1/2 Year Old Dies in Farm

rela Saltcreek Township, OH A 2 1/2 year old girl died Wednesday evening after she was run over by a tractor at her home.

She was pronounced dead home around 4 p.m.

at 5:30 p.m. at the hospital. where she was transported by an emergency squad. Emergency personnel and a Sheriff's deputy had been dispatched to the family

SU Times

Tractor Rollover Kills 5 Yea

Clearwater, MN - A local amily is in mourning after 150-year-old man and his i-year-old grandson died after a tractor rollover this past weekend. They went on a tractor ride together Friday afternoon on the hobby farm.

According to the Sheriff's Office, deputies received a call that the tractor had flipped into a ditch pinning the two.

grandfather died at the scene; the 5 year old was airlifted to a nearby hospital and died.

"He was just a very energetic boy," his unice said. "He loved following Grandpa around." The boy lived with his grandparents, and the two loved spending time together, he said. The boy liked being hands-on and helping his grandpa.

5-Year-Old Boy Pronounced

Explore Vei

Township, PA - A imp 5-year-old boy was pronounced dead after an The accident that occurred that around 4:40 p.m. The rela County Coroner contacted the State Police to report an accident that resulted in the death of the boy. Though she hasn't made a uling as to the cause of she said death 'Ultimately what happened was, he fell off the (farm) tractor he was

tires." The boy was transported to the hospital where resuscitation efforts continued, but all failed, and he was pronounced dead by the ER doctor. "His death is related to blunt force trauma," she explains. State Police say the victim's two brothers were also riding on the farm tractor at the time of incident. investigation into what appears to be an accidental

Delano Hera

Th

Fatal Tractor Accident Kills

Delano, MN - A John Deere Model B, driven by a 50 year old man was going through the ditch from the yard to the road when the tractor flipped over backwards onto the two occupants of the

tractor. The man was deceased at the scene. The 6 year old boy was taken to the hospital via air ambulance, but later died according to the Sheriff's department.

MYTH: It's OK to have children ride on equipment if there is a cab.

HAZARD: Cabs can provide a false sense of security, as they do not guarantee the safety of extra riders.



The Daytor

Cab Incidents

April 24, 2014

Tractor Accident Kills Teer

flipped on its side, killing a 14-year-old girl and injuring four other family members. Five people,

Newberry Twp. - An were transporting bags of tractor pulling a trailer horse feed in the trailer, which the shemiffs department said was not overloaded. Investigators are looking into the

Valley New

uly 18, 2013

Child Dies in Farm Accident

A toddler is dead after alling from a tractor in a arming accident. The ather was with his two ons (1 & 4 years old) in he tractor on the field, with the windows open to

cover crop when the I year old fell from the cab of the tractor. transported to the hospital, where he was pronounced dead. The accident remains under investigation, but it

News Chai

April 21, 2011

Child Falls to Death Off Tr

Trenton, TN - A 4 year old boy has died in a fall from a farm tractor. The boy was large, dual-wheel,

four-wheel-drive tractor. As the machine was being turned around the cab door flew open and the boy was thrown out.

The Country

Toddler Killed in Farn

Rock Co., WI - A 3 year old boy died after he was run over by a farm tractor. The boy was riding ni the cab of a truck with his father and 5 year old brother. His father was plowing a field when the tractor hit a bump. The boy

grabbed the door next to him, the opened and he fel The rear tractor tu over the child. He rushed to the ho where he was prono dead.

The Artic

October 24, 2013

Th

tha

5 Year Old Killed In Far

Dickinson County, KS - A five-year old girl was killed Wednesday evening in a farming accident. The accident occurred about

The Sheriff said the gul was riding in a combine in a soybean field with her father. They hit a bump, the windshield shattered,

and the child fell forwa through front window a landed on the machin header. Emergency creresponded immediate but she was pronounc dead at the scene.

gul was kindergartner at the lo elementary school...

in li

Eyewitness

July 22, 2014

Family Suing Machinery De

COUNTY. Kan. - The parents of a Dickinson County girl killed in a farming accident last October are filing a lawsuit against a combine manufacturer and a farm equipment dealer.Five-year-old Brooklyn Debenham was killed while riding in a combine with her father. The Debenhams say the glass shattered while the father and daughter were haivesting soybeans in the family field. Brooklyn fell through the opening in the front of the machine. Attorneys for her parents say they are suing AGCO out of Hesston and Lang

Diesel in Hays regarding the deadly accident. The major complaint filed surrounds the type of windshield on the combine and how it was secured to the vehicle Attorneys for the Debenhams say AGCO had decided to use "laminate" glass instead of "tempered" but used up a surplus of "tempered windshields before implementing the switch. One of the tempered windshields made it on the Debenhams combine. The lawsuit states tempered glass shatters into tiny pieces, which created a large hole in the win

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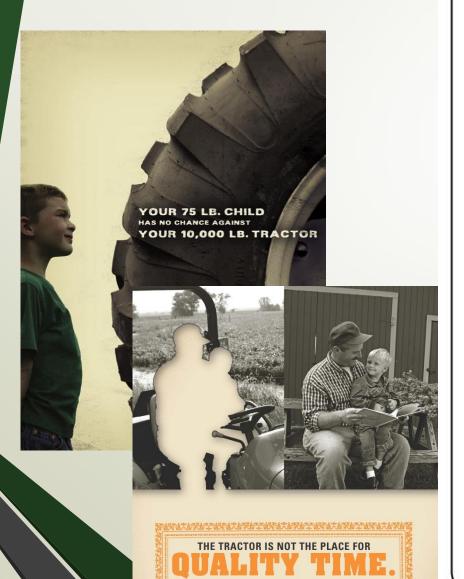
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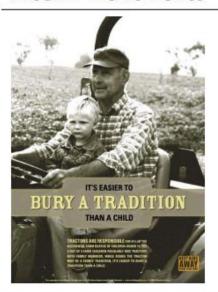
Tractors

#1 cause of fatalities



CULTIVATE SAFETY

KEEP KIDS AWAY FROM TRACTORS



On many farms it's been tradition for children to ride tractors with parents or other adult relatives. But in a split-second, a child can fall and be crushed by a tire, or run over by a mower or other implement. These types of "accidents" are preventable.

National campaign

A national coalition of agricultural safety and youth-serving organizations is campaigning with a simple tough-love message: "It's easier to bury a tradition than a child."

"We're trying to preserve the best part of agricultural tradtion, but at the same time change social norms, so that people view unsafe practices for what they are unacceptable," said Barbara Lee, Director of the National Children's Center for Rural and Agricultural Health and Safety in Marshfield, Wis.

The Childhood Agricultural Safety Network (CASN) is a 60-member coalition that includes American Farm Bureau Federation, National FFA, Progressive Agricultural Foundation, Migrant Clinicians Network, National Education Center for Agricultural Safety, John Deere, and many more organizations. Find out more about CASN at ChildAgSafety.org.

Leading cause of death

On average, a child dies from injuries on a farm once every 3 days. The leading cause of those deaths is the tractor. Tractors are responsible for more than 40 percent of unintentional farm injury deaths of children under 15, yet many farm children regularly ride tractors with family members.

Even if the tractor does not overturn, there are many ways that a rider can be injured. Sudden stops, driving over holes, stumps and debris, or a sharp turn can cause the extra rider to fall. The mere presence of a child can be distracting to the operator, increasing the chances of a mishap.

Not even a tractor cab insures safety. Recent examples include the death of a 3-year-old southern Wisconsin boy, who grabbed the cab's door handle for support when the tractor hit a bump. The boy fell out and was run over by his dad.

Star power

Country music artist Michael Peterson supports the coalition. He recorded a 30-second video public service announcement at his farm near Nashville, as well as two audio ads. Peterson's contributions can be found by going to CultivateSafety.org, which links to posters, logos and other campaign resources, some in Spanish and French. The awardwinning campaign has been featured on AgDay television news and on RFD-TV, and its message can save lives. Coalition members explain to farm parents that a very simple way to protect a child is to say, "No, you can't be on or near this tractor."



Nurture Interest in Farming









Nurture Interest in Farming

"A powerful way to entice children to be interested in farming is for children to witness their family enjoying the production of food. A garden is an ideal location for this, as parents can take the time to explain what is happening in a safer environment, avoiding the stress, risk, and hustle and bustle of the busy worksite."

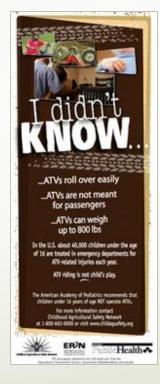
David C. Schwebel, PhD.
Child Development Specialist
University of Alabama at Birmingham

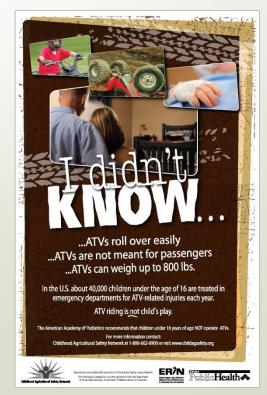


ATVs & UTVs

Increase in injury & fatality incidents

- Young operators
- Wrong size machine
- Passengers
- No helmets or PPE
- Operating
 - On roads
 - Slopes/uneven ground
 - In the dark
 - Pulling something

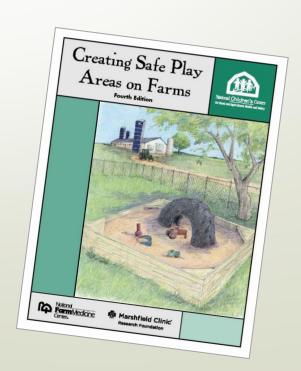




The Goal

Keep young children out of farm worksite

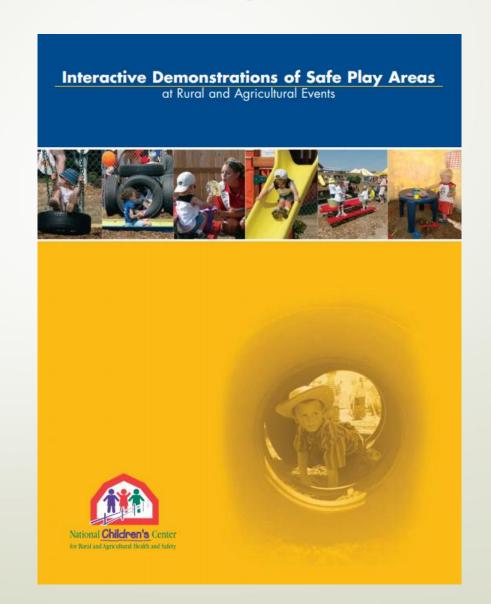
- Child Care is the best option
- What if child care isn't an option?
 - Safe Play areas
 - Full color booklet
 - Three "Mini-Editions
 - English
 - Spanish
 - French
 - Cultivatesafety.org/play



Demonstration Safe Play Area

Why a demo?

- Provides
 - Concrete example
 - Guidance
 - Ideas
 - Resources
- Models
 - Ground cover
 - Fencing
 - Play structures



AgInjuryNews.org

Example uses

- Address "happens to others"
- How common are tractor...?
- What is happening in my area?
- What happened in the last months, year...
- Find more ATV...
 incidents for article...
- And much more



More Info: CultivateSafety.org



Home

Work

Play

Accidents

Resources

Online Tools

Cultivate Safety

Farms and ranches are home to many things that are beneficial to both children and adults (plants, animals, family, chores, business features, etc.). Many adults who grew up on farms are happy to talk about the benefits of being raised on a farm – from instilling a good work ethic and teaching responsibility to building character and instilling a passion, love and respect for the land.

However, farms and ranches also have the most dangerous and deadly worksites in the U.S. By implementing the safety strategies and using the resources on this website, farmers and ranchers, their families and employees can reap the benefits of farm and ranch life, while minimizing the risks.

The National Farm Medicine Center and National Children's Center for Rural and Agricultural Health and Safety designed the Cultivate Safety website to provide easy access to agricultural safety information and resources for farmers, ranchers, supervisors and media. We welcome your questions, suggestions and comments.











MIGRANT AND IMMIGRANT CHILDREN IN AGRICULTURE

Agricultural Worker Demographics



1.8 - 2.5 million estimated population^{2,3}

- 1. National Agricultural Workers Survey (NAWS) 2013 2014. https://www.doleta.gov/agworker/pdf/NAWS_Research_Report_12_Final_508_Compliant.pdf
- 2. Kandel W. Profile of Hired Farmworkers, A 2008 Update. Economic Research Service, US Department of Agriculture; Washington, DC; 2008. Economic Research Report No. 60.
- 3. Martin P. Immigration reform: implications for agriculture University of California, Giannini Foundation. Agricultural and Resource Economics Update. 2006;9(4).

Agricultural Worker Demographics¹



Hispanic (80%) COLLEGE SECONDARY PRIMARY Foreign born workers, on average,

have a 8th grade education

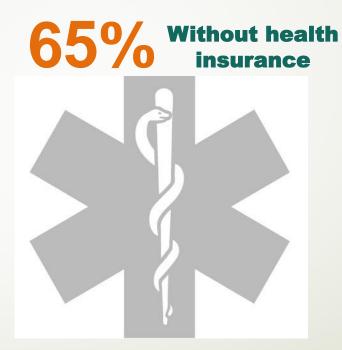
73% foreign born

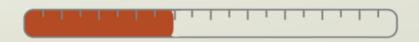


Agricultural Worker Demographics¹

Mean and medium individual income range from \$15,000 to \$17,499

30% of agricultural worker families had total family incomes below 100% of the Federal Poverty Level





38% had not visited a U.S. healthcare provider in last 2 years

Agricultural Worker Demographics



In 2006 women = 21% of the farmworker population

In 2014 women = 28% of the farmworker population

More farmworker families moving together and settling in regions

25,000 Children

years of age

currently work in agriculture

Farmworker children often begin working on farms as young as age 10

10% of farmworkers are teens

7% of farmworker parents bring preschool age children to work

Source: GAO; Salazar et al., 2004; Kandel, 2008

1/2 of migrant workers are parents

~one million migrant farmworker children in the United States

5.5 million children of unauthorized immigrants

~ 75% US Citizens

Source: McLaurin, Liebman (2012); Passel, Cohn (2011)



Not just migrant:

Immigrant labor essential to modern dairy







Hazards for Nonworking Children in Agriculture



- Pesticide exposure in the fields and at home
- Extreme weather
- Slips, trips and falls
- Drowning



Beyond the workplace

- Substandard Housing
- Water and Sanitation
- Infectious Diseases
- Food Insecurity
- Take-Home and Drift





- Mobility
- Adequate housing
- Language barriers
- Lack of financial resources



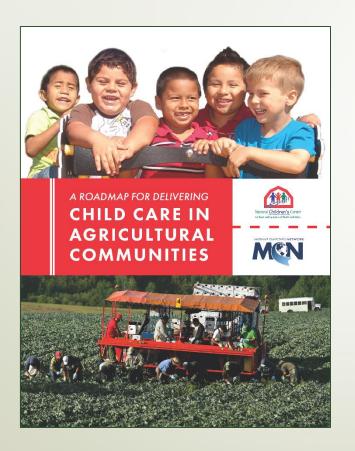
- Transportation
- Immigration Status
- Childcare
- Healthcare



Child Care Services & Employee Recruitment & Retention

- Most farm workers (89%) are more likely to choose a job in a location with accessible child care services
- Almost all farm workers (98%) with children report having missed work in the last six months due to child care issues
- Child care services enable more women to work
- More employees will return to a job when child care services are available in the area

Roadmap for Delivering Child Care in Agricultural Communities



Goal: Assist with developing or enhancing child care services

- Helps identify challenges, assets, and resources in communities
- Provides access to needed information
- Assists with overcoming common barriers
- Includes example programs

Roadmap is a partnership between the Migrant Clinicians Network and the National Children's Center

Example Programs

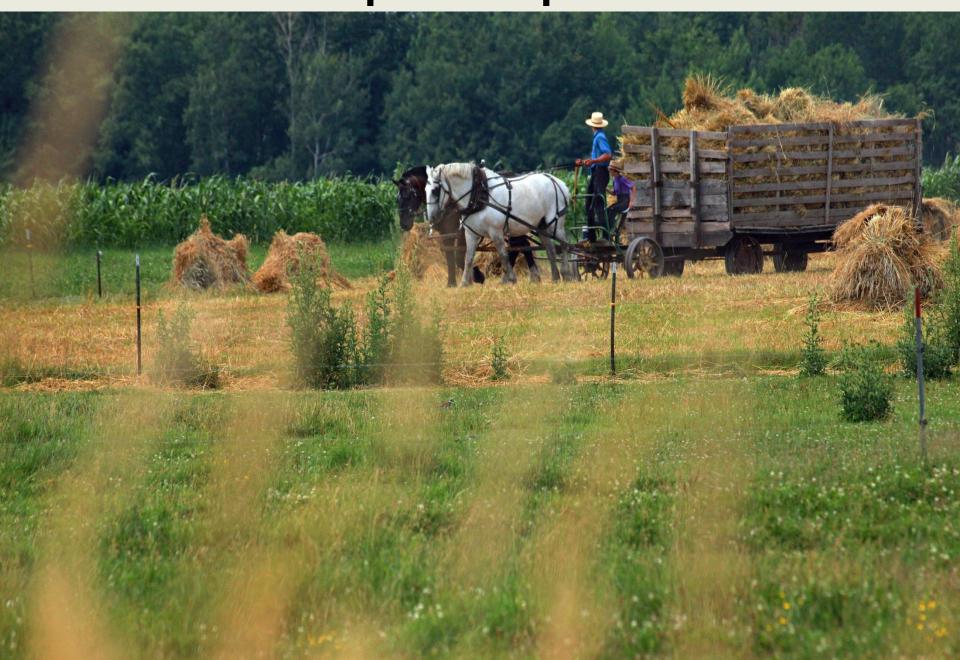
Migrant and Seasonal Head Start

- Serves children o-3 years old
- Service coordination for families migrating from state to state
- Extended service hours service, 12 hours a day, and often 6 days a week
- Only 20% of eligible children enrolled

Source: National Migrant and Seasonal Head Start Association



Anabaptist Populations



Anabaptist Populations

- Exposed to agriculture (farms & produce) at early ages
- Communities can range from the very conservative to well versed in technology & modern farm practices
- Participate in safety and health programs conducted by their Amish Safety Committee
- Children are "gifts from God"
- Common Amish youth injuries: falls, animals, chemicals, and equipment
- Gap in safety education resources for this population







Connect with Community Partners

- English Connections within the Amish Community
 - County Extension Offices
 - Department of Health or other government offices
 - Medical clinics & hospitals
 - Community organizations & businesses
- Key informant or individual can provide helpful advice, connections, & introductions
- Religious connections (bishops and key leaders of the church)
 - Fact or myth: It is advisable to approach the Anabaptist religious leaders for safety & health issues.

Know Your Anabaptist Audience

- Consider the time of year for program; does it fit their schedule?
- How do you determine their educational needs?
- What access do you have to the audience? Where is program taught?
 - In-school programs will not typically be your 1st connection
 - Community events are popular for multi-generational learning
 - Be prepared for others to discuss and also teach your program
 - Firemen, Sheriff, Teachers, Veterinarians, Local Businessmen

Educational level

- Attend school until the eighth grade
- Language barriers with younger Anabaptist
- Keep your message simple and repeat key concepts
- Teaching methods should include a variety of approaches
 - Limited written text
 - Limited use of electricity
 - Demonstrations, visual aids, and hands-on learning are encouraged
 - Be prepared for dimly lit rooms, basements, barns
 - Use microphone for large audiences

Be a Professional

- Be respectful of their beliefs
 - Limit your own personal questions
 - Ask questions if it pertains to the topic or teaching approach
 - There are many different Anabaptist cultures
 - Respect gender biases, political & worldviews, etc.
- Understand language variations
 - Be mindful of English words that are not used in their culture (use of Children vs. Kids)
 - Present concrete, not abstract, scenarios
 - Smiling and head nodding from Amish audiences doesn't always mean they are agreeing with you – they are being polite
- Dress appropriately
- Use good customer service skills



Build Trust

- It takes time to build relationships and trust
 - Effective programs are spread by word of mouth
 - New programs may only be attended by Amish leaders or key family members for that community
 - Amish may only attend meetings / programs when they know who the presenter is, and what the speaker will present
- Tread carefully if you seek evaluation data
 - You may receive "representative" data of their community, not personal thoughts
 - Don't ask or expect personal feedback to be written in the comment section
 - A verbal evaluation may work best, where you ask 1 or 2 persons to tell you their views on how the program was perceived
 - Make sure your evaluation questions are specific and easy to understand
 - If you want to use a scale, make sure sentence structure is clear, and the scale rating is understood
- Once your program is implemented with success, and you have built relationships or credibility, expect to spend considerable time with one-on-one or follow-up questions

Resources



This is a slow-moving vehicle sign and should be mounted on all farm machinery, including road construction equipment and animal drawn vehicles. The sign should signal motor vehicle drivers to slow down. Vehicles displaying the slow-moving vehicle sign are prohibited by law to go faster than

HORSES ARE NOT MACHINES

When approaching and passing a horse-drawn vehicle, remember that horses are unpredictable and even the most road-safe horse can snook at a fast-moving motor vehicle. Be sure to slow down and give buggies and horse-drawn equipment plenty of room when passing. Only pass when legal and

REMEMBER:

RURAL ROADS ARE NOT CITY STREETS

EVEN THE FASTEST HORSE IS SLOW

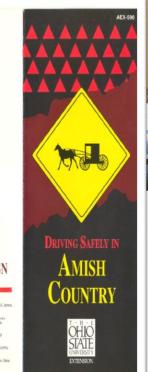
KNOW "CLOSURE TIME"

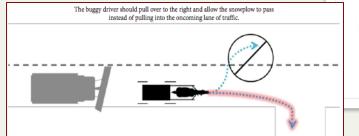
HORSES ARE NOT MACHINES

THIS SIGN MEANS CAUTION









Keeping Amish Country Safe



This Sign Means Caution: **Driving Safely in Amish Country**

This is a slow-moving vehicle sign and should be mounted on all farm machinery, including road construction equipment and animal-drawn vehicles. The sign should signal motor vehicle drivers to slow down. Vehicles displaying the slow-moving vehicle sign are prohibited by law to go faster than 25 mph.

Horses Are Not Machines

When approaching and passing a horse-drawn vehicle, remember that horses are unpredictable and even the most road-safe horse can spook at a fast-moving motor vehicle. Be sure to slow down and give buggies and horse-drawn equipment plenty of room when passing. Only pass when legal and safe.

- Rural Roads Are Not City Streets · Even the Fastest Horse Is Slow
- · Know "Closure Time"
- · Horses Are Not Machines

Driving in Amish communities is different than driving on other rural or urban highways. In Amish communitiyou will see horse-drawn buggies or equipment on the roadway as they travel to town or field.

Statistics show that more than 65 percent of all traffic deaths occur in rural areas and 50 percent of those deaths are on country roads. Ohio reports, on average, more than 140 buggy/motor vehicle crashes per year.

Rural Roads Are Not City Streets

Rural roads are often narrower or may vary more than city streets. A narrow road gives you to maneuver and can be especially dangerous wh horse-drawn vehicles. A loose gravel or grass can also be hazardous. Open ditches along rus often deep and close to the road. Seemingly op may have sharp dips or unexpected turns. In c a road shaded by trees or buildings may be the sun has not shone on that part of the re corners created by wooded areas, corn field crops are also hazardous.

Normal speeds for horse-drawn buggies r mph and 8 mph. Horse-drawn vehicles may when pulling large farm equipment or wher. sections. Horses are not tractors or cars and will eventual become tired. Another hazard to consider is restricted vision from the driver of the horse-drawn vehicle. When pulling large loads of hay or other equipment, drivers may not be able to see cars behind them. Car drivers, therefore, need to be extra cautious when passing horse-drawn farm equipment. To avoid other possible collisions, car drivers should anticipate left-hand turns made by horse-drawn vehicles into fields and driveways.

Leave some space between your vehicle and a stopped at a stop sign or light. Buggies may back u feet after coming to a complete stop. A good rule of is to stop your vehicle far enough back so that you where the rear wheels of the buggy touch the roshould give you 10-12 feet of clearance between the buggy. This rule does not apply to drivers of mini-vans; they will have to remember to STAY

Copyright @ 2008, The Ohio State University





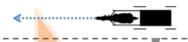
be secured in a child restraint system when being transported in a motor vehicle.*

Children from 8 to 15 years old who are not secured in a car secured in the vehicle's seat

Funded by U.S. DOT/NHTSA

Ohio's child restraint law is defined in Ohio Revised Code 4511.81 http://codes.ohio.gov/orc/4511.81

Horses may enter the spreader zone as they pass a snowplow. If the snowplow operator does not shut off the spreader, flying grayel or salt can strike the horse and cause it to charge, rear, or run off the road.





Agritourism



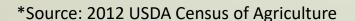
Visiting Farms & Ranches

- Agritourism operations
 - 42% increase from 2007-2012*
 - More activities add more hazards
 - Visitors unfamiliar with farms
 - More people visiting
 - Added distractions

- Friends and Relatives
 - Unfamiliar with farm
 - Distraction/peer pressure







Agritourism

Integrating Safety into Agritourism

www.SafeAgritourism.org

- Addresses visitor safety
- Mobile friendly
- Walkthroughs
- Checklists
- Resources



Hay Rides – Common Hazards

Wagons

- Use of flatbeds or traditional hay wagons
- No steps
- No seats and/or sides

Tractor, Vehicle or Horses

- Insufficient power
- Lack of ROPS
- Extra riders
- Inexperienced or impaired operator



Play Areas – Common Hazards

- Ground cover
- Corn boxes
 - Multiple issues
 - Sandbox recommended
- Equipment
 - Home
 - Homemade
 - Lack of maintenance
 - Too close



Animal Activities - Common Hazards

- Types of animals
 - Good temperament
 - Don't bite/right size
- Right equipment
 - Helmets
 - Riding boots
- Signs
 - Traffic flow
 - What not to take in
 - Rules
 - Wash hands at exit





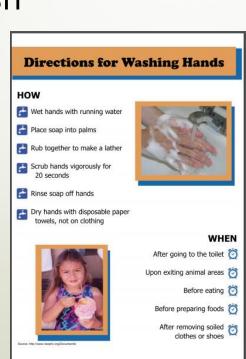
Other Topics

- Attractive nuisances
- Corn maze
- Farm markets/retail sales
- Food safety
- Inflatable rides
- Machine safety
- Water safety
- Emergency planning
- And more...



Resources

- Checklists
- Signs
 - English/Spanish
- Posters
- Templates
- Logs & more







Interactive Activity

- Work together in groups
- Incident scenario
- Asked to develop an intervention
- Use information/resources
 - From earlier sessions
 - Provided in the workbook and handouts
 - Internet/websites
- Fill in as many sections of logic model as time permits

Questions?



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