

FARM SAFETY ACTIVITY BOOK



Created by **Hannah Conlin, OTS, Drake University**



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The Nebraska AgrAbility Project is a national program funded by USDA-NIFA that assists farmers, ranchers, & other agricultural workers with disabilities by providing resources and support they need to continue or return to working in production agriculture. Nebraska AgrAbility is a joint effort of the University of Nebraska-Lincoln Extension & Easterseals Nebraska. This material is based upon the work supported by the Extension Service, U.S. Department of Agriculture, under special project number #2022-41590-38127 with additional support from the Central States Center for Agricultural Safety and Health - NIOSH AFF Grant U54OH010162

Does AgrAbility...

Select YES if you think it is something AgrAbility does.

Select NO if you think it is something AgrAbility does NOT do.

Help farmers, ranchers, and others who work in agriculture after they get hurt or sick to get back to work?

Yes	No
-----	----

Work with farmers/ranchers AND their families to get resources to make work safer and easier?

Yes	No
-----	----

Go to farms and ranches to show farmers and ranchers what equipment can help them do their work safely?

Yes	No
-----	----

Ask for money to meet with farmers and ranchers or when they look over their farm or ranch for safety issues?

Yes	No
-----	----

Go to schools to teach students about farming and ranching and how kids can stay safe?

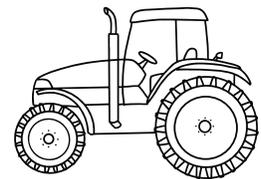
Yes	No
-----	----

Teach people of all ages and backgrounds how to be safe on the farm or ranch?

Yes	No
-----	----

AROUND THE FARM WORD SEARCH

I W H C G I J K V Q V R C E S M F Y
M H X P R C U Y V S M Z U J V Q L X
V E T F A S W V Z V E C C Q W R I R
V A U H I A L R H R Y U H K W B V M
E T R H N U C X A C Z Z I N Z A E E
C K K Q B G O F R O Q D C I U R S J
A J E Q D E M K V R J X K W E N T P
T P Y S B R B Z E N S S E E T Q O I
T V K D P N I Z S Z B A N X G I C G
L J L B X C N C T T R A C T O R K S
E N S O Y B E A N S Q F S N L H H T
T J E J N D F Y I H K B I N J J P M



Find the following words:

- | | |
|--------|-----------|
| AUGER | TRACTOR |
| BARN | TURKEY |
| CORN | COMBINE |
| PIGS | HARVEST |
| GRAIN | LIVESTOCK |
| CATTLE | CHICKEN |
| WHEAT | SOYBEANS |

Emergency Plan

When an emergency happens on the farm, it can be scary. It is important to know what to do when an emergency happens. With the help of an adult, fill out this form and keep it somewhere that is easy to find in case of an emergency.



In case of an emergency, dial 911!

Poison Control: 1-800-222-1222

Emergency Contacts

Name: _____ Phone Number: _____

Our Farm's Address:

Additional Notes:

Fire Safety

On the farm, fires can happen and it is important to know what to do. **Fill in the blanks for the steps to using a fire extinguisher.**

1. P _____ the pin.

2. A _____ at the base of the fire.

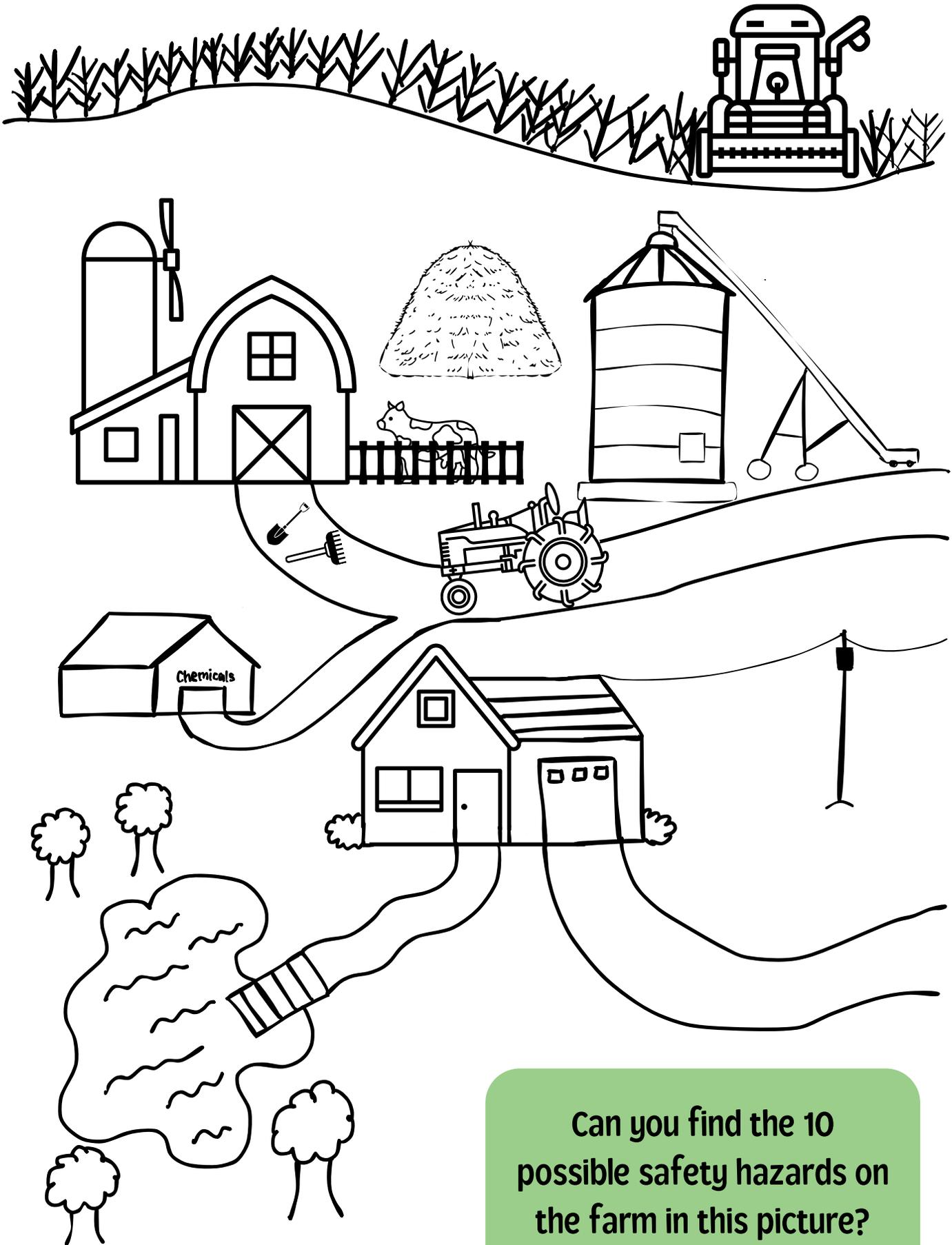
3. S _____ the handle.

4. S _____ from side to side.



Fire extinguishers should be kept in many places on the farm in case a fire starts. A fire extinguisher should be kept in workshops, barns, farm vehicles, combines, balers, tractors, and silos. **With the help of an adult, can you make a list below of where fire extinguishers are located on your farm and in your home?**

! Remember, fire extinguishers should only be used to put out a fire and should not be played with.



Can you find the 10 possible safety hazards on the farm in this picture?

Chemical Hazards

On the farm and in your house, there may be chemicals or other hazardous materials. Each of these will be identified by a hazard sign. **Can you match the hazard sign to the correct word?**

Biohazard
Comes from living things that could make you sick

Flammable
Something that can catch on fire

Explosive
Something that can blow up when it gets hit or lit by fire

Corrosive
Something that will wear away the surface of metal

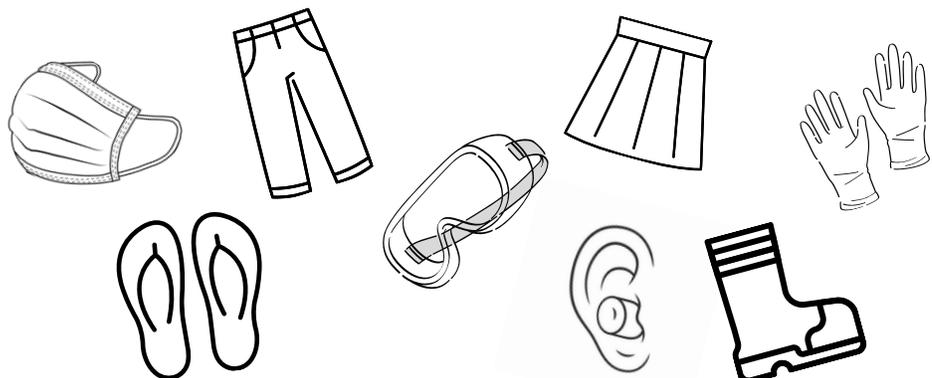
Poison
Something that can kill or make you sick if you swallow or touch it

Gas
Gas is stored in this and can blow up if it gets hot



Outdoor Safety

It is important to wear the right clothes and protective gear to make sure you stay safe when working around the farm. **Can you color the items that you should wear on the farm to stay safe?**



Tips for staying safe when working outside:



Drink plenty of water to stay hydrated



Wear sunscreen outside to prevent sunburns



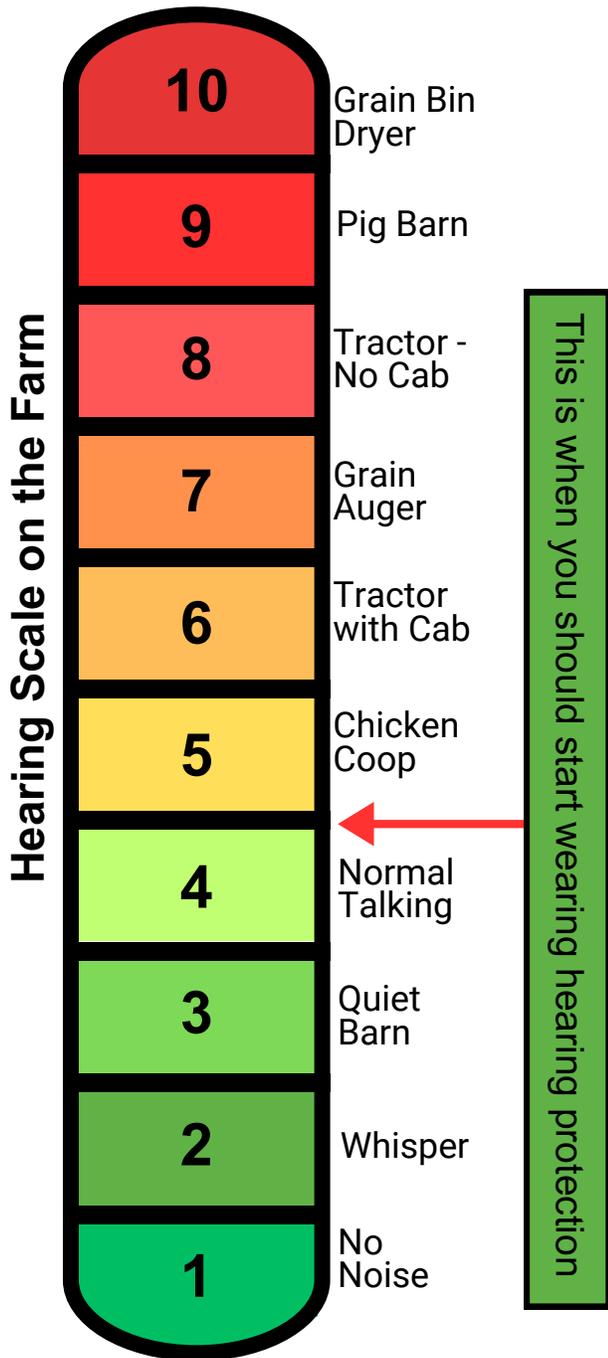
Watch for changing weather conditions



Wear lightweight & light colored clothes in hot weather

Wear layers of warm clothes in cold weather

Hearing Hazards



What steps can you take to protect your ears?

- Lower the volume
- If you cannot lower the volume, move away from the noise
- If you cannot lower the volume or move away, you should wear hearing protection

Hearing loss can happen over time and it is permanent! It is better to be safe than sorry - wear ear protection around loud noises.

Unscramble the letters to find out different types of hearing protection.

EHAPDHNOES
H _ _ _ _ _

RAE LPUSG
E _ _ P _ _ _ _

ARE FFUSM
E _ _ M _ _ _ _

Electrical Safety

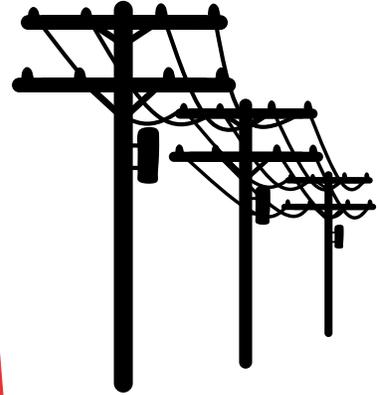
Electricity helps keep our farms running. It is important to know how to stay safe around electrical lines. Write the answer to each question below.

Yes or No: It is safe to mix water and electricity together. |

Yes or No: You should call 911 when your vehicle hits a power line. |

Yes or No: Fire is the only reason to get out of a vehicle that has hit a power line. |

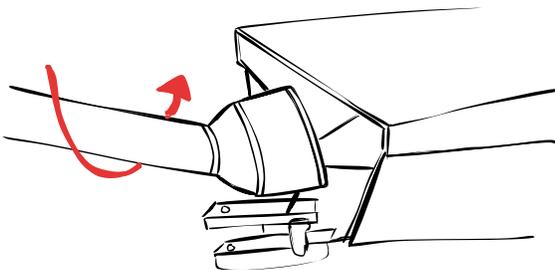
Yes or No: You should shuffle your feet or jump with both feet together to get away from a vehicle that has hit a power line. |



When you're on the farm, remember to **look up** and **look out** for power lines to avoid running equipment into electrical lines.

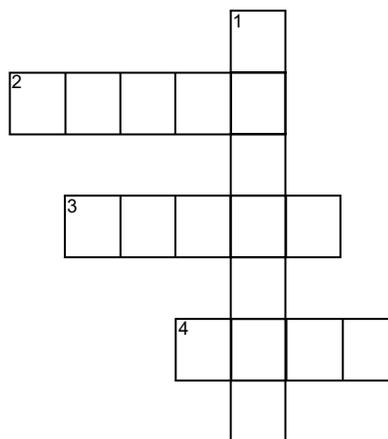
PTO Safety

A Power Take-Off (PTO) shaft is the spinning part that runs between the tractor and another piece of equipment, like an auger or baler. A PTO brings power to the other piece of equipment.



- Never climb over or touch a PTO, even if it has a shield
- Never wear jewelry or loose clothing and be sure to tie back long hair to prevent getting caught in the PTO

Complete the crossword puzzle for PTO safety tips.



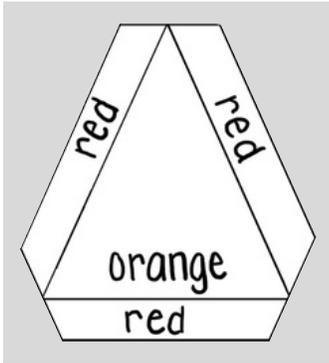
Down

1. You should not wear _____ or loose clothing to prevent getting caught in the PTO.

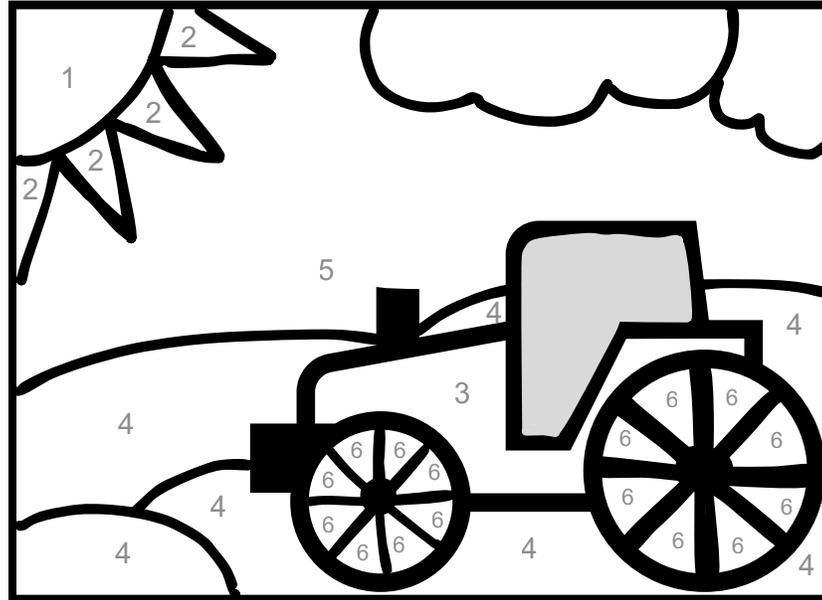
Across

2. True or False: You should leave long hair untied when around a PTO.
3. PTO stands for _____ Take-Off
4. True or False: You should NEVER step over a PTO while it is running, even if it is shielded.

Tractor Safety



Equipment that travels under 30 mph requires a visible slow-moving vehicle sign when using the road. Color in the sign above.



Color the picture using the key:

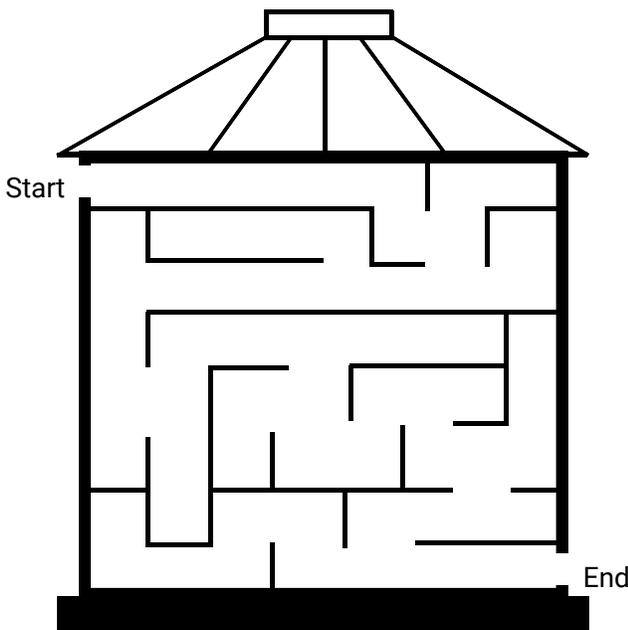
- 1 - Yellow
- 2 - Orange
- 3 - Blue
- 4 - Green
- 5 - Blue
- 6 - Black



Remember:

- Tractors are not designed to carry passengers - one seat, one rider
- Do not sit on the wheel covers of a tractor
- Always make sure the tractor driver can see you
- Stay away from hydraulic hoses on the tractor and spinning parts

Grain Bin Safety



- Lots of stored grain places, like grain bins, wagons, or silos might look fun to play in, but they can be very dangerous. When there is a lot of grain in one place, it can move like water.
- When someone gets trapped in grain, it acts like quicksand it can quickly become hard to escape the grain pile on your own.

Cell phones don't always work in a steel bin, so it's important to not rely only on a phone if something happens.



AND REMEMBER...

STAY OUT OF GRAIN BINS!

ATV & UTV Safety

When you are riding on an ATV or UTV, it is important to wear proper gear which includes a helmet, safety goggles, long sleeve shirt, pants, boots, and gloves to prevent injuries. Follow the key to color the ATV and UTV safety gear.

KEY

BLUE	BROWN	GREEN	PURPLE	ORANGE	RED
					

Dos & Don'ts of Safe ATV & UTV riding

- DO ride an ATV that is right for your age and size
- DON'T carry a passenger on a single-rider ATV
- DO ride on designated trails
- DON'T ride after dark
- DO drive at a safe speed
- DO wear a seatbelt in a UTV

It is important to not ride on paved roads because another vehicle could hit you, and ATVs are not made to be driven on highways or hard-surface roads.

Skid Steer & Mower Safety

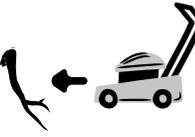
To be safe around skidsteers and lawn mowers:

- You should be able to reach the controls on a mower and skid steer while wearing a seatbelt
- NEVER ride on a mower with a passenger
- NEVER approach a skid steer while it is in use

Is it safe or not? Look at the pictures below of skid steer and mower safety. Answer in the box below if you think is safe or not.



Is it safe to mow with a passenger on the mower?



Is it safe to mow over items on the ground in front of the mower?



Is it safe to use a push mower if you are under 12 years old?



Is it safe to NOT use a seatbelt when driving a skid steer or mower?



Is it safe to walk behind a skid steer when it is being used?



Is it safe to use a ride-on mower if you are 16 years or older?

Livestock Safety

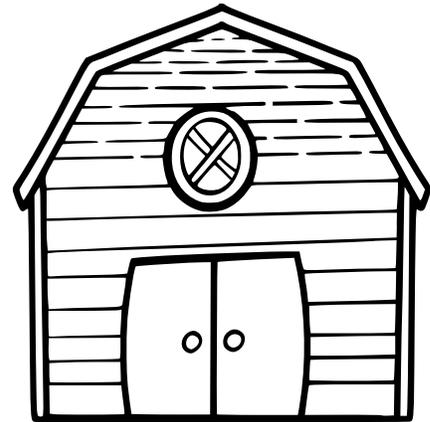
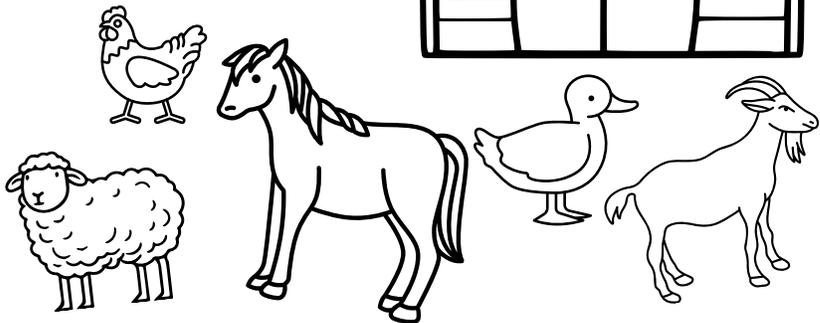
Animals can be unpredictable, especially when they get scared.

It is important to know when an animal is scared or in pain to protect yourself and the animal.

Most animals on the farm have blind spots, which means when you are standing in that area, the animal cannot see you.

Take some time to color the pictures on this page.

 **When working with animals, remember to BE CALM, MOVE SLOWLY, AND AVOID LOUD NOISES.**

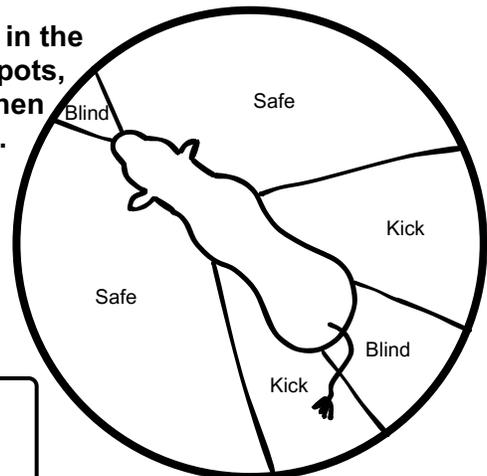


Working with Cows

Cows can get very big and can move quickly. It is important to be quiet and move slowly so you don't scare the cow.

Cows and other big animals kick when they get scared, so it is important to not stand behind them. Cows have good memories and can learn quickly.

Use the key to color in the kick zones, blind spots, and safe areas when handling cows.



KEY

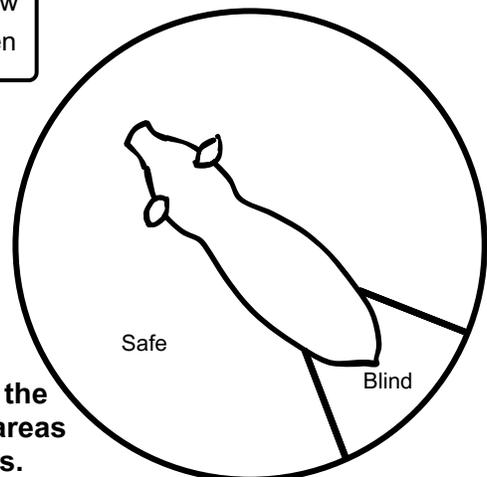
- Kick Zone = Red
- Blind spots = Yellow
- Safe Areas = Green

Working with Pigs

Pigs do not get as big as cows, but they can still be unpredictable. Pigs can get scared easily.

Pigs cannot see right behind them, have sensitive hearing, and like to be with other pigs when being moved.

Use the key to color the blind spots and safe areas when handling pigs.



Propane Tank Safety

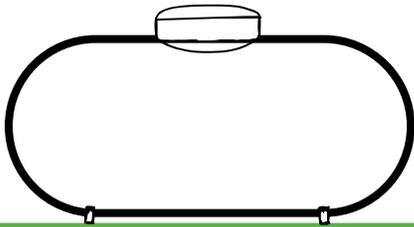
What do you know about propane?

1. Propane runs many things, circle which of the following items may use propane in your house.

Stove Television
Dishwasher Outdoor Grill

2. Propane can also help run things around the farm. Can you circle what might use propane on the farm?

Livestock Heating Grain Dryers
Farm Equipment



3. Can you correctly number the steps below that you should take if you think there is a propane leak?

- ___ If the adult knows how, they should turn off the valve on the propane tank
- ___ Before calling 911, leave the area in case a fire occurs
- ___ Tell an adult you think there is a propane leak

4. Which of the following are true about propane?

- ___ Propane is VERY flammable.
- ___ It is NOT safe to play on or around propane tanks.
- ___ Propane smells sweet, like cotton candy.

For more information about how Nebraska AgrAbility can help you or your loved ones, please contact us!



Nebraska
AgrAbility
Cultivating Accessible Agriculture

800-471-6425 | agrability.unl.edu



Activity Answers

Page 1 - What is AgrAbility?

Help farmers, ranchers, and others who work in agriculture after they get hurt or sick to get back to work?	Yes	No
Work with farmers/ranchers AND their families to get resources to make work safer and easier?	Yes	No
Go to farms and ranches to show farmers and ranchers what equipment can help them do their work safely?	Yes	No
Teach people of all ages and backgrounds how to be safe on the farm or ranch?	Yes	No
Ask for money to meet with farmers and ranchers or when they look over their farm or ranch for safety issues?	Yes	No
Go to schools to teach students about farming and ranching and how kids can stay safe?	Yes	No

Page 1 - Word Search

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I W H C G I J K V Q V R C E S M F Y
M H X P R C U Y V S M Z U J V Q L X
V E T F A S W V Z V E C C Q W R I R
V A U H I A L R H R Y U H K W B V M
E T R H N U C X A C Z Z I N Z A E E
C K K Q B G O F R O Q Q D C I U R S J
A J E Q D E M K V R J X K W E N T P
T P Y S B R B Z E N S S E E T Q O I
L V K D P N I Z S Z B A N X G I C G
L J L B X C N C T T R A C T O R K S
E N S O Y B E A N S Q F S N L H H T
T J E J N D F Y I H K B I N J J P M
    
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Page 2 - Fire Safety

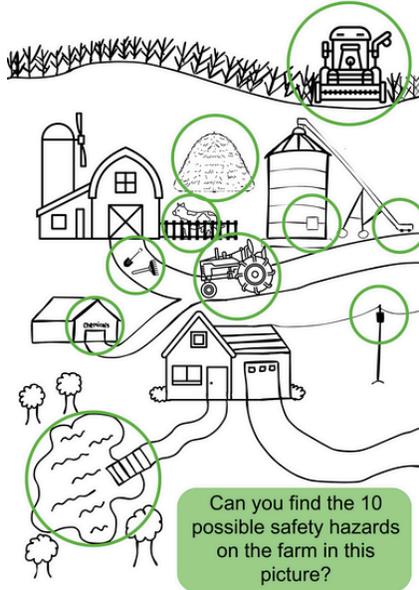
1. PULL the pin.
2. A IM at the base of the fire.
3. SQEEZE the handle.
4. S WEEP from side to side.



Page 4 - Outdoors Safety



Page 3 - Spot the Hazards



Can you find the 10 possible safety hazards on the farm in this picture?

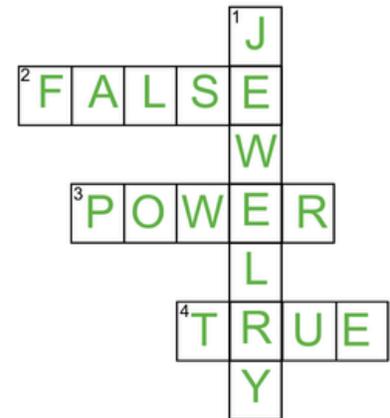
Page 4 - Chemical Hazards

Biohazard Comes from living things that could make you sick	
Flammable Something that can catch on fire	
Poison Something that can kill or make you sick if you swallow or touch it	
Explosive Something that can blow up when it gets hit or lit by fire	
Corrosive Something that will wear away the surface of metal	
Gas Gas is stored in this and can blow up if it gets hot	

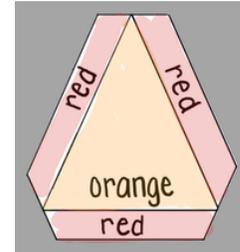
Page 6 - Electrical Safety

Yes or No: It is safe to mix water and electricity together.	NO
Yes or No: You should call 911 when your vehicle hits a power line.	YES
Yes or No: Fire is the only reason to get out of a vehicle that has hit a power line.	YES
Yes or No: You should shuffle your feet or jump with both feet together to get away from a vehicle that has hit a power line.	YES

Page 6 - PTO Safety

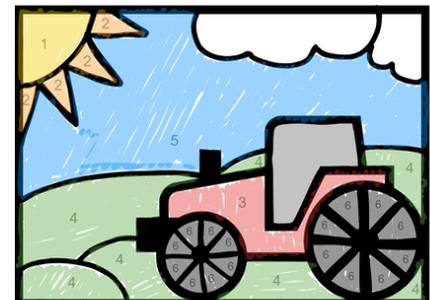


Page 7 - Tractor Safety



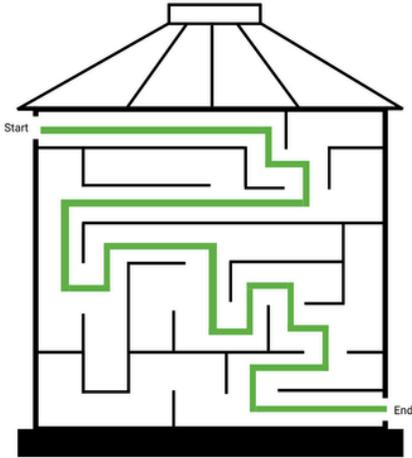
Page 5 - Hearing Safety

Unscramble the letters to find out different types of hearing protection	E H A P D H N O E S HEADPHONES
RAE LPUSG EAR PLUGS	ARE FFUSM EAR MUFFS

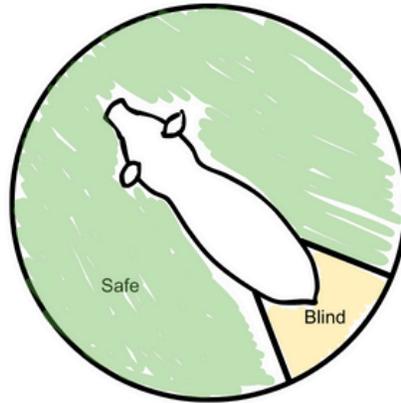
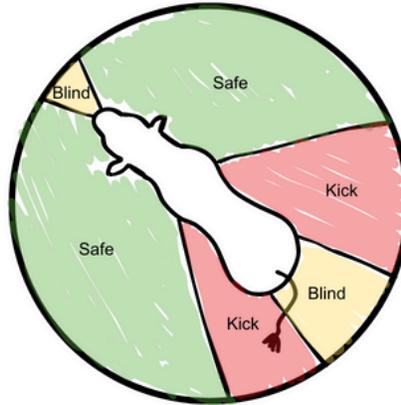


Activity Answers

Page 7 - Grain Bin Safety

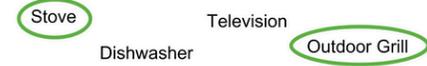


Page 9 - Livestock Safety



Page 10 - Propane Safety

1. Propane runs many things, circle which of the following items use propane in your house.



2. Propane can also help run things around the farm. Can you circle what might use propane on the farm?



3. Can you correctly number the steps below that you should take if you think there is a propane leak?

- 2 If the adult knows how, they should turn off the valve on the propane tank
- 3 Leave the area in case a fire occurs, before calling 911
- 1 Tell an adult you think there is a propane leak

4. Which of the following are true about propane?

- T Propane is VERY flammable.
- T It is NOT safe to play on or around propane tanks.
- F Propane smells sweet, like cotton candy.

Page 8 - ATV & UTV Safety



Page 8 - Skid Steer & Mower Safety



Resources & References:

Central States Center for Agricultural Safety & Health. (2023). Retrieved from <https://www.unmc.edu/publichealth/cscash/>

Farm Credit Services of America. (2023). Retrieved from <https://www.fcsamerica.com/>

Iowa State Extension. (2023). Retrieved from <https://www.extension.iastate.edu/>

National AgrAbility Project. (2023). Retrieved from <http://www.agrability.org/>

Nebraska Extension. (2023). Retrieved from <https://extension.unl.edu/>

USE THIS SPACE TO DRAW YOURSELF BEING
SAFE ON THE FARM!