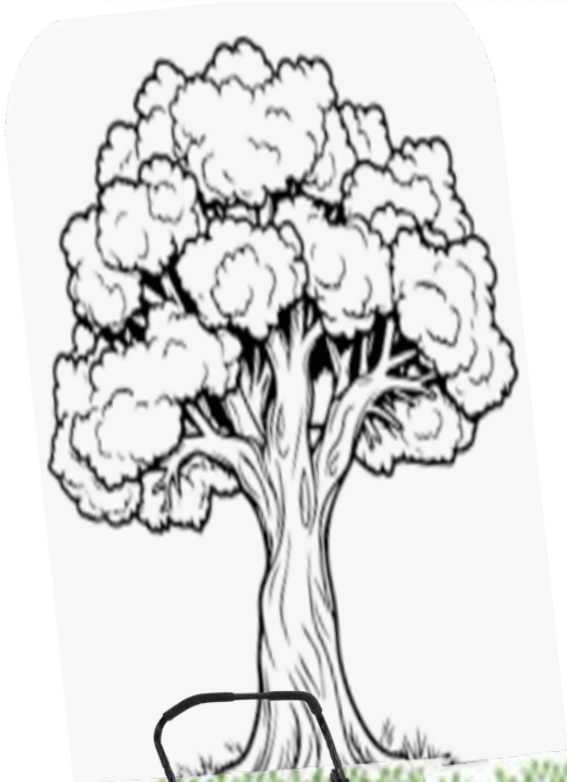


MAKE Lawn Mowing

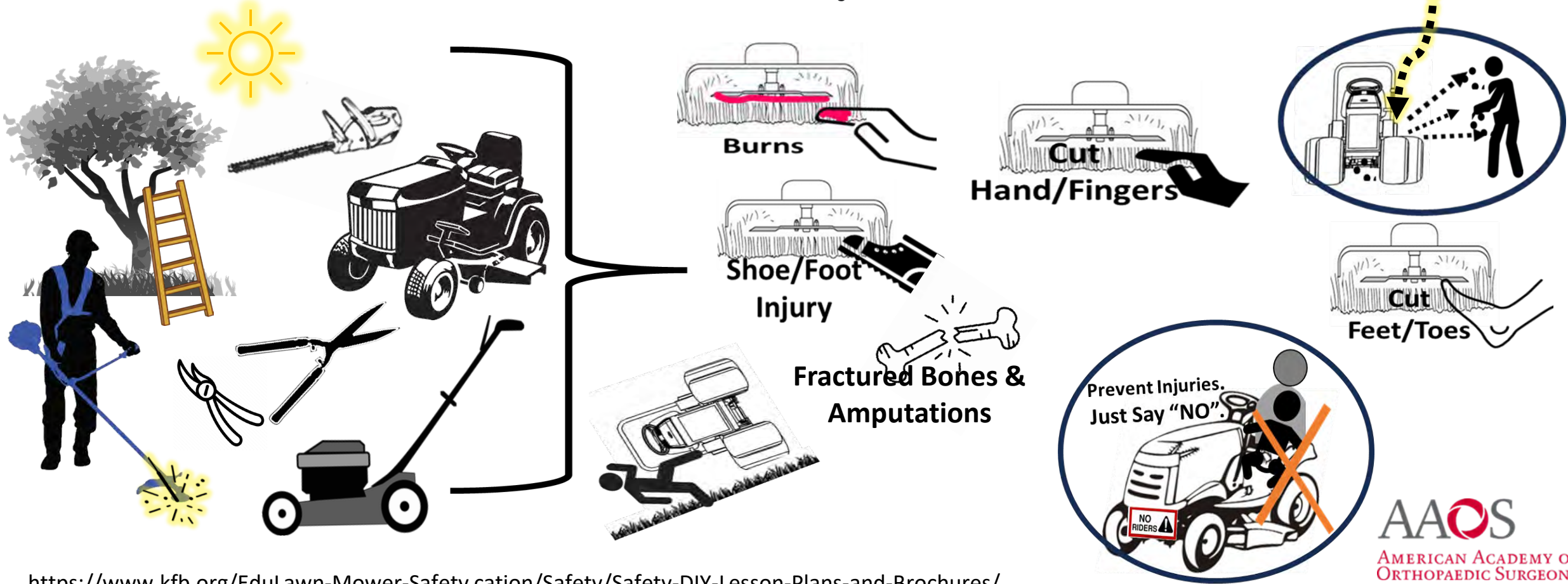
A  **SAFETY
FIRST!**

Priority!



Lawn Mowers Maybe The Most Dangerous Tool Regularly Used Around The Home.

The American Academy of Orthopedic Surgeons highlights these as the most common lawn mower-related injuries to watch for:

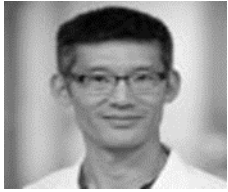


[https://www.kfb.org/EduLawn-Mower-Safety cation/Safety/Safety-DIY-Lesson-Plans-and-Brochures/](https://www.kfb.org/EduLawn-Mower-Safety%20cation/Safety/Safety-DIY-Lesson-Plans-and-Brochures/)

<https://www.aaos.org/aaos-home/newsroom/press-releases/lawnmower-injuries-remain-prevalent-for-children-despite-increased-awareness/>

AAOS
AMERICAN ACADEMY OF
ORTHOPAEDIC SURGEONS

Lawn Mower Injuries & Deaths Can Be Prevented?



Dr. Junichi Tamai MD, is a pediatric orthopedic surgeon, at Cincinnati Children's Hospital. He shares in his Blog---([A Surgeon's PSA for Lawn Mower Safety](#)), that the horrible lawn mower injuries he has treated are preventable & lawn mowers must be treated with extreme caution.

Did You Know?



It's estimated, that Yearly in the US, **77 people die & 87,600 injured children/adults** receive medical care in an emergency room.



Dr. Tamai's Tips to Prevent Injuries.

Before mowing:

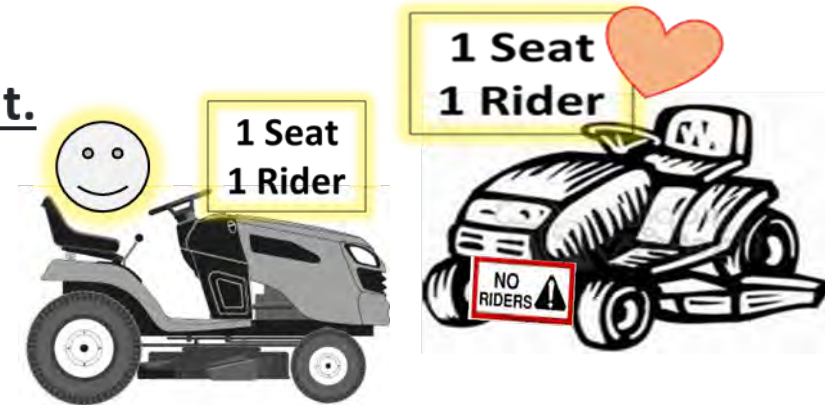
- Pick up items from the lawn that could become a flying object.

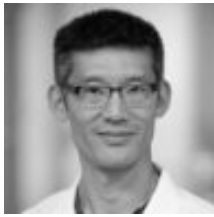


- Children under 15 should be indoors when someone is mowing.



- Do not allow extra riders on equipment.





Lawn Mower Injuries & Deaths Can Be Prevented?

Mowers create hot fumes & spin 2,000-4,000 times per minute making objects into deadly flying projectiles.

You Never Know Who Is Behind Your Mower.

Dr. Tamai's Tips Continued:

While Mowing:

Do Not Pull Back



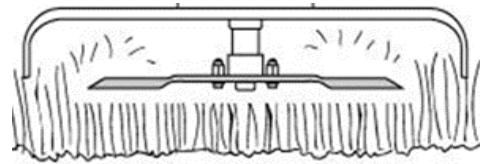
- Do not reverse a riding mower.

- Do not pull a walk behind mower backwards.

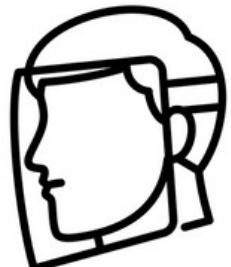
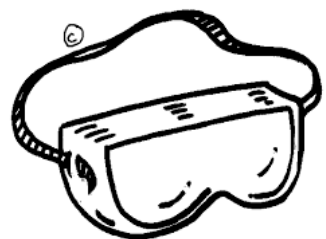


Save Your Feet & Shoes

- Turn off the mower & wait until the blade stops spinning & is cool, before unclogging the discharge chute.



- Wear hard-soled shoes, hearing & eye protection.



Suggestions for Lawnmower Safety - Penn State ...

Why?

Lawn Mowers Cause Injuries & Fatalities.

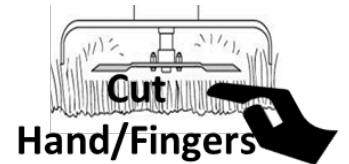
A lawn mower (push & riding) can spin the sharp blade faster than 200 miles per hour. That blade can fling a rock, toy, at least 50 feet or more.



The blade turns **50-60** revolutions in **1 second!**

Did you know that the blade can cause injuries without the machine running?

- ❖ The hot engine, gas tank or exhaust of a lawn mower can cause burns.
- ❖ Changing the blade or cleaning out the clogged chut of a lawn mower can cause cuts, lost fingers or toes.



Hand/Fingers

Disconnect the spark plug wire to prevent the mower from accidentally starting before you complete any type of maintenance on the mower.

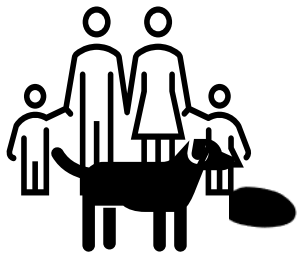


Shoe/Foot Injury

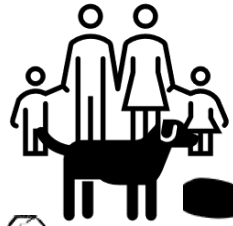
- ❖ The most dangerous is using a riding mower over uneven land causing the mower flipping over a ridge, trapping the person underneath.



Illustration How Fast & Far A Push Or Riding Mower Can Throw an Object Out the Discharge Chute?



Will hit any pet or person in the way!



50 Feet @ 200 Miles Per Hour

Rock, Wire, Toys, or Sticks.



Rock, Wire, Toys, or Sticks.



A Phillies Baseball Pitcher can pitch a ball 95--100 mph.



MAKE  SAFETY FIRST!

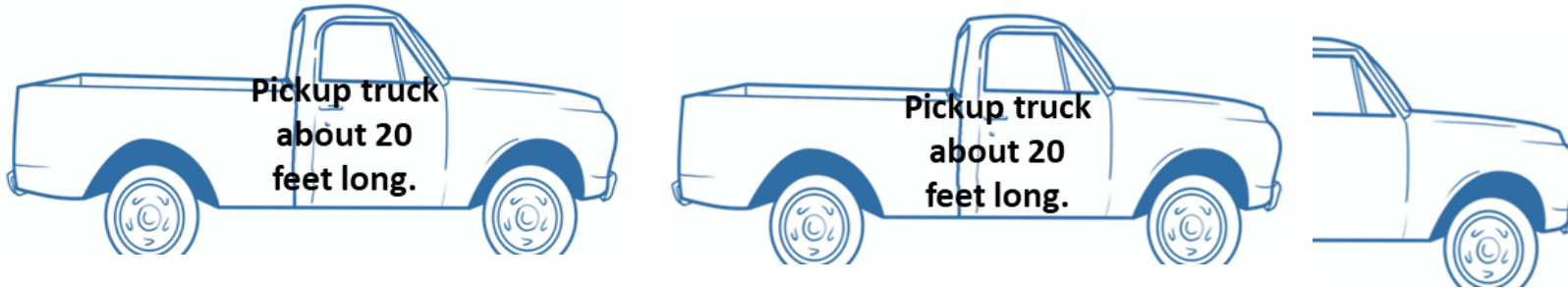
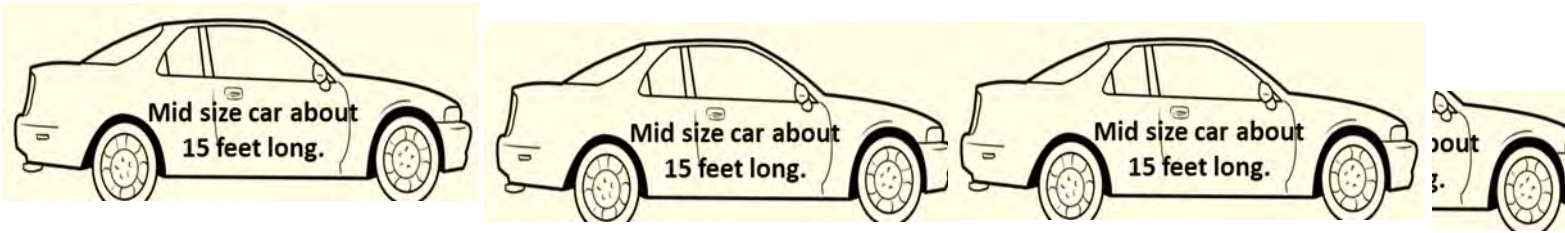
How Far Is 50 Feet?

Imagine How Far 50 Feet Is By:

- Imagining How Many Cars, Pickup, or Milk Truck = 50 Feet.




50 Feet




Medium Size Car	Little over 3 cars = 50'
Pickup Truck	Little Over 2 Pickup Trucks = 50'
Milk Truck	1 Milk Truck = 50'

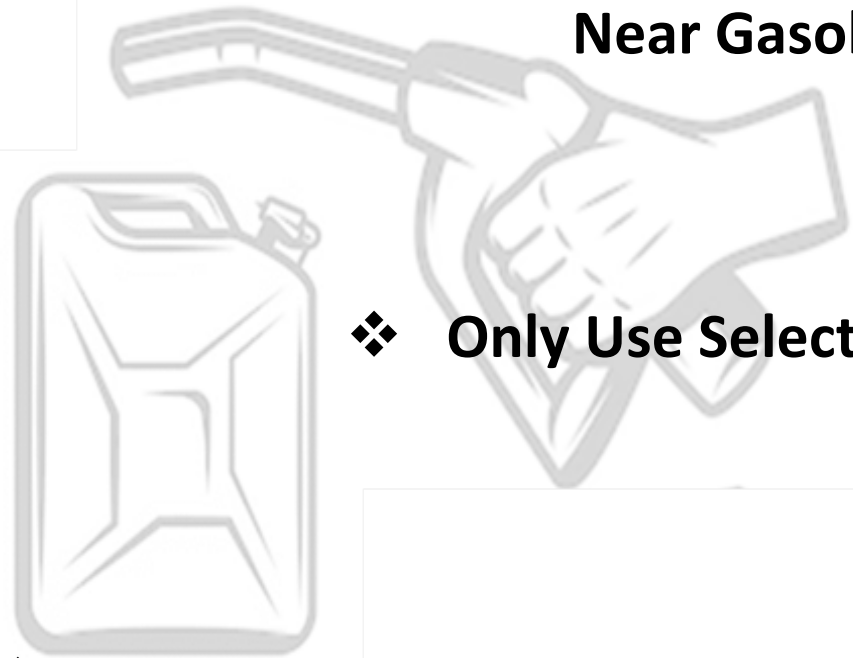
Learn How To Stay Safe Around Gasoline!

❖ Gas Fumes Cannot Be Seen With Your Eyes. 



❖ Gas Fumes Can Explode  & Cause A Fire.

❖ That One Should Never Cause a Spark Or Light a Match Near Gasoline or Liquid Flues.

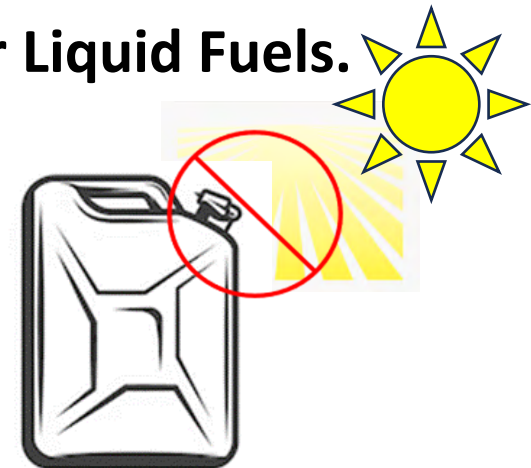


MAKE  SAFETY FIRST!

❖ Only Use Selected Containers To Store Gasoline Or Other Liquid Fuels.



❖ Never Store In a Glass Containers Or In Direct Sunlight.



Store Flammable Liquids in a Separate Well-Ventilated Building.

Never Store Gas In The House.



If Possible, Not In Attached Garage.



Did You Know-

That 1 Cup Of Gasoline Has The Power Of About 5 lbs. of dynamite?



It's NEVER SAFE To Fill a HOT LAWN MOWER WITH GAS.



Store Gasoline Out of Reach of Children. One Swallow Of Gas Can Hurt A Child.



Other Yard Work Safety Tips to Keep You Out of the ER

Weed whackers have a spinning blade/string that quickly cuts through grass & weeds. Weed whackers can easily cut through skin & send small objects that cause eye injury/blindness

Yard work tools are sharp & cause cuts & lacerations.



The blades can spin at speeds of up to 10,000 rpm, making them extremely sharp & dangerous.

Leaf Blowers & String Trimmers Are "Dangerous".



They can send rocks, sticks, or toys 50 feet through the air.



Falls from ladders cause back injuries as well as fractures of legs, hip, or ankles.

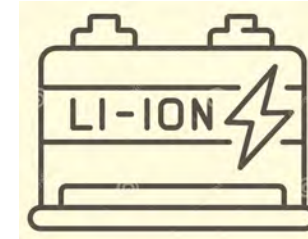
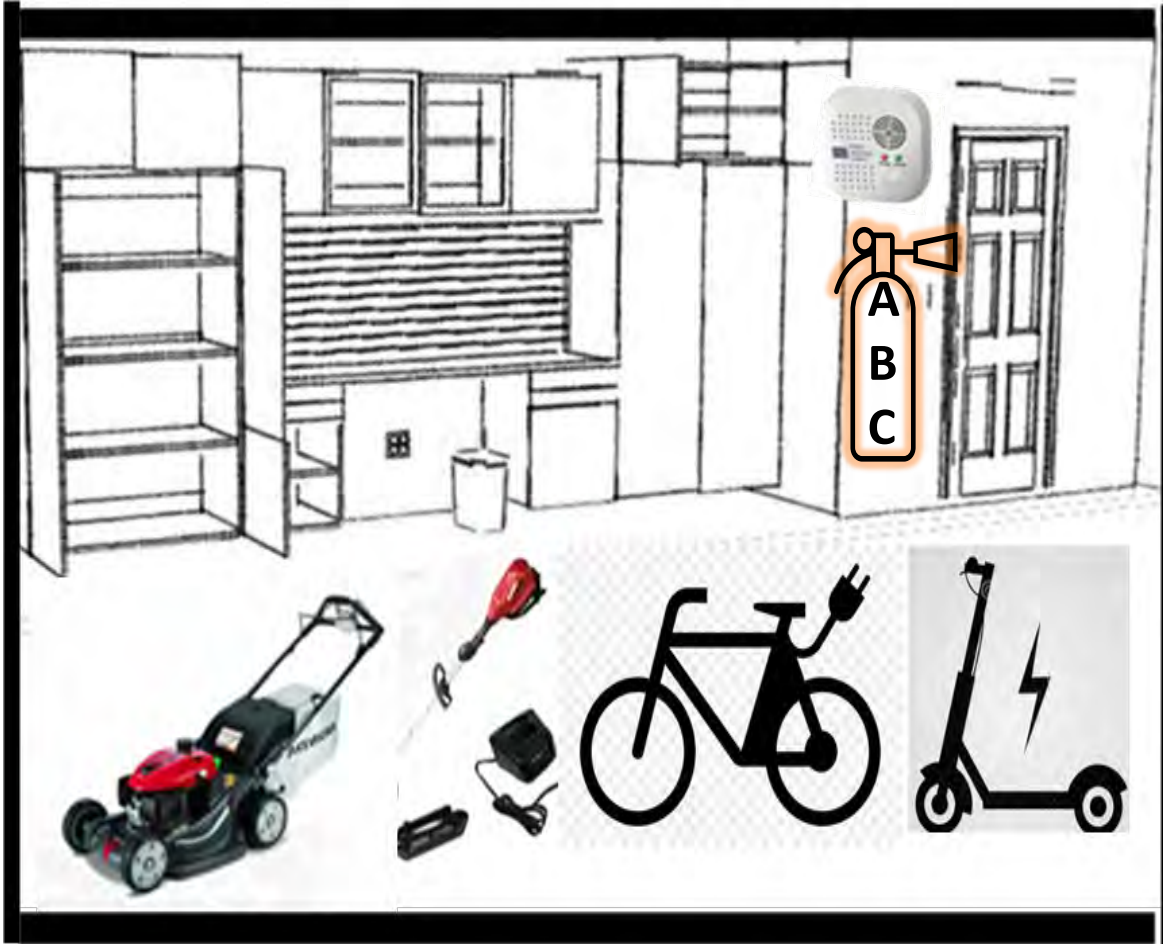


Lithium-ion Batteries Can Cause Fires.



All lithium-ion batteries use flammable materials which can cause a fire & explosion because of thermal runaway.

Thermal runaway is an occurrence where the lithium-ion cell enters an uncontrollable, self-heating state. That's why it is impotent to store batteries in a cool dry place & never leave charging batteries unattended.

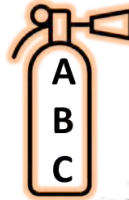


10 tips to prevent lithium batteries from causing damage to your home include:

1. Never charge non-rechargeable batteries.
2. Keep batteries away from high temperatures.
3. Never keep batteries on a charger once the charging cycle is completed.
4. Only charge batteries when you there of monitor the process.
5. Only use the charger that came with the battery or is listed by the manufacturer as compatible.
6. If possible, try to charge a battery in a fire-safe charging bag.
7. Store mowers, bikes & etc. safely by removing the lithium-ion if possible.
8. Inspect batteries before installing & after charging—do not recharge damaged batteries.
9. If you sense excessive heat in a charging device, remove battery & place device from anything that could burn. Then discard safely & replace.
10. Only buy batteries that are from reputable manufactures.

Carbon monoxide (CO) is a colorless, odorless, tasteless & deadly gas.

1. Symptoms of CO poisoning include headache, nausea, weakness, dizziness & unconsciousness.
2. Install a carbon monoxide detector in garage, house, & other buildings.
3. Avoid CO poisoning, operate all equipment outdoors.
4. If you must work indoors, make sure there is adequate ventilation to prevent exposure to CO.



Carbon Monoxide is a "Danger"

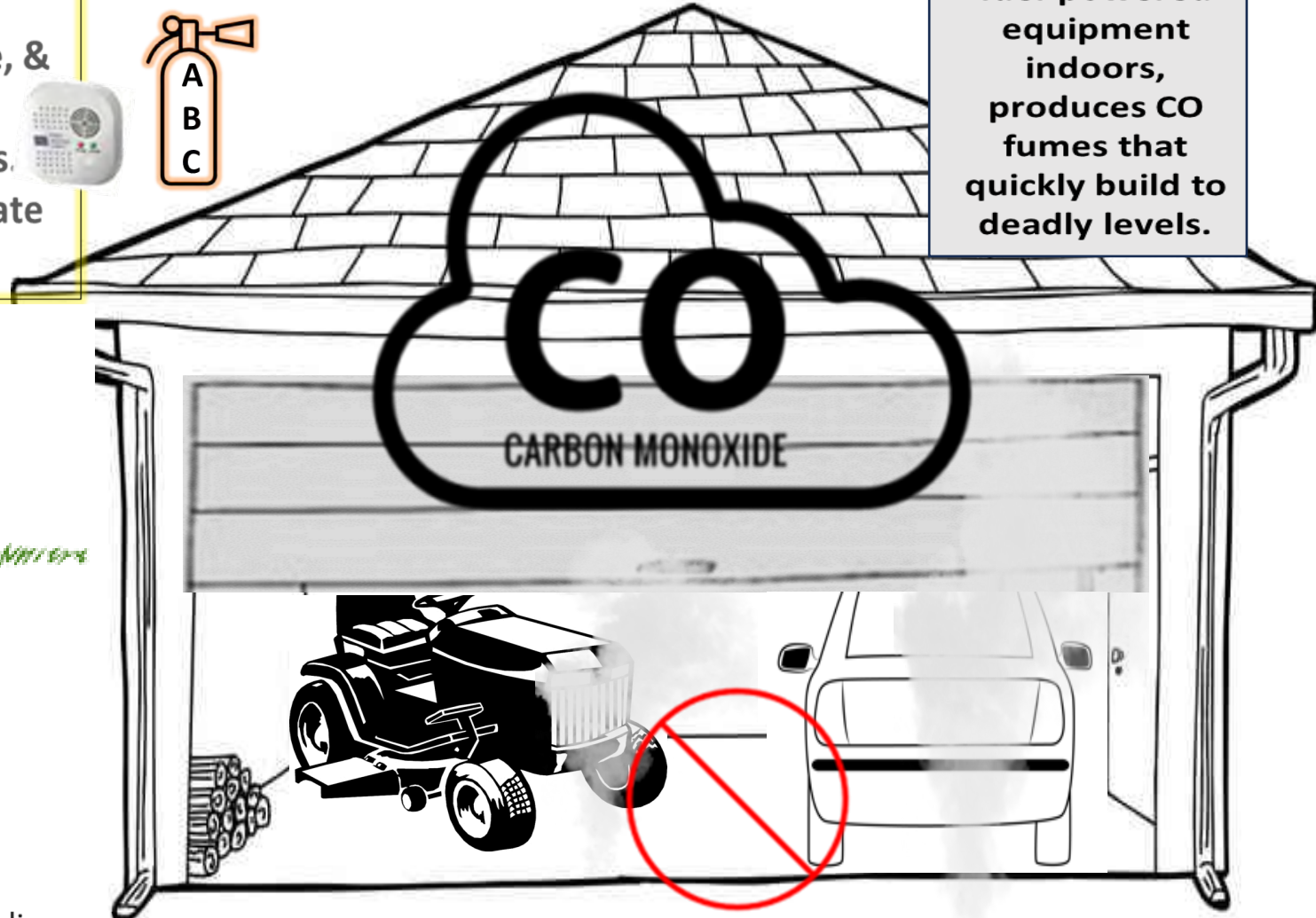
★
Operating fuel-powered equipment indoors, produces CO fumes that quickly build to deadly levels.



MAKE  **SAFETY FIRST!**

[NASD - Mowing and Trimming Safety \(nasdonline.org\)](http://nasdonline.org)

[How To Help Avoid Carbon Monoxide Poisoning | GEICO Living](#)



[Sources of Carbon Monoxide in the Home - Bacharach, Inc. | Global Leaders in HVAC-R Instrumentation \(mybacharach.com\)](#)

What is Heat Stress?

Heat stress happens when the body cannot get rid of excess heat.

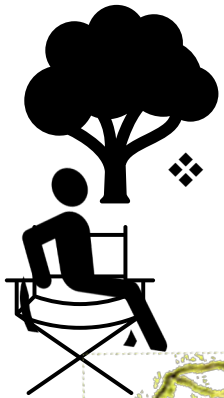
When this happens, the body's temperature rises & the heart rate increases.

As the body continues to store heat, the person begins to show symptoms of heat exhaustion.



Prevent Heat Exhaustion When Working

Outdoors By:



❖ Drinking water frequently at least 1 quart/hour.



❖ Taking frequent rest breaks in a cool area.

❖ Wearing light colored clothing.



❖ If possible, do the work @ coolest part of day 6 am to 10 am.

❖ Being aware of feeling hot, sweaty, dizzy, or fatigue so you can take preventive action.



Heat Exhaustion

Look For:



- Dizziness
- Lightheaded
- Headache



▪ Feeling Weak/Tired



▪ Sweating

▪ Chills/Goose Bumps

▪ Nausea



Water/Cool/Rest!

Prevent Heat-Related Illnesses Continued.



If A Person Has Heat Exhaustion Symptoms:



• Move them into a cooler area.



• Fan to increase cooling.



• Provide fluids.

• Put cool wet compresses on head, under arms & legs.



• Call 9-1-1 if symptoms continue to Heat Stroke.



Heat Stroke

Look For:

▪ Fever 103-105

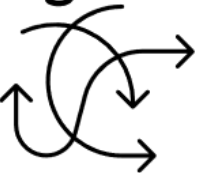
▪ Pulse Fast



▪ Rapid Breathing



▪ Confusion



▪ Loss of consciousness



Seek Medical Help!

Stop Heat Stroke: Prevent a Death.



CALL 9-1-1



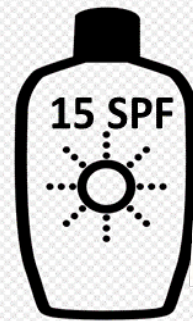
Prolonged exposure to sunlight causes skin cancer, cataracts and other serious illnesses:

Prevent Sunburn & skin or eye damage that can lead to skin cancer or cataracts.

- Use Sun Lotion
- Wear UV Hat or a large brim hat
- Wear Long sleeves & long pants – Never shorts
- Wear sun goggles/glasses



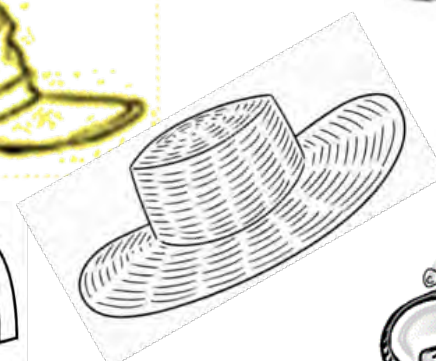
•Choose a sunscreen that is both UVA and UVB rays protective & an (SPF) of least 15



•Note: the UV rays are highest from 10 Am - 4 Pm.



Brim does not protect ears or neck.

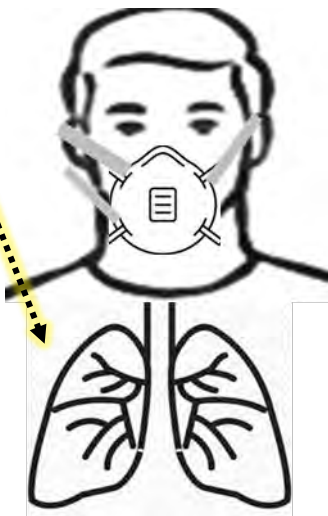


•Wear a large brim hat, UV protective safety glasses or goggles.

•Wear long-sleeve shirt & long pants to lower body temperature & block the UV sunrays.

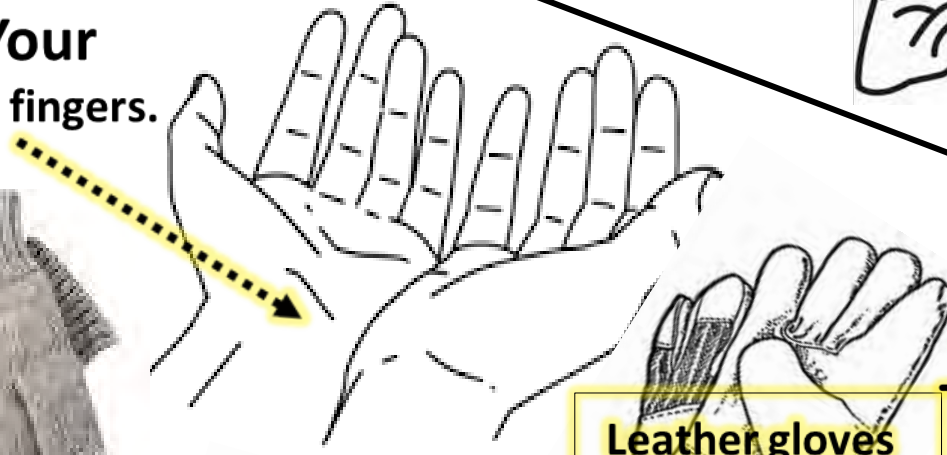
Farmer's lung is a disease caused by an allergy to mold in certain crops.

Protect Your Lungs



Dust masks decrease the amount of dust from hay, corn, grass pollen or mold in grain that a person inhales into their lungs.

Protect Your Hands & 10 fingers.



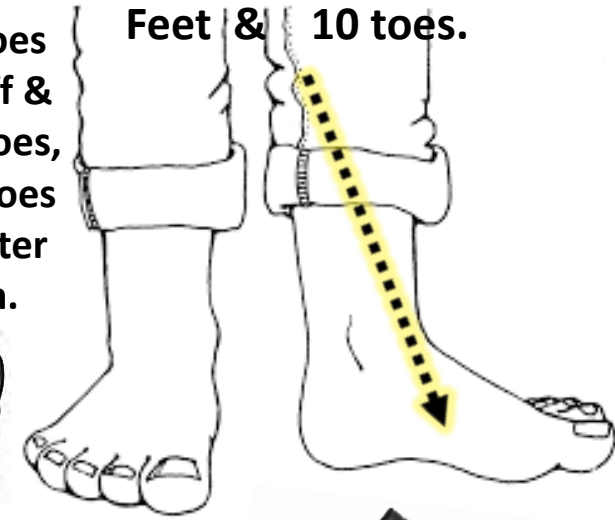
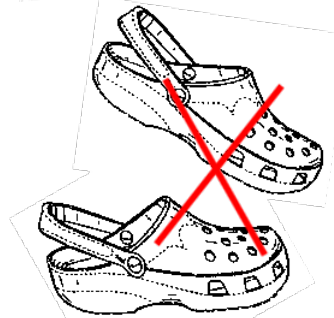
Leather gloves



Rubber gloves



Sneaker shoes don't slip off & cover feet/toes, but work shoes provide better protection.



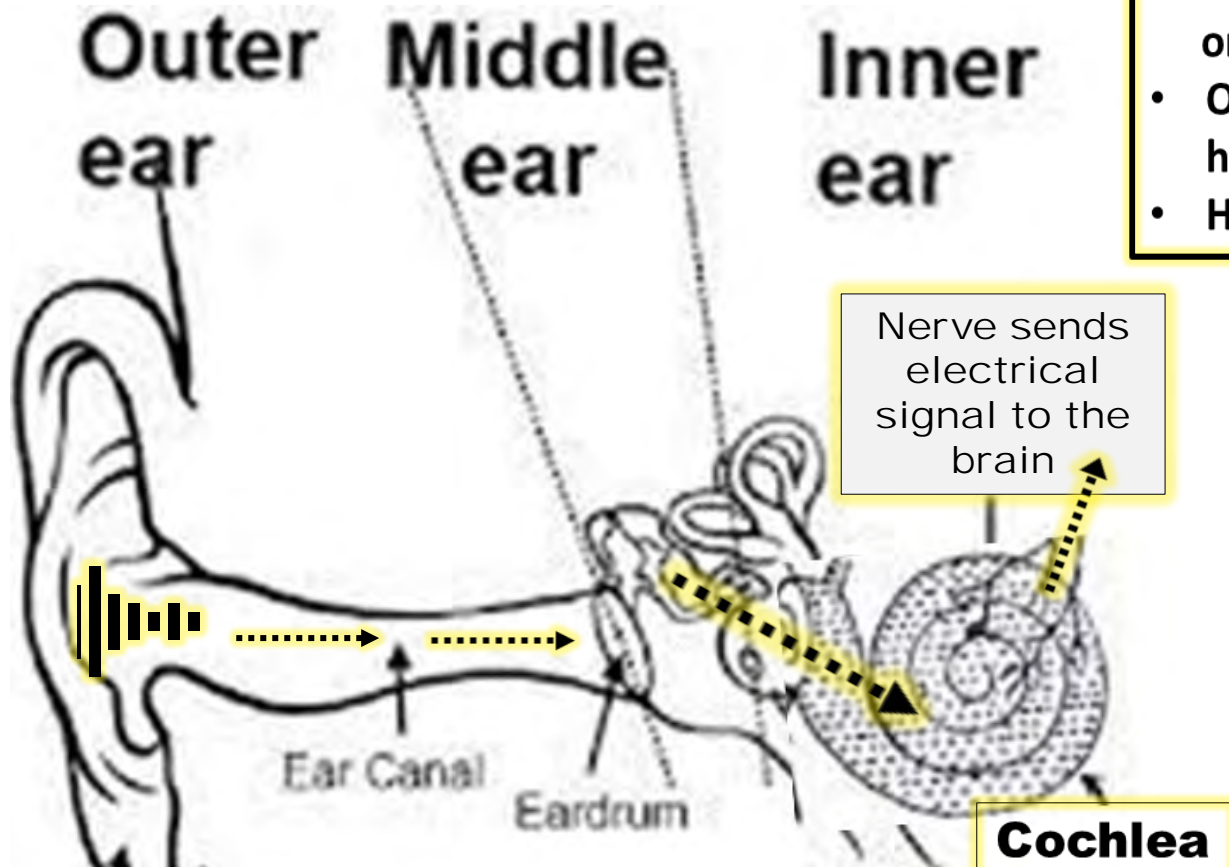
Protect Your Feet & 10 toes.



Leather work shoes or Steet tip leather shoes are best choices.



Protect Your Hearing.



The cochlea is a snail-shaped area in the inner ear. It is lined with sensory hair cells which sway with sound vibrations. The sound waves are turned into electrical signals which are sent to the brain.

Over time, sounds that are too loud can damage these hair cell bundles causing permanent hearing loss.

Did You Know?:

- Exposure to loud lawn equipment, farm machinery, or power tools can slowly damage the tiny hairs in your ears?
- Over time, exposure to high noise levels can cause permanent hearing loss.
- Hearing loss is preventable by wearing ear plugs, earmuffs, or both.



Ear Plugs reduce noise average -25 dB.

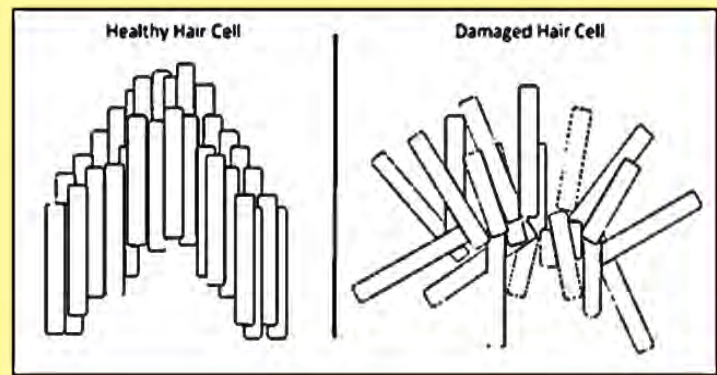
- 106 dBA = gas leaf blower
- Combine – 105db;
- Baler – 102db;
- Tractor – 100db;
- Cultivator – 98db;
- Loader – 98db;
- Mower – 90db;

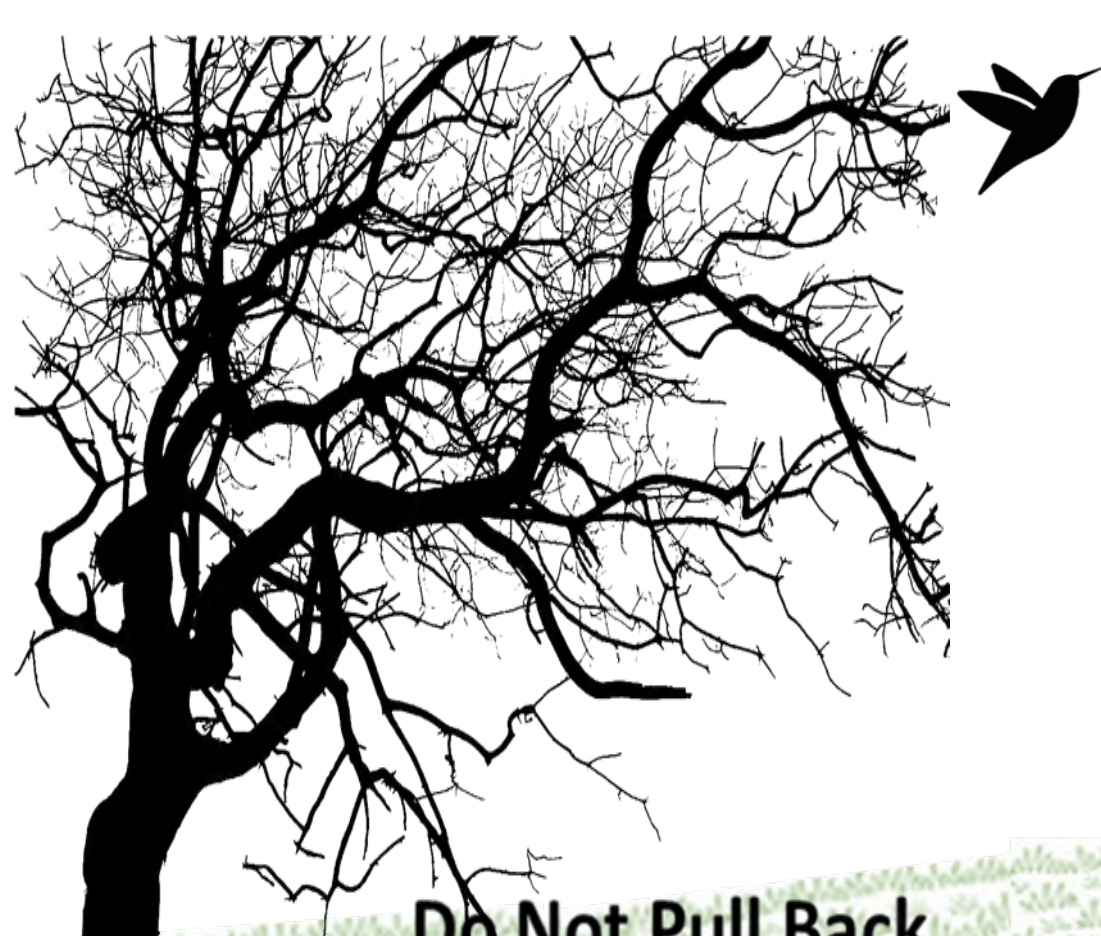
Do the Math

$$\begin{array}{r}
 100 \text{ -dB Mower} \\
 - 25 \text{ -dB Ear plugs} \\
 \hline
 75 \text{ -dB Noise Level}
 \end{array}$$



Good Earmuffs reduce noise average -30 to -40 dB.





It's Dangerous To Backup.

You Never Know Who Or What Is Behind Your Mower.
Make Safety Your Top Priority.



Do Not Pull Back



MAKE  **SAFETY FIRST!**



It's Dangerous to Pull a Push Mower Backwards.

If You Slip on Wet Grass or Stumble,

The Sharp Blade Could Cause a Serious Injury.



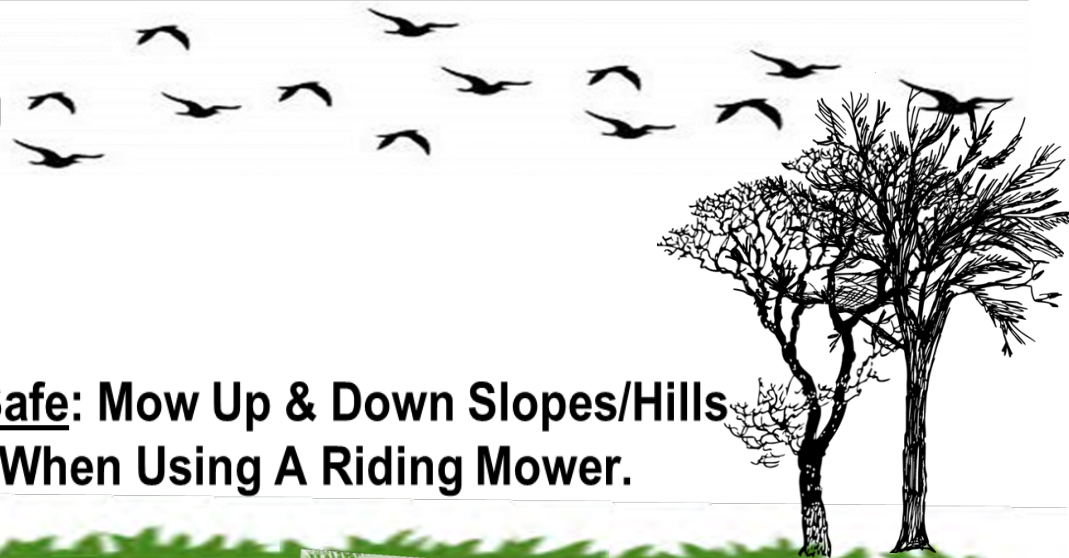
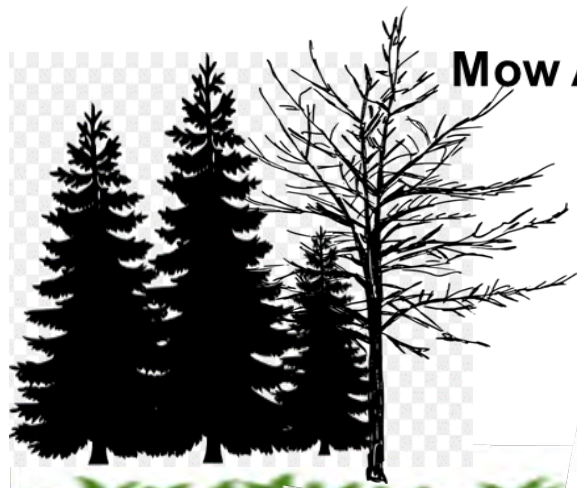
It's NOT SAFE TO

Mow Across Slopes/Hills Using A Riding Mower.

Prevent A Roll Down The Hill Incident.



Be Safe: Mow Up & Down Slopes/Hills When Using A Riding Mower.



MAKE  SAFETY FIRST!



MAKE

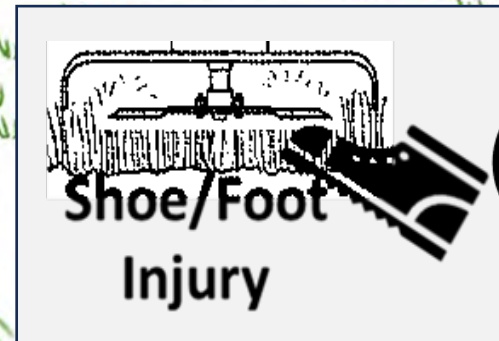
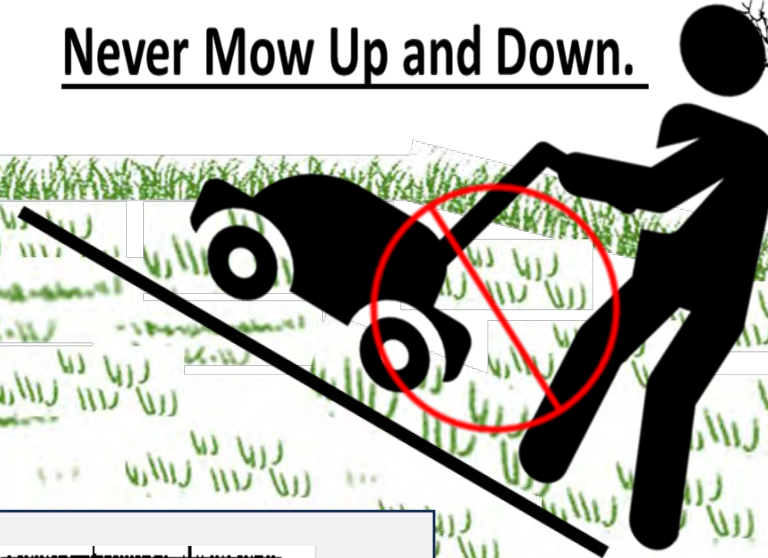


**SAFETY
FIRST!**

Save Your Shoes/Feet.

Mow Across A Hill With A Push Lawn Mower.

Never Mow Up and Down.



Being Kind: Is Not Mowing Grass Clippings Onto the Road.

Prevent Injuries To Others Using The Road & Objects (Stones) From Hitting Peoples/Vehicles.



Grass clippings can create a slick surface that is skippy like Black Ice.

MAKE  SAFETY FIRST!



When Can Youth Mow Safely?

- American Academy of Pediatrics recommend;
 - o Youth be at least 16 to operate riding lawn mowers.
 - o Youth be at least 12 to operate a walk-behind mower

Mowing the lawn with powerful equipment that sends thousands each year to an ER for medical care is a big responsibility.

The above recommendation from the Academy of Pediatrics is good advice.

A parent should also consider their child's abilities, maturity level, size, strength & coordination skills needed to operate a lawn mower safely.



Questions parents should ask themselves:

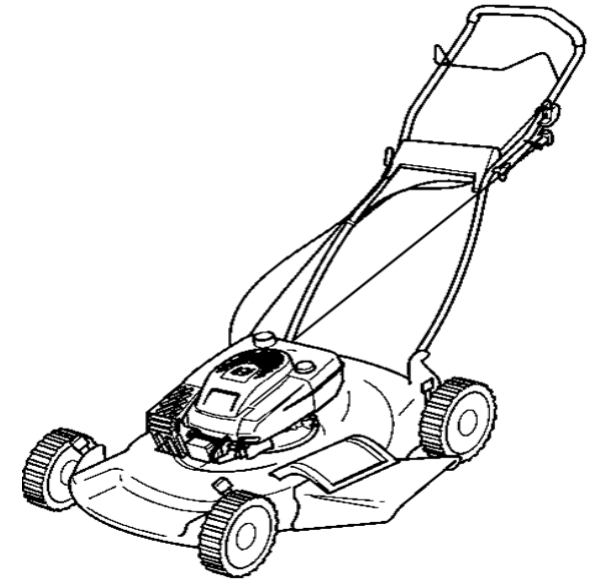
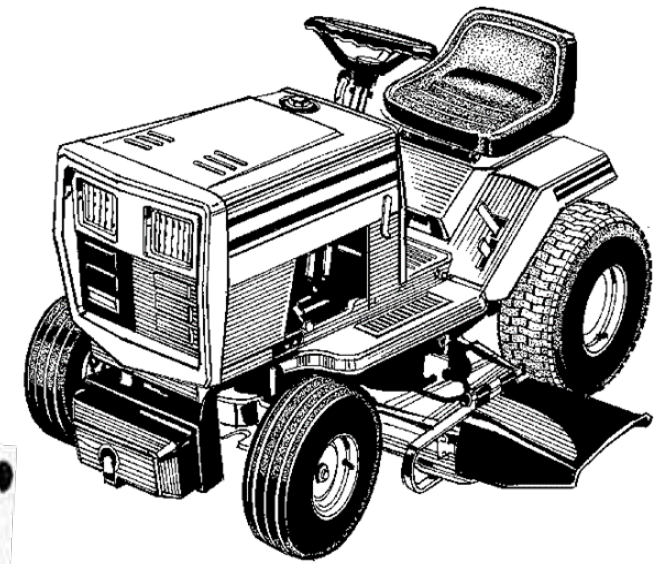
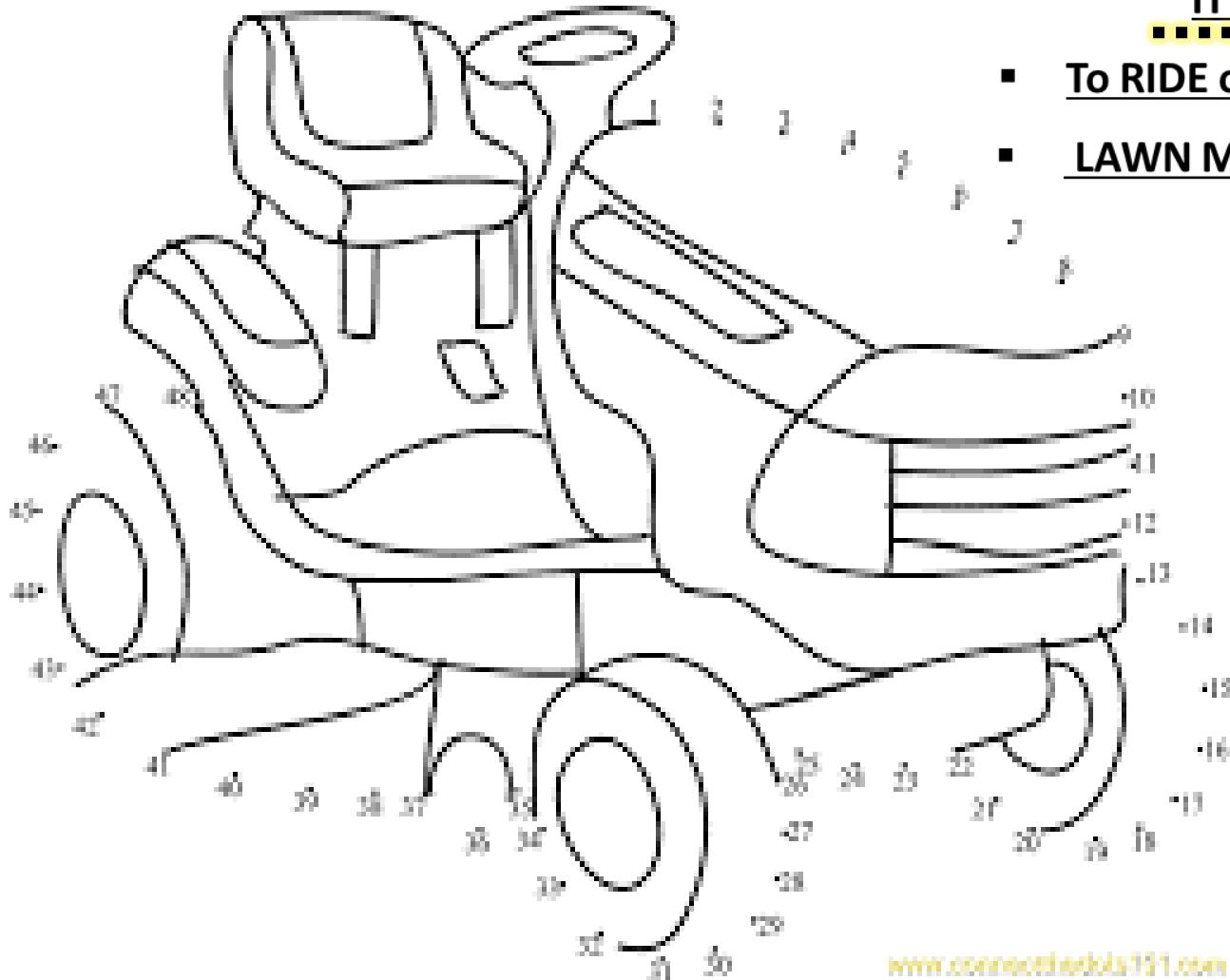
- o If using a riding mower, can the youth reach the necessary controls without moving from the seat?
- o If using a walk behind mower, does the youth have the physical strength to mow the yard without putting themselves at risk?
- o Has the youth been trained in proper operation of the mower, including fueling, starting, & trouble shooting?
- o Does the youth have safety as a top priority?
- o Has the youth observed safe lawn mowing behavior by an adult?

Sources: Farm Safety 4 Just Kids, K-State Research and Extension, and American Academy of Pediatric

Little Ones-
Have Fun Coloring This Lawn Mower Activity Page.

Remember:
IT IS NEVER SAFE:

- To RIDE or PLAY on A Lawn Mower
- LAWN MOWERS ARE A "DANGER"



www.connectthedots131.com

Coloring & Activity Page



See What You Learned!



1

Heat related illnesses—
(Heat Exhaustion or
Heat Stroke) are very
_____and
should not be ignored.

- a. Beneficial
- b. Serious
- c. Exiting

2

The gas tank should be
filled after the engine
has cooled for at least
_____ minute(s).

- a. 1
- b. 3
- a. 5

3

When operating a riding
mower on a hill, mow
_____ slopes.



- a. Up & Down
- b. Across

5

When operating a walk
behind mower on a hill,
mow _____ slopes.

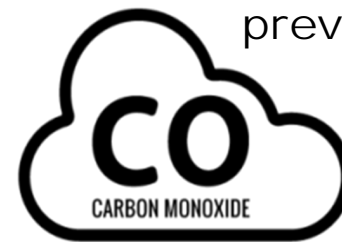


- a. Up & Down
- b. Across

4

If you are working indoors
with running equipment, make
sure there is adequate

_____ to
prevent carbon monoxide
exposure.



- a. Lightning
- b. Fuel
- c. Ventilation

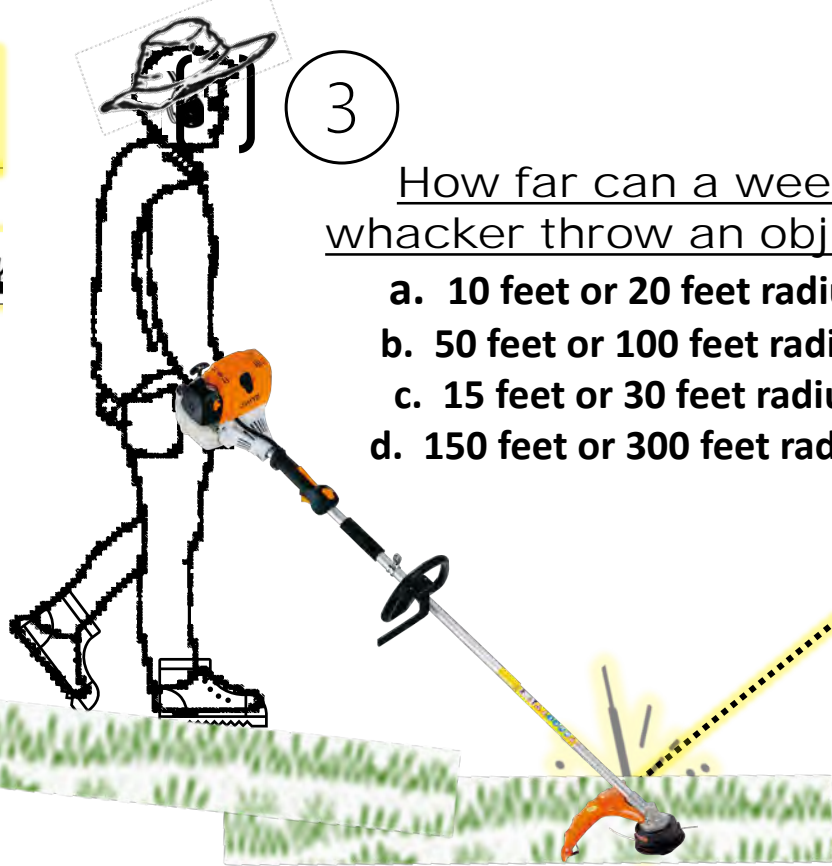


See What You Learned!



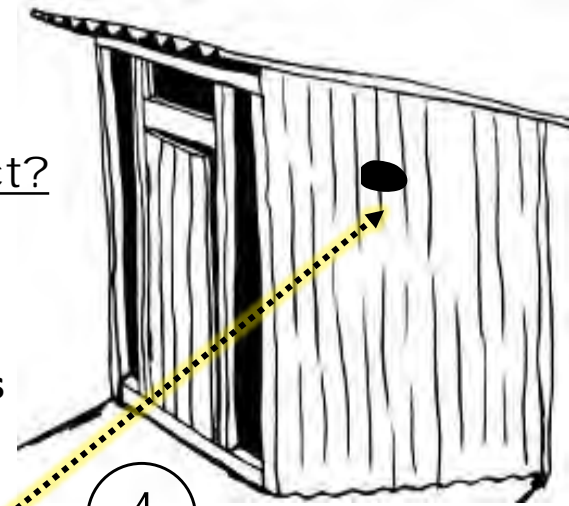
- ① Before using the weed whacker what should be done?
- a. Sweep up the side walks
 - b. Check the lawn and pick up trash and other objects
 - c. Nothing start it up and go
 - d. All of the above

- ② If the weed whacker becomes clogged with debris, what step(s) should be taken to clear the obstructions?
- a. Hit the head of the weed whacker on the ground
 - b. Turn engine off, disconnect the spark plug wire and clear out the obstruction using a stick or another object
 - c. While the engine is running reach in and remove the obstructions
 - d. Put the weed whacker away and call it a day.



③ How far can a weed whacker throw an object?

- a. 10 feet or 20 feet radius
- b. 50 feet or 100 feet radius
- c. 15 feet or 30 feet radius
- d. 150 feet or 300 feet radius



④

True or False:

While operating the weed whacker the operator should stand upright & avoid bending over?

- a. True
- b. False

⑤ When weed whacking or mowing the lawn, safety glasses should be worn to prevent eye injuries from what?

- a. Dust
- b. Dirt
- c. Trash
- d. All of them—a, b, & c.



See What You Know About Mowing Safely.



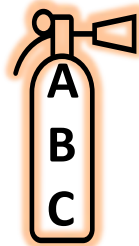
Coloring Page.

1. What grows in your yard? _____	A. Lawn
2. Another word for yard. _____	B. Breaks – Drink plenty of water
3. What do you cut grass with? _____	C. Safety Glasses/Goggles/Face shield
4. Use these to prevent hearing loss. _____	D. Rain
5. What you wear to protect your feet. _____	E. Ear plugs/Earmuffs
6. Who should stay inside when somebody is mowing? _____	F. Closed-Toe Shoes
7. Prevent eye damage by wearing these. _____	G. Young Children & pets
8. In what weather should you not mow? _____	H. Grass
9. When it's hot, take lots of _____ & _____ H2O.	I. Mower

Keep Safety Equipment Working & Available!

Be Emergency Ready:

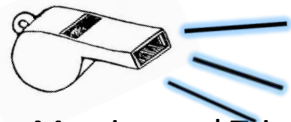
- Take a CPR/First Aid Class
- Teach everyone how to call 9-1-1
- Hang Emergency Call Card @ phone
- Hang working fire extinguishers
- Take a class- how to use an extinguisher
- Have Smoke & Carbon Monoxide detectors
- Take Stop the Bleed class
- Make first aid kits to have in house/garage
- Know the whistle signal for "Help"—3 short blasts



❖ Note: It Is Important to:

- Tell 9-1-1 what township/borough you are calling from

Kay Moyer
Penn State Extension, Lancaster
1383 Arcadia Road, Rm 140
Lancaster, PA 17601
Office: 717-394-6851
Home: 717-665-6219
Penn State Volunteer



Did You Know A Whistle
Can Be Heard A Mile Away?

NASD - Mowing and Trimming Safety (nasdonline.org)



My name is: _____
My address is: _____
The Township/Borough I am calling from
is: _____
The two roads close to my home/farm
are: _____ & _____

What to do in an emergency:

- ✓ Call 9-1-1
- ✓ Stay at the phone
- ✓ Send someone to meet the responders
- ✓ Wear a safety vest and swing a flashlight
- ✓ Provide CPR and/or first aid as needed

Put this emergency information card near your phone, so when you call 9-1-1, you will have the information needed to get help quickly!

PRIMARY PRINCIPLES OF TRAUMA CARE RESPONSE

- **Make sure it's safe for you to be there**



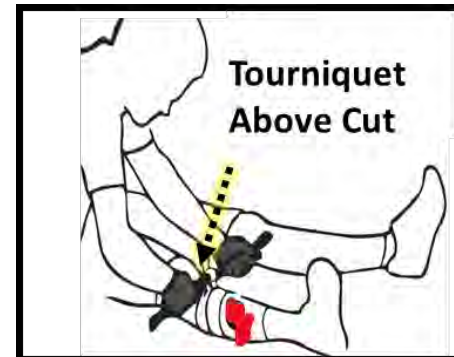
- Use The ABCs of Bleeding

- A - Alert - call 9-1-1
- B - Bleeding - find the bleeding injury
- C - Compress - apply pressure to stop the bleeding by:

1. Covering the wound with a clean cloth and applying hard pressure by pushing directly on the area with both hands.
2. Packing (pushing in) gauze or clean cloth into the wound and then apply hard pressure with both hands.
OR
3. Using a tourniquet if bleeding won't stop with only pressure.

Apply the tourniquet:

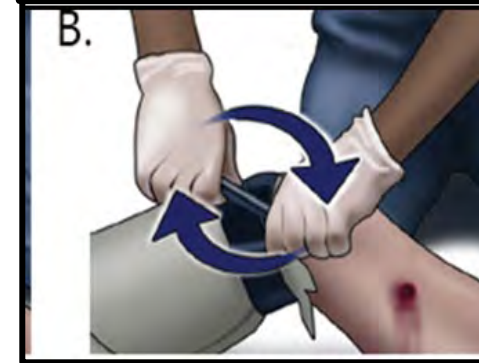
Wrap the tourniquet around the bleeding arm or leg about 2 to 3 inches above the bleeding (be sure NOT to place the tourniquet onto a joint)-- go above the joint if necessary).



Pull the free end of the tourniquet to make it as tight as possible and secure the free end. (A)



Twist or wind the windlass until bleeding stops. (B)



Secure the windlass to keep the tourniquet tight. (C)



Note the time the tourniquet was applied. (D)

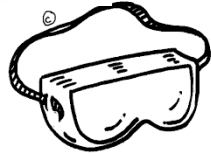


Wearing Personal Protection Gear & Adopting Safe Work Habits Can Prevent Injuries & Visits to A Doctor.

MAKE



Always wear safety glasses unless in an enclosed cab.



A face shield + safety glasses, should be used to protect person when using a string/brush trimmer.



Wear gloves to protect your hands.

Wear & sturdy, non-slip boots. Never wear sandals or tennis shoes. Protect legs & feet.



Working Near The Road: Help car driver to see you by wearing a vest.

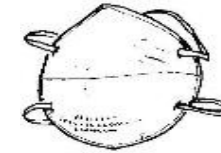


Note: Loose shirt sleeves, pant legs or clothing strings can catch in the equipment's moving parts, resulting in injury.

Hearing protection is important.



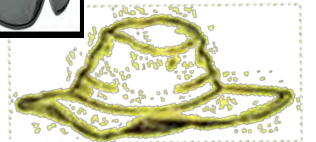
Use a Dust Mask to protect your lungs from dust or pollen.



Prolonged exposure to sunlight causes skin cancer, cataracts and other serious illnesses:



- Choose a sunscreen that is both UVA and UVB rays protective & an (SPF) of least 15.
- Note: the UV rays are highest from 10 Am - 4 Pm.
- Wear a hat, sunglasses, & long-sleeve shirts/pants to lower body temperature & block the sun.



Use a String Trimmer with blade guard in place.



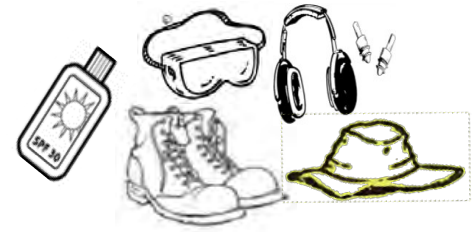
Copy & Post To Remind Everyone About Safety!



MAKE Lawn Mowing

A SAFETY FIRST!

Priority!



• Clean The Yard Before Mowing----Prevent Flying Objects

• No Extra Riders

• Keep Children Inside When Mowing

• Stop The Mower When Anyone Comes Near

• Wear Protective Equipment & Sun Protection

• Remember to Drink, Drink, Drink

• Mow Up & Down With a Riding Mower

• Make It A Habit Not To Go In Reverse With A Riding Mower

• Mow Across-- With a Push Or Walk Behind Mower

• Never Pull --A Push/Walk Behind Mower Backwards

• When Servicing A Mower, Disconnect The Spark Plug

• Cool Down the Mower Before Clearing The Discharge Chute

• Store Gasoline Safely

• Never Fill A Hot Mower With Gasoline

• Store & Charge Batteries Safely

• Avoid running power equipment indoors---Prevent CO Poisoning

• Plan & Prepare for Emergencies: Knowing What To Do Saves Lives



It's Dangerous To Backup.

If You Slip on Wet Grass Or Stumble
Backwards,
The Sharp Blades Could Cause A Serious Injury.



Remember:
IT IS NEVER SAFE:

- To RIDE or PLAY on A Lawn Mower
- LAWN MOWERS ARE A "DANGER"

E:

3

1

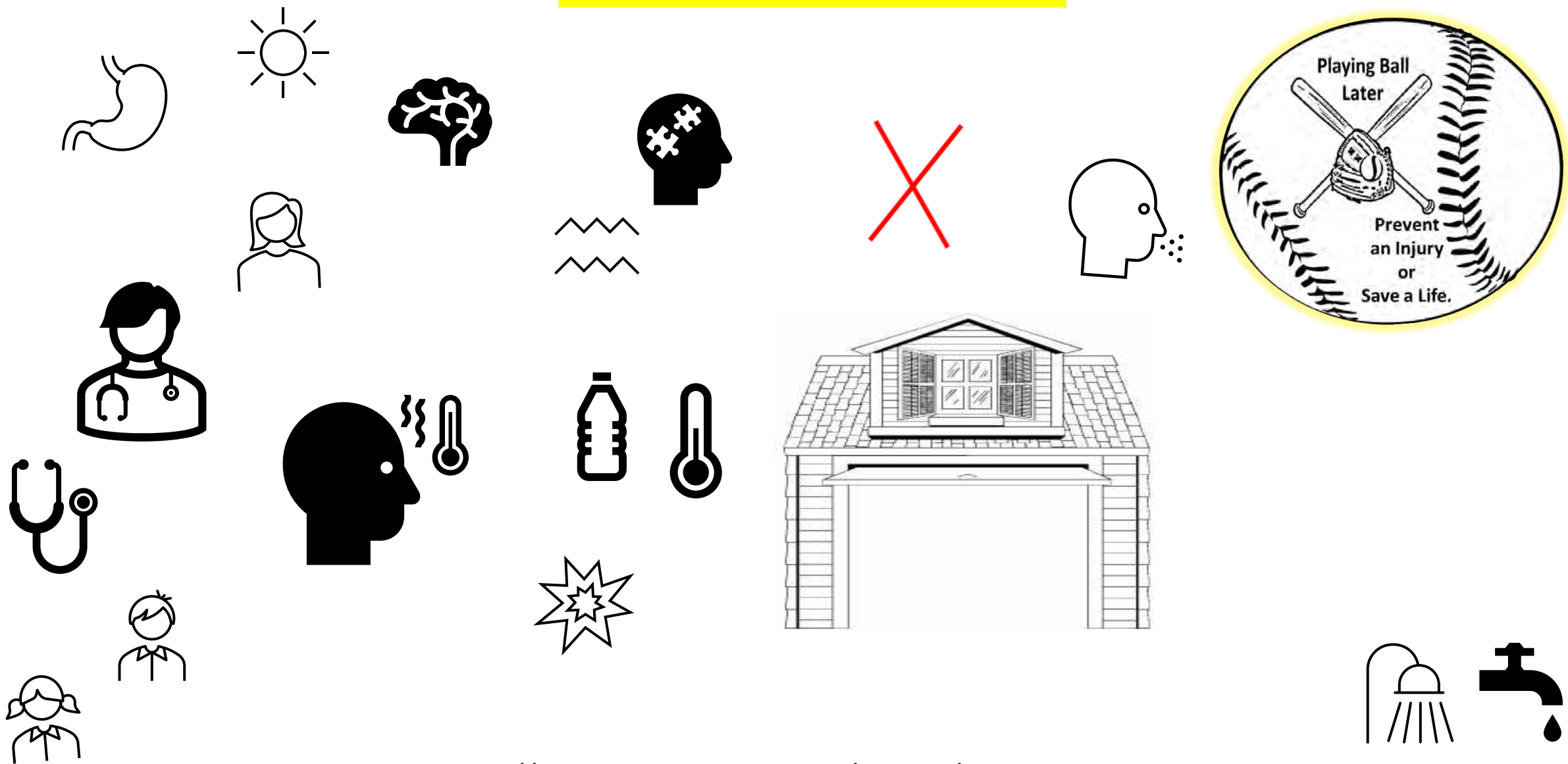
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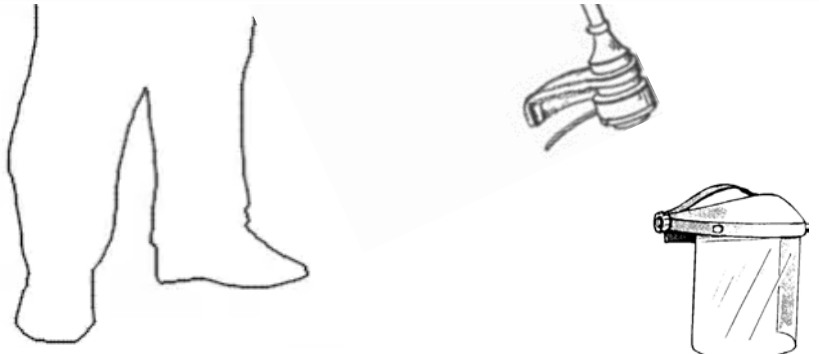
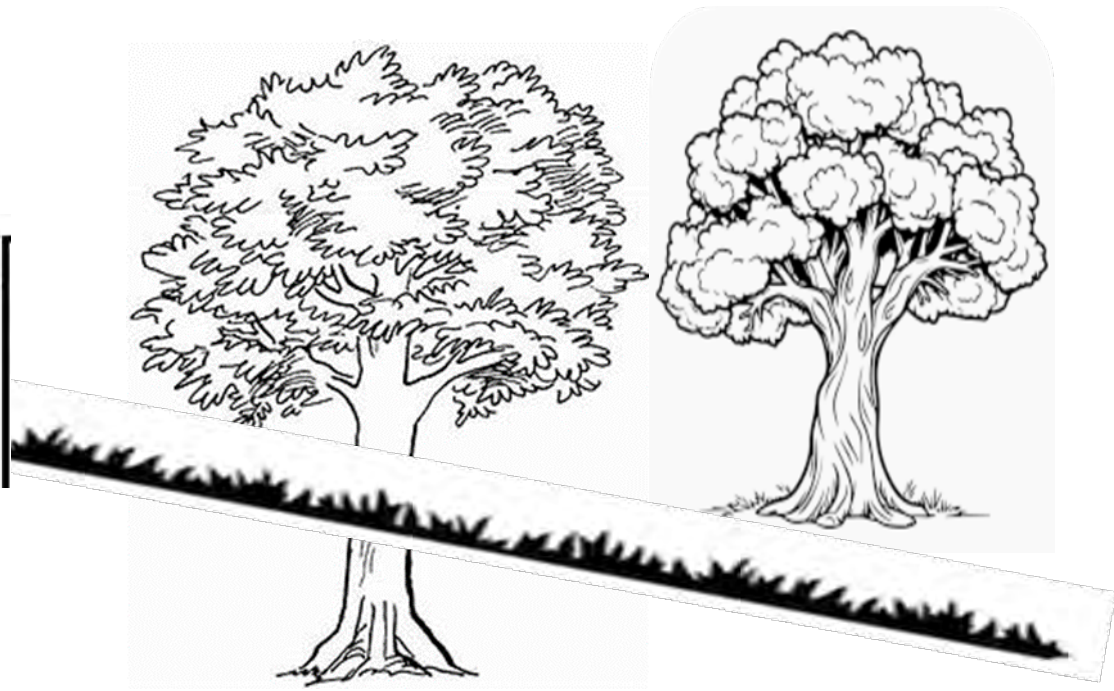
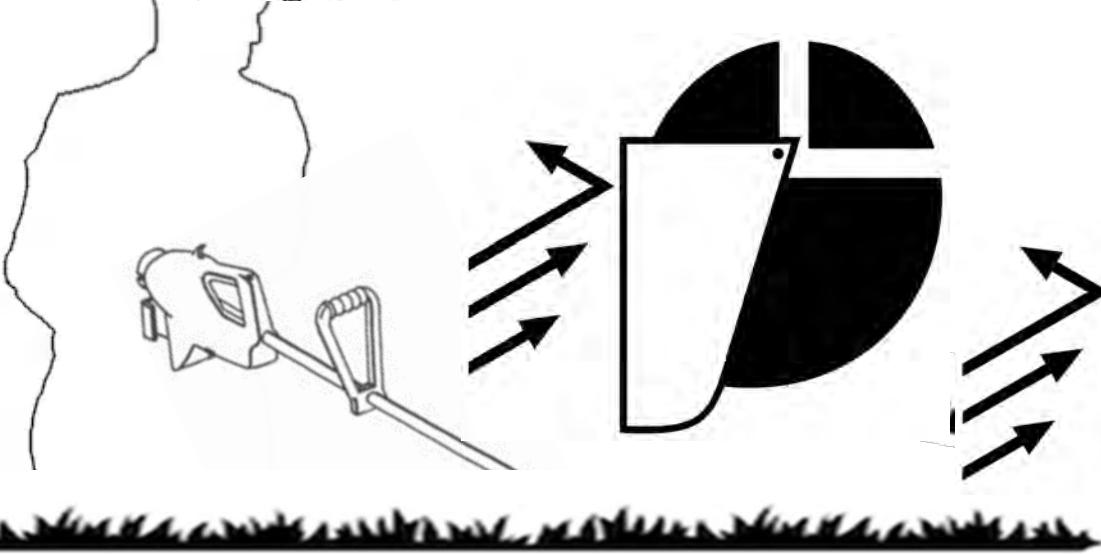
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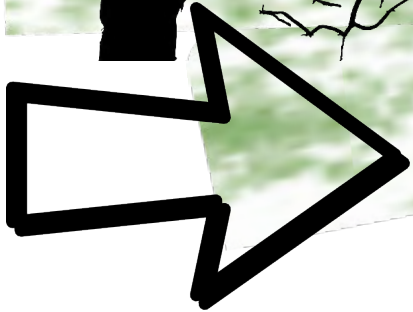
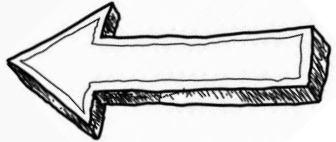
6

7



<https://www.atyourownrisk.org/articles/heat-stroke-and-heat-exhaustion-what-difference>





True or False: While operating the weed wacker the operator should stand upright and avoid bending over?

- a. True
- b. False

When weed whacking or mowing the lawn, safety glasses should be worn to prevent eye injuries from what?

- a. Dust
- b. Dirt
- c. Trash
- d. All of them—a, b, & c.

Before using the weed wacker what should be done?

- a. Sweep up the side walks
- b. Check the lawn and pick up trash and other objects
- c. Nothing start it up and go
- d. All of the above

If the weed whacker becomes clog with debris, what step(s) should be taken to clear the obstructions?

- a. Hit the head of the weed wacker on the ground
- b. Turn engine off, disconnect the spark plug wire and clear out the obstruction using a stick or another object
- c. While the engine is running reach in and remove the obstructions
- d. Put the weed wacker away and call it a day.

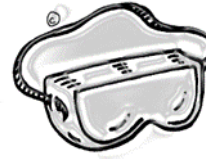
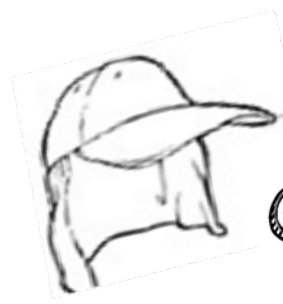
How far can a weed wacker throw an object

- a. 10 feet or 20 feet radius
- b. 50 feet or 100 feet radius
- c. 15 feet or 30 feet radius
- d. 150 feet or 300 feet radius

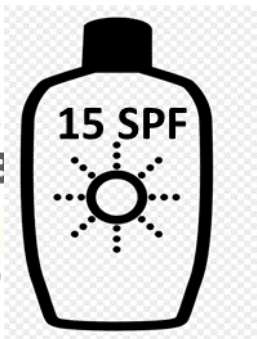
[Microsoft Word - Lawn Maintenance Safety Quiz.doc \(sugargrovefireacademy.yolasite.com\)](http://sugargrovefireacademy.yolasite.com)



Prolonged exposure to sunlight causes skin cancer, cataracts and other serious illnesses:



•Choose a sunscreen that is both UVA and UVE rays protective & an (SPF) of least 15



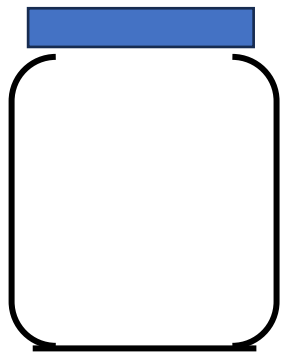
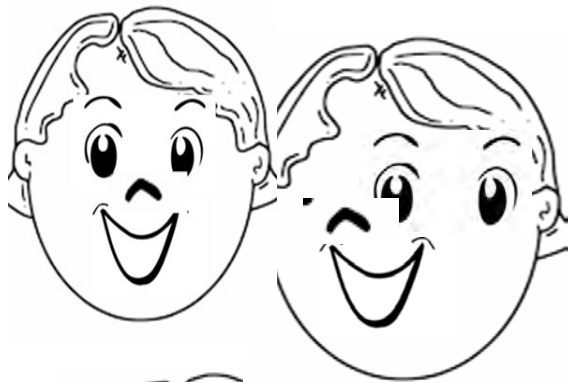
•Note: the UV rays are highest from 10 Am - 4 Pm.

~~•Wear a large brim hat, UV protective safety glasses or UV goggles.~~



•Wear long-sleeve shirt & /pants to lower body temperature & block the UV sunrays.



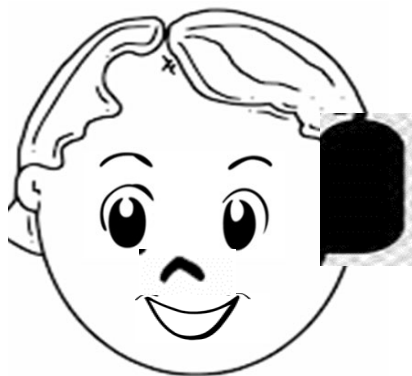
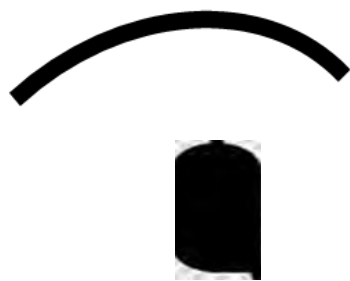
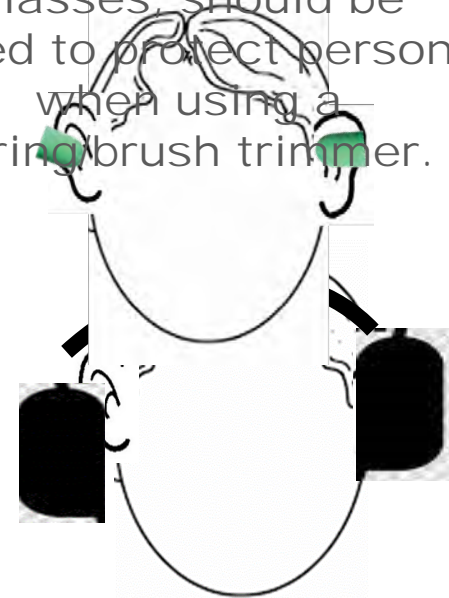


Always wear safety glasses unless in an enclosed cab.



Hearing protection is important.

A face shield + safety glasses, should be used to protect person when using a string brush trimmer.



For younger children, these injuries often happen when they try to touch a lawn mower or when they are in the yard while someone is mowing. Kids are curious and like to learn. Unfortunately, when they touch a hot lawn mower that has not yet cooled down, they can get serious burns as their skin is much thinner than an adult's. Kids also get hurt when rocks, sticks or other items in the yard shoot out of the lawn mower. Because of their size, kids often get hit in the head, face or eye. This can happen even if they are standing on the edge of the lawn watching or playing nearby, not watching at all.

Riding mowers bring another set of risks. With most riding mowers, it is easy to put the mower in reverse without looking around. Unfortunately, every year, children are backed over because the person mowing didn't know they were there and couldn't hear them over the noise of the mower. Sometimes children are run over when they slip off while riding on a mower with an adult. Injuries from both of these scenarios happen in the blink of an eye and are more common than people think.

[Lawn Mower Safety: Why Kids Should Stay Inside When You Cut the Grass \(nationwidechildrens.org\)](https://www.nationwidechildrens.org/lawn-mower-safety-why-kids-should-stay-inside-when-you-cut-the-grass)

To keep your family safer around lawn mowers, there are a couple of steps you can take.

- Keep kids inside.** Whenever you mow the lawn, either with a push mower or a riding mower, find an inside activity for the kids. Teach children that people mowing the lawn may not be able to hear them or see them so they should stay inside until the lawn mower is turned off and put away. If they are walking outside and see someone mowing the lawn, they should wait to pass by when the person mowing is far away from the sidewalk.
- Teach kids that lawn mowers aren't toys.** Never let a child play on or near a mower, even when it is not in use. Also remember that riding mowers are only designed for one person, the operator, to be on while in use.
- Learn how to keep the person mowing the lawn safe.** Teens and adults who are mowing the lawn can get lawn mower-related injuries as well. Learn what you can do to keep yourself safe. We recommend waiting until children are at least 12 years old before they use a push mower and 16 before operating a ride-on mower. For more helpful hint

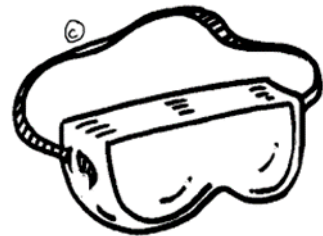
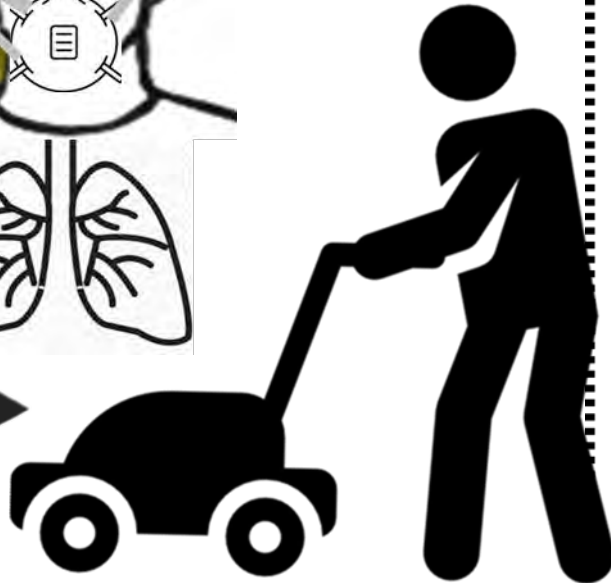
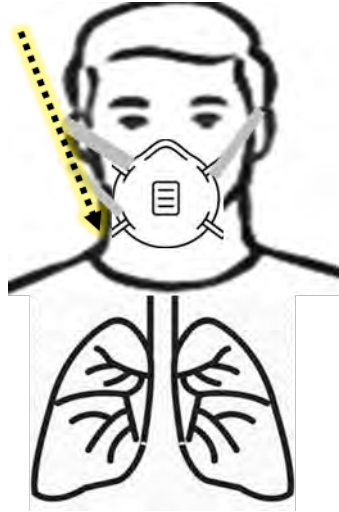
Farmer's lung is a disease caused by an allergy to mold in certain crops.

Protect Your Lungs



Dust masks decrease the amount of dust from hay, corn, grass pollen or mold in grain that a person breathes into their lungs.

Do Not Pull Back



Heat Stroke

Look For:



▪ Fever 103-105

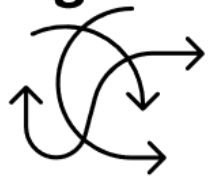
▪ Pulse Fast



▪ Rapid Breathing



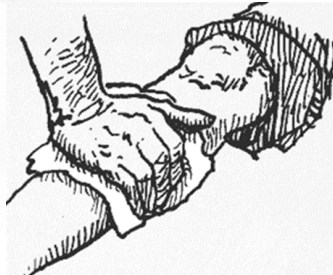
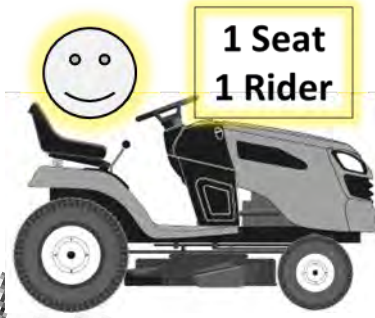
▪ Confusion



▪ Loss of consciousness

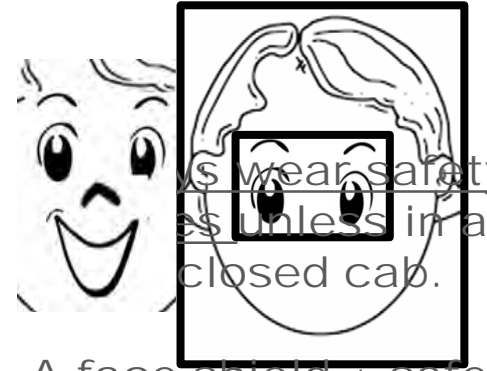


Seek Medical Help!



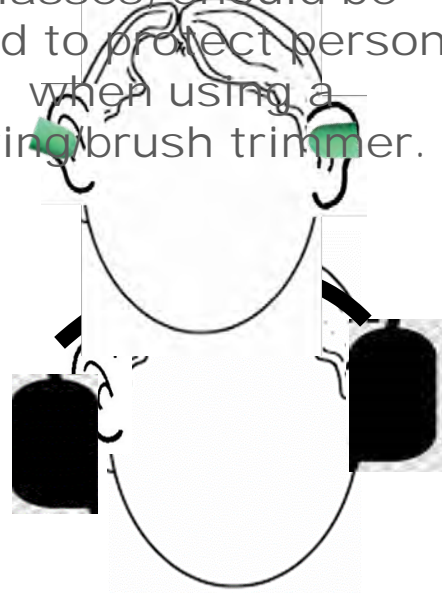
Do Not Pull Back





Always wear safety glasses unless in an enclosed cab.

A face shield + safety glasses, should be used to protect person when using a string brush trimmer.



Hearing protection is important.



Other Yard Work Safety Tips to Keep You Out of the ER

Weed whackers have a spinning blade/string that quickly cuts through grass & weeds. Weed whackers can easily cut through skin & send small objects that cause eye injury/blindness.

Safety Tips When Using a String Trimmer:

- Wear ear-plugs or ear-muffs.
- Wear large hat.
- Long sleeves & pants.
- Wear good leather shoes.
- Protect eyes---goggles/face shield.
- Make sure no one is anywhere standing nearby.

Yard work tools are sharp & cause cuts & lacerations.

Falls from ladders cause back injuries as well as fractures of legs, hip, or ankles.

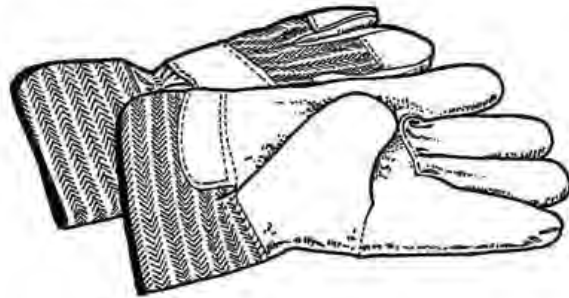
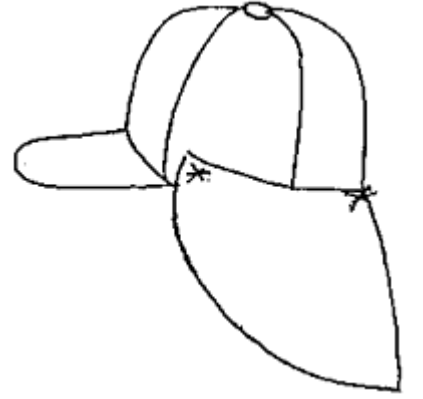
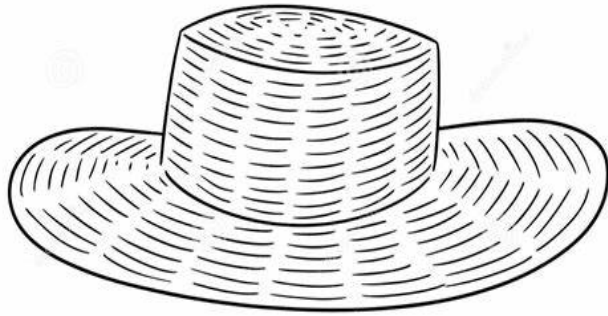
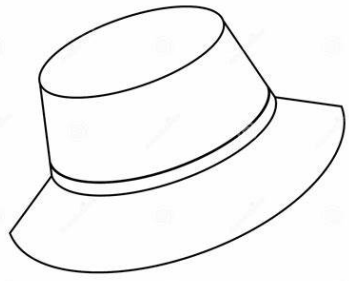
The blades can spin at speeds of up to 10,000 rpm, making them extremely sharp & dangerous.

Yard Work Safety Tips to Keep You Out of the ER - Consumer Reports







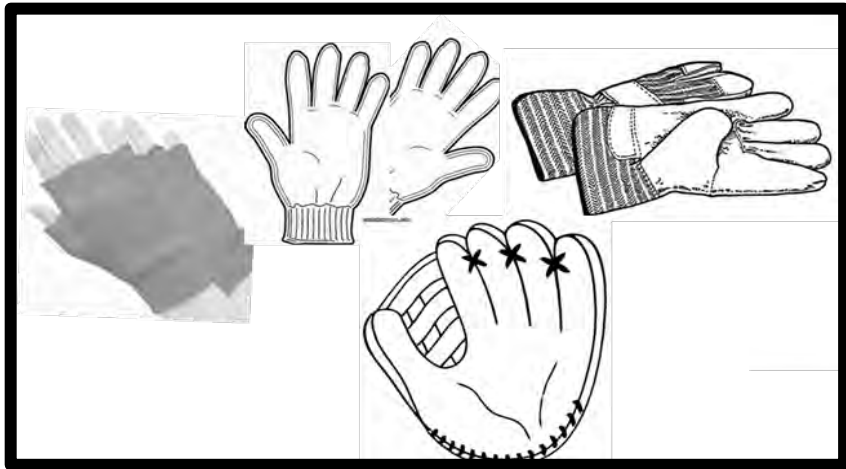
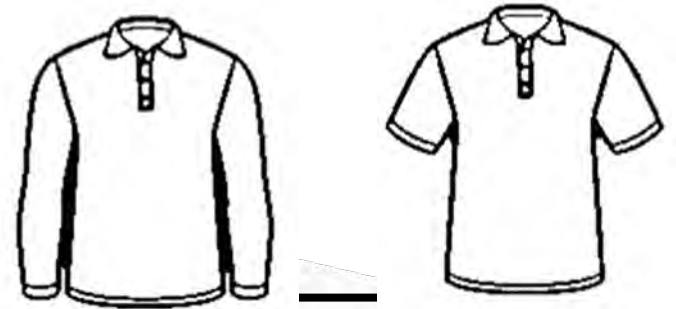
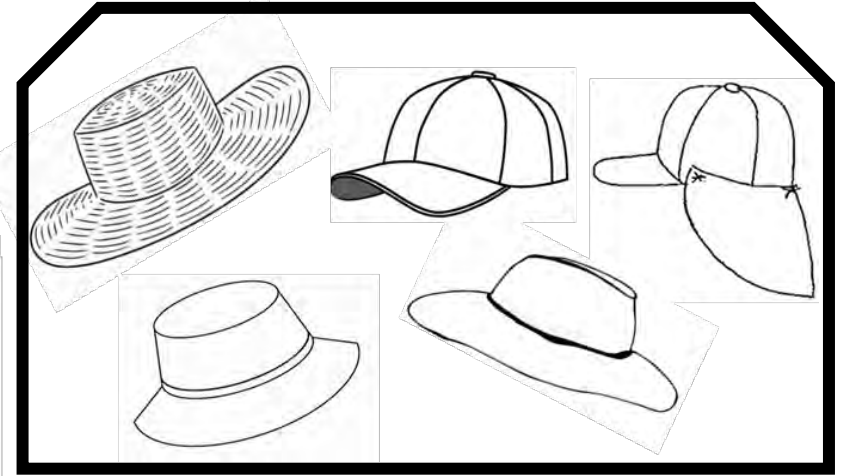


Fuel is another danger. Most mowers are powered by gasoline-driven combustion engines. Gasoline is a very explosive and flammable material that should be treated with respect. One gallon of gasoline combined with the correct amount of air is equivalent to 83 pounds of dynamite. Gasoline is flammable because it vaporizes with air to form a mixture that ignites easily. Vaporization can occur in temperatures as low as zero degrees.

LAWN MOWER SAFETY: HOW MUCH DO YOU KNOW?

1. How fast can a stick or toy fly out of a lawnmower discharge chute?
 - a) 10 miles per hour
 - b) 20 miles per hour
 - c) 200 miles per hour
 - d) 500 miles per hour
2. TRUE or FALSE: Always mow across slopes and inclines when using a walk-behind mower.
3. What kind of shoes should you wear when operating a walk-behind mower?
 - a) sandals
 - b) canvas athletic shoes
 - c) bare feet
 - d) leather shoes
4. What is the most important thing to do before doing any service work on a mower?
 - a) put on gloves
 - b) drain fuel tank
 - c) disconnect spark plug
5. TRUE or FALSE: One gallon of gasoline combined with the correct amount of air is equal to 83 pounds of dynamite.

[Mower Safety Quiz: What's Your Score? - Lawn & Landscape \(lawnandlandscape.com\)](http://lawnandlandscape.com)
[Answers to quiz: 1-c; 2-True; 3-d; 4-c; 5-True]



True or False: Open toe shoes and sandals are acceptable foot wear while weed wacking? a. True b. False

If the weed wacker becomes clog with debris, what step(s) should be taken to clear the obstructions?

- a. Hit the head of the weed wacker on the ground
- B Turn engine off, disconnect the spark plug wire and clear out the obstruction using a stick or another object
- c. While the engine is running reach in and remove the obstructions
- d. Put the weed wacker away and call it a day.

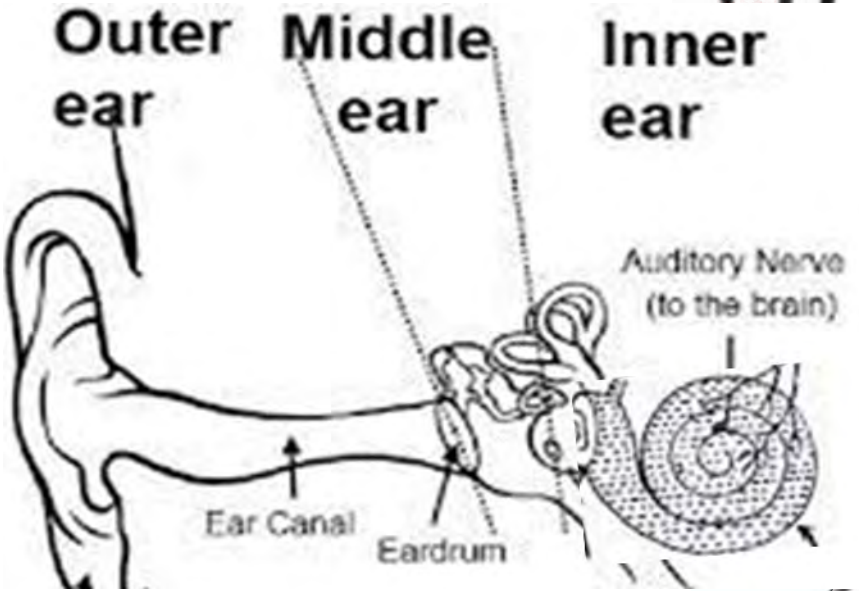
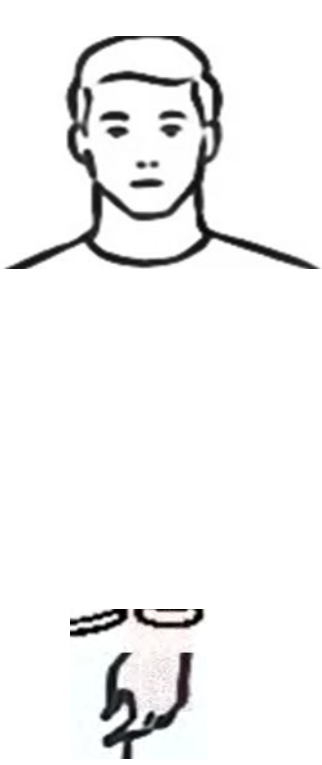
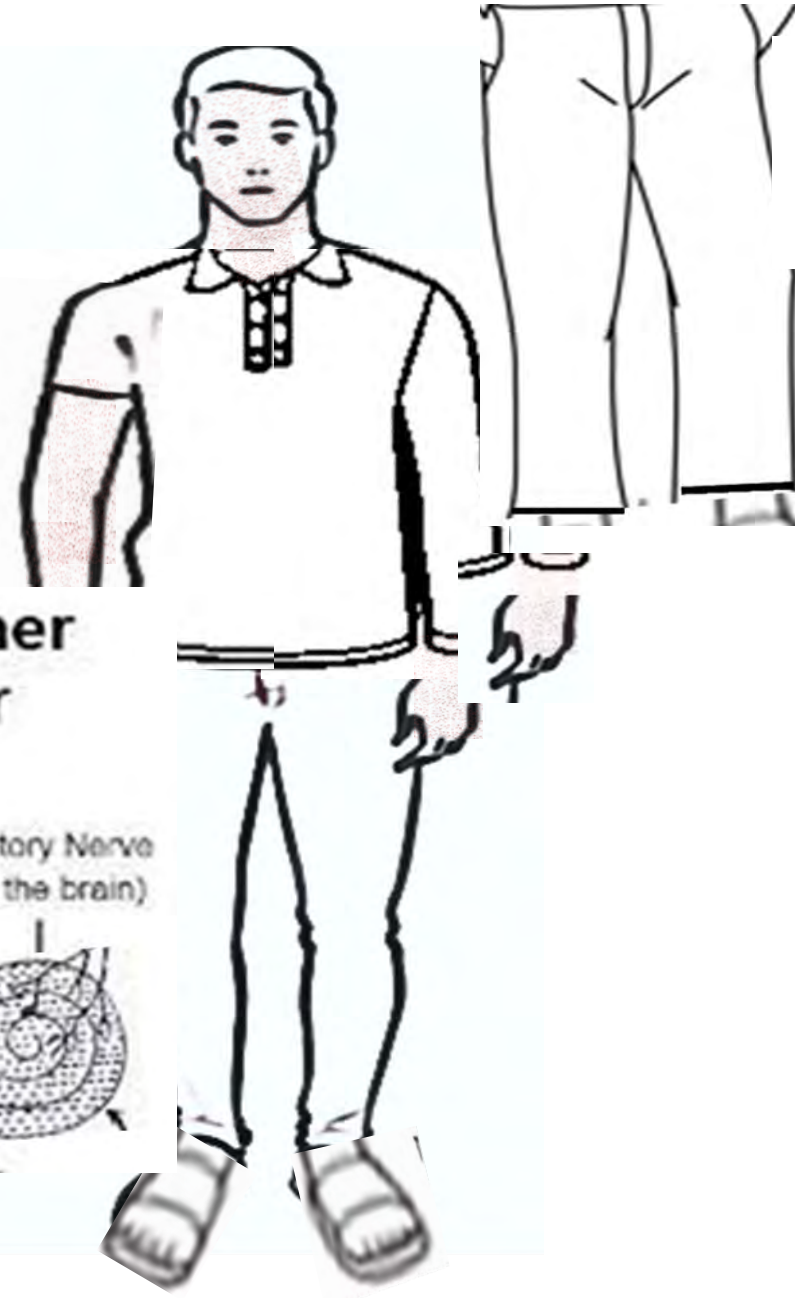
How fast can a lawn mower throw an object?

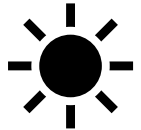
- a. 50 MPH
- b. 100MPH
- c. 200MPH
- d. 300 MPH

Microsoft Word - Lawn Maintenance Safety Quiz.doc (sugargrovefireacademy.yolasite.com)

How should an operator drive the lawn mower on a slope?

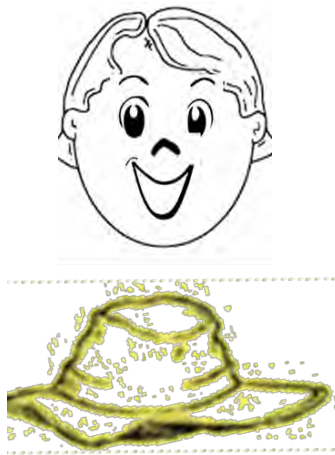
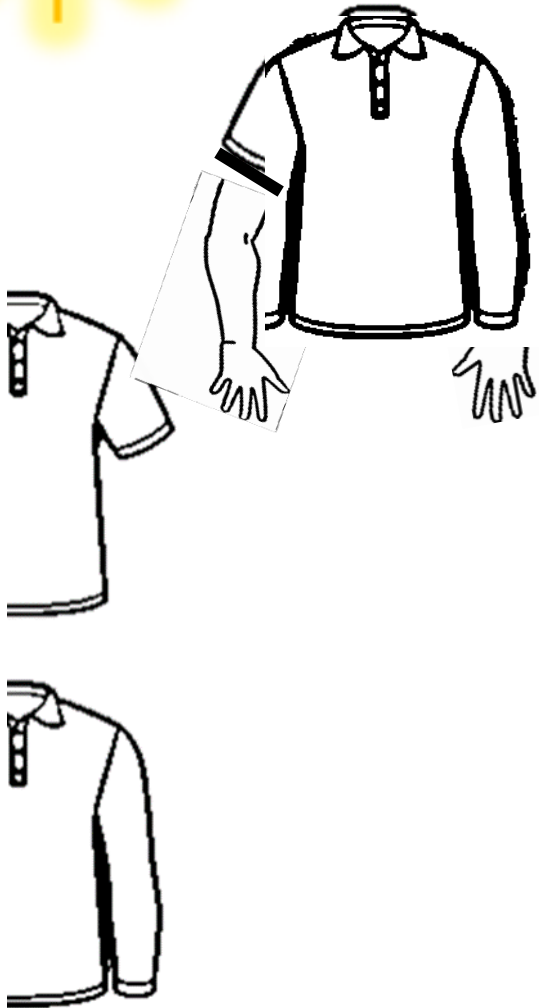
- a. Fast and with the direction being up and down the incline
- b. Fast and with the direction being across the steep of the incline
- c. Slow and with the direction being across the steep of the incline
- d. Slow and with the direction being up and down the incline





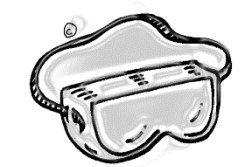


Prolonged exposure to sunlight causes skin cancer, cataracts and other serious illnesses:



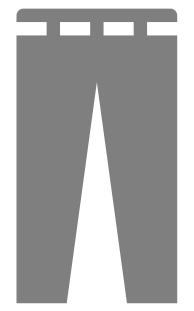
- Choose a sunscreen that is both UVA and UVB rays protective & an (SPF) of least 15

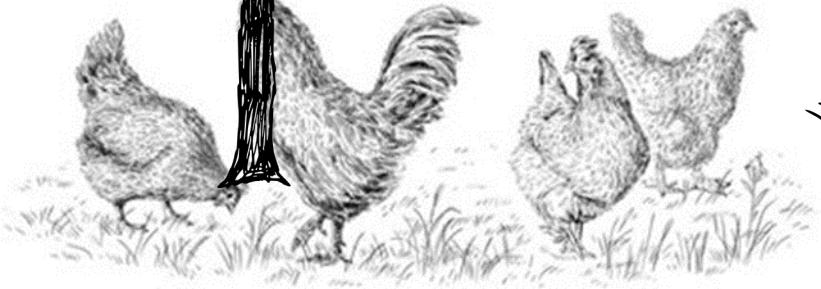
- Note: the UV rays are highest from 10 Am - 4 Pm.



- Wear a large brim hat, UV protective safety glasses or goggles.

- Wear long-sleeve shirt & long pants to lower body temperature & block the UV sunrays.

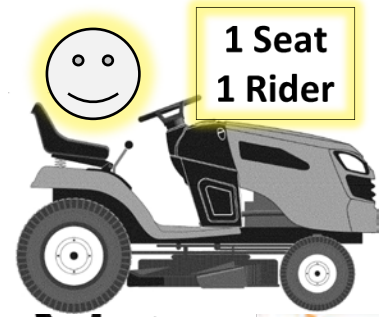
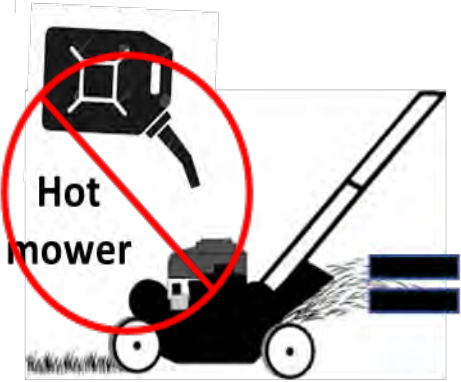




SAFETY FIRST!

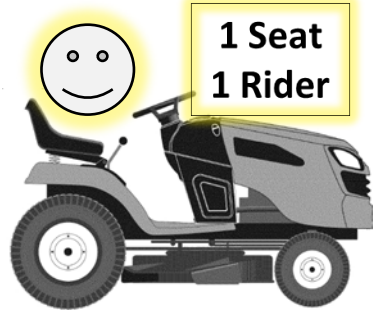
Did You Know?

It's estimated, that Yearly in the US, **77** people die & **87,600** injured children/adults receive medical care in an emergency room.



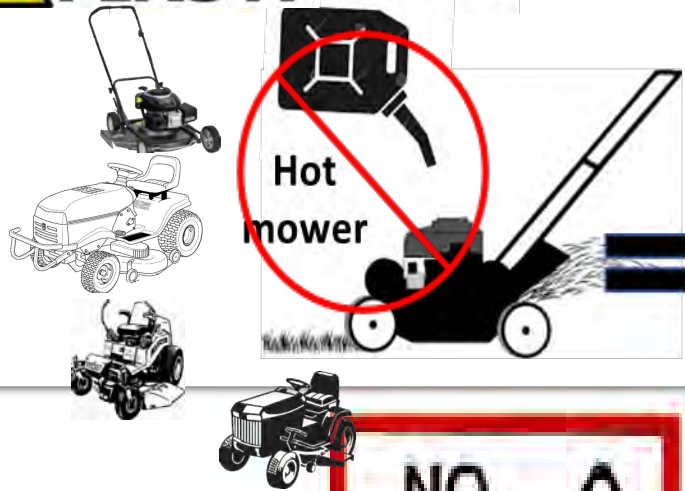
SAFETY FIRST!

A Family Priority!



MAKE Lawn Mowing

A **SAFETY FIRST!** Priority!



Keep Them Inside:
Keep Them Out Of Danger

Keep Them Inside:
Keep Them Out

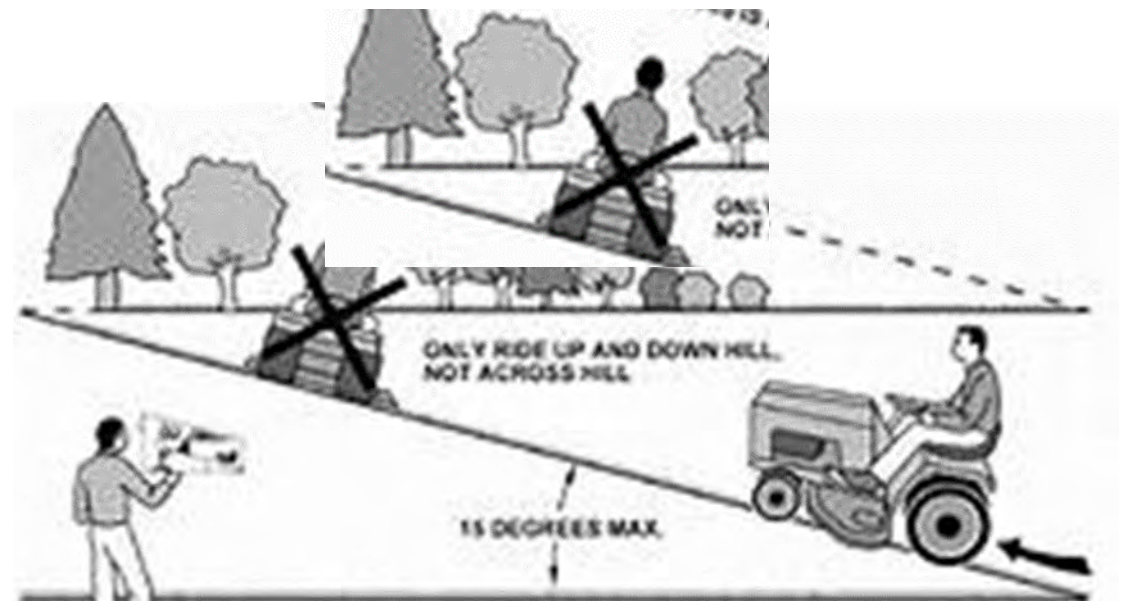
Remember:

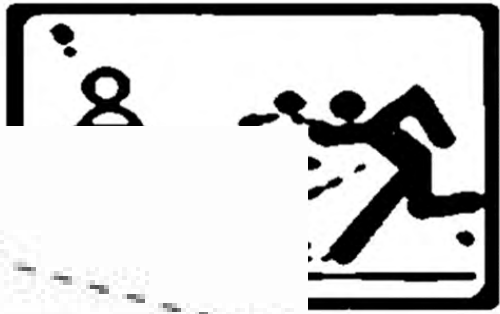
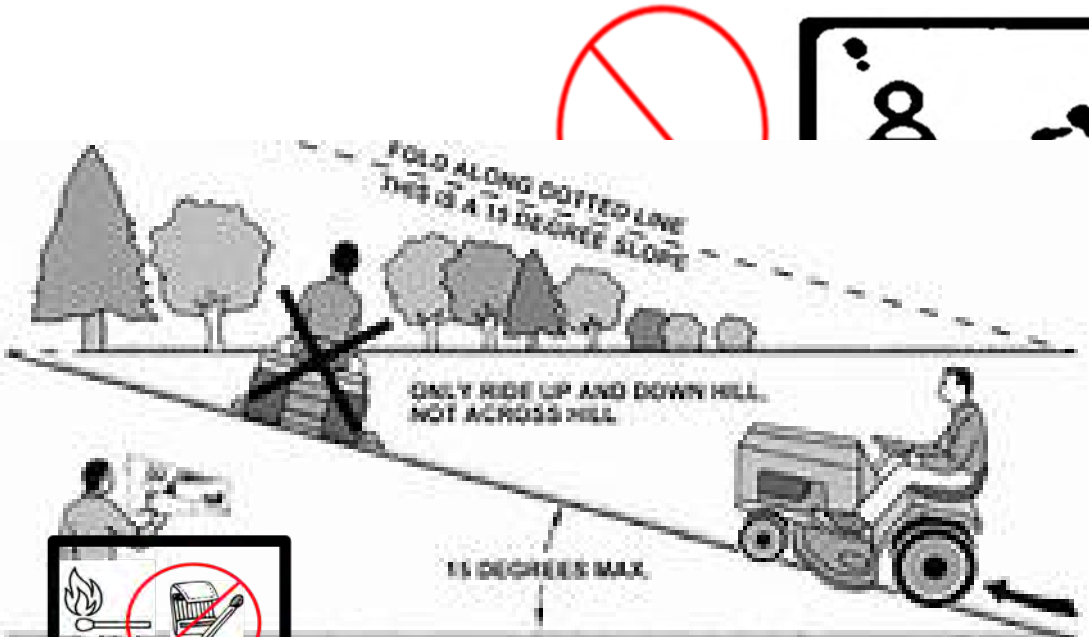


...nt with a riding mower.
...wer,
... away from the blade.
... someone is mowing.
... or someone comes near.

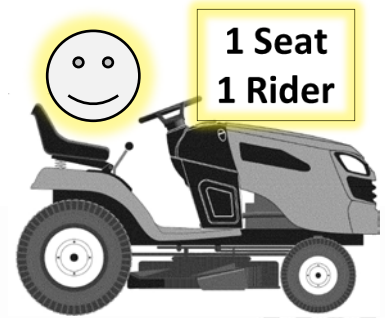
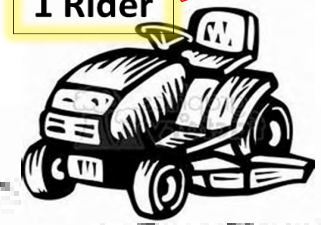


- No
- We
- Mc
- M
- Ke
- Ke
- St
- Never pull a push mower backwards.
- Never reverse when using a riding mower.





1 Seat
1 Rider



1 Seat
1 Rider



Prevent Injuries.
Just Say "NO".



Lawn Safety

- The blade of a rotary lawnmower can travel up to 200 miles per hour.
- It was designed to cut grass and fingers and toes won't split.

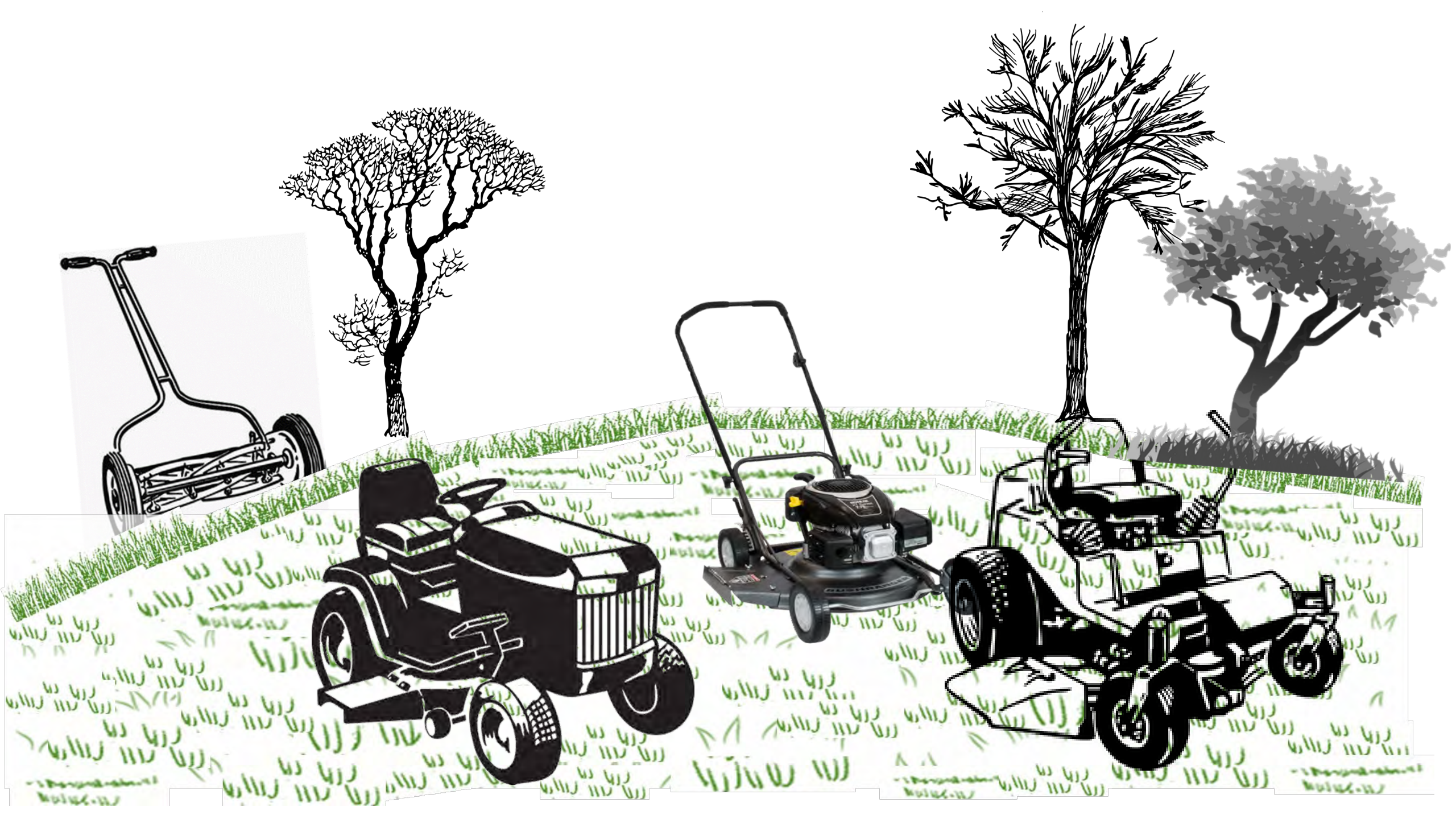
Lawn Safety

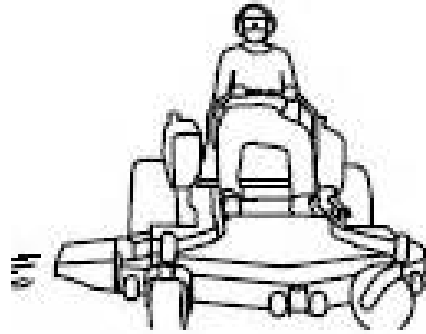
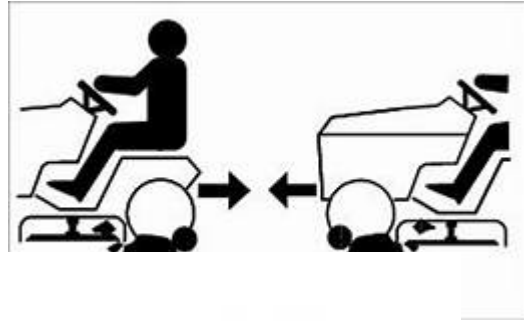
- When using a weed trimmer, disconnect power before working on a stuck line.
- Always wear goggles!!
- They are notorious for throwing stones!





...s of bleeding—
...ply pressure.





[Husqvarna RZ4619 CA, 966503401 User Manual \(manualmachine.com\)](http://manualmachine.com)



Save Your Shoes/Feet.

Mow Across A Hill With A Push Lawn Mower.
Never Mow Up and Down.





Heat Stroke



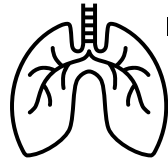
Look For:

- Fever 103-105

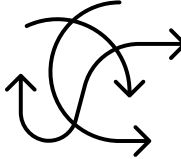
- Pulse Fast



- Rapid Breathing



- Confusion



- Loss of consciousness



Seek Medical Help!



CALL 9-1-1



Heat Exhaustion

Look For:



- Dizziness
- Lightheaded
- Headache



- Feeling Weak/Tired



- Sweating

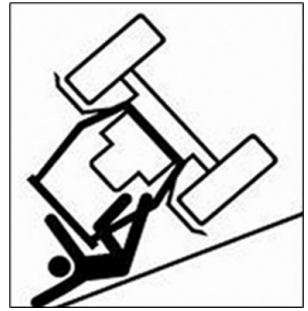
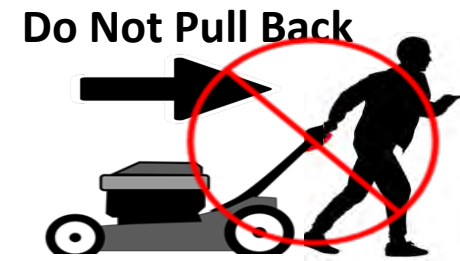


- Chills/Goose Bumps

- Nausea



Water/Cool/Rest!



According to the National Fire Protection Association, every year there are about 2,400 fires in American homes that start from gasoline stored in the home. And most of the time, “stored in the home” means in an attached garage. The problem with storing your gas in an attached garage is that it’s closer to ignition sources like a pilot light of a furnace or hot water heater, and if a fire does start, it can quickly

want to build an entire out-building just for storing you to store liquid flammables and can be set up outside y

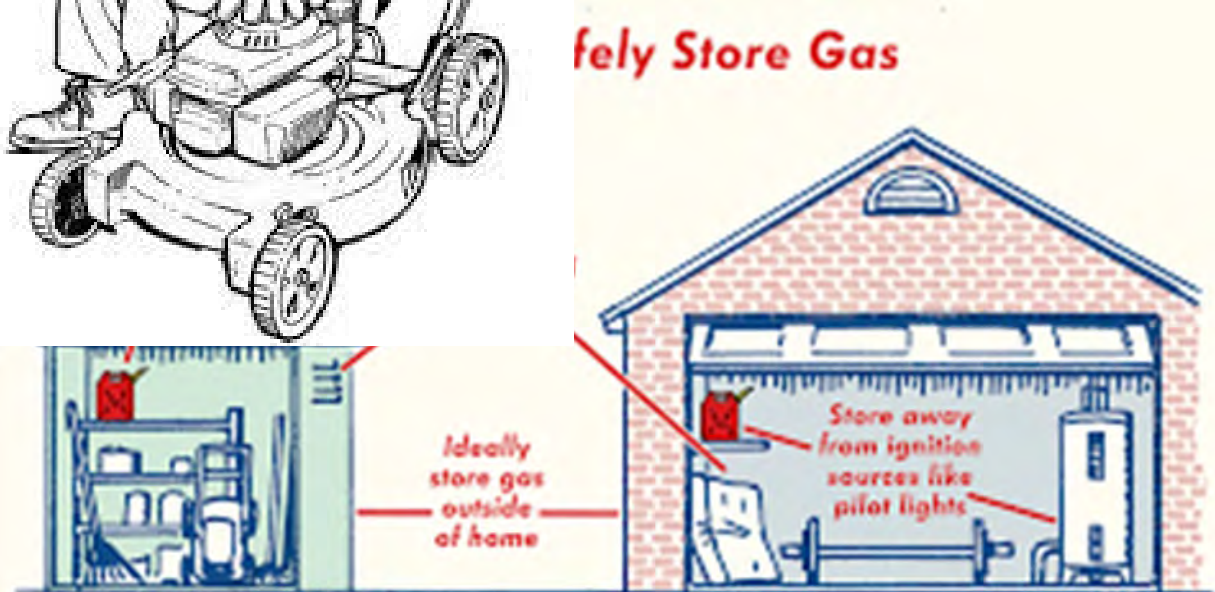
Store gas in a well-ventilated and cool area away from a your gas in a detached shed or your attached garage, you (shouldn’t get hotter than 80 degrees Fahrenheit), at lea

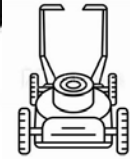
Keep a fire extinguisher near the gas storage area.



el safety cabinet that’s designed

ach of children. Whether you store a is well-ventilated, fairly cool sour

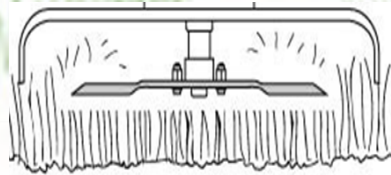




Handwritten text at the top of the page, possibly a title or introductory sentence, written in a cursive script.



A large area of the page filled with dense, handwritten text in a cursive script, likely a continuation of the text from the top or a separate section. The text is written in a consistent style and covers most of the lower half of the page.



<https://www.healthychildren.org/English/safety-prevention/at-home/Pages/Lawnmower-Safety.aspx>

[Riding Lawnmower Safety – Ag Safety and Health \(extension.org\)](https://www.healthychildren.org/English/safety-prevention/at-home/Pages/Lawnmower-Safety.aspx)

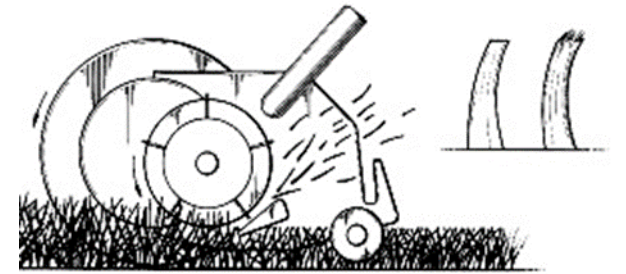
Keeping young children safe around lawn mowers

No matter who is mowing, precautions need to be taken to protect younger children. Here are ways to keep young kids from being injured by lawn mowers:

- Pay attention to where children are while the lawn is being mowed. Don't allow them near the area being worked on. Keep children indoors while mowing is being done.
- Never let anyone, including a child, ride as a passenger on a riding mower. Lawn mowers are made to carry one person only. Also, don't let children be towed behind the mower in a cart or trailer.
- Teach kids that the lawn mower is not a toy. They should not play with it or sit on it, even when it is turned off and in storage.

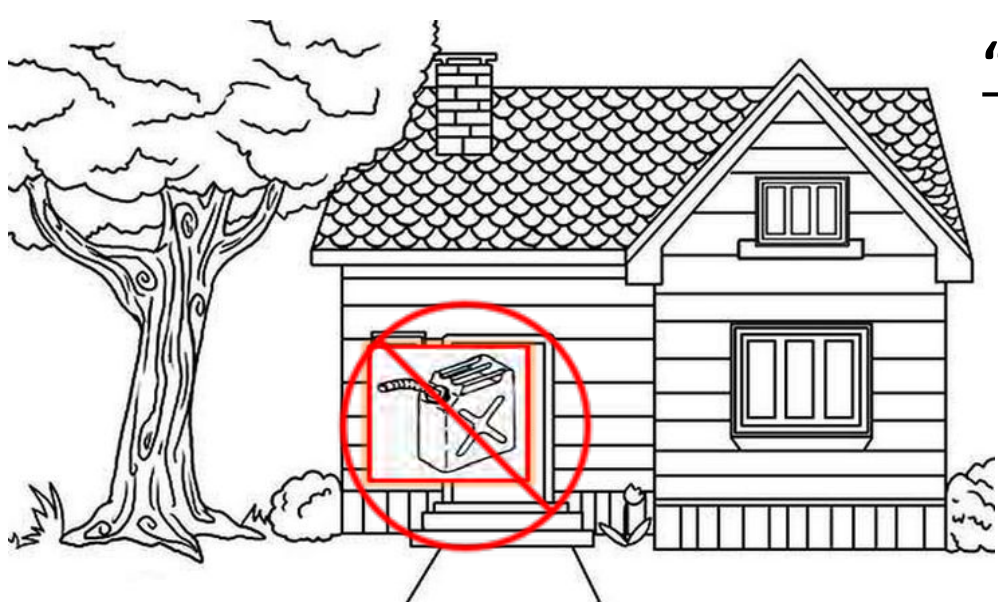


A Reel Mower is a mower in which the blades spin vertically (north to south) and use a scissoring action to cut the blades of grass. A reel mower should have between three and seven blades, depending on the model type.



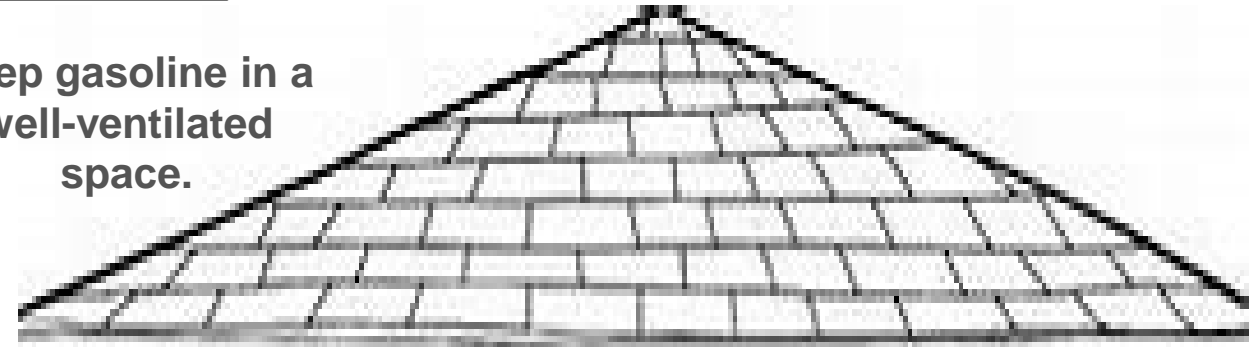
[Suggestions for Lawnmower Safety \(psu.edu\)](https://www.psu.edu)

“Think Fire Safety” --- When Storing Gasoline.

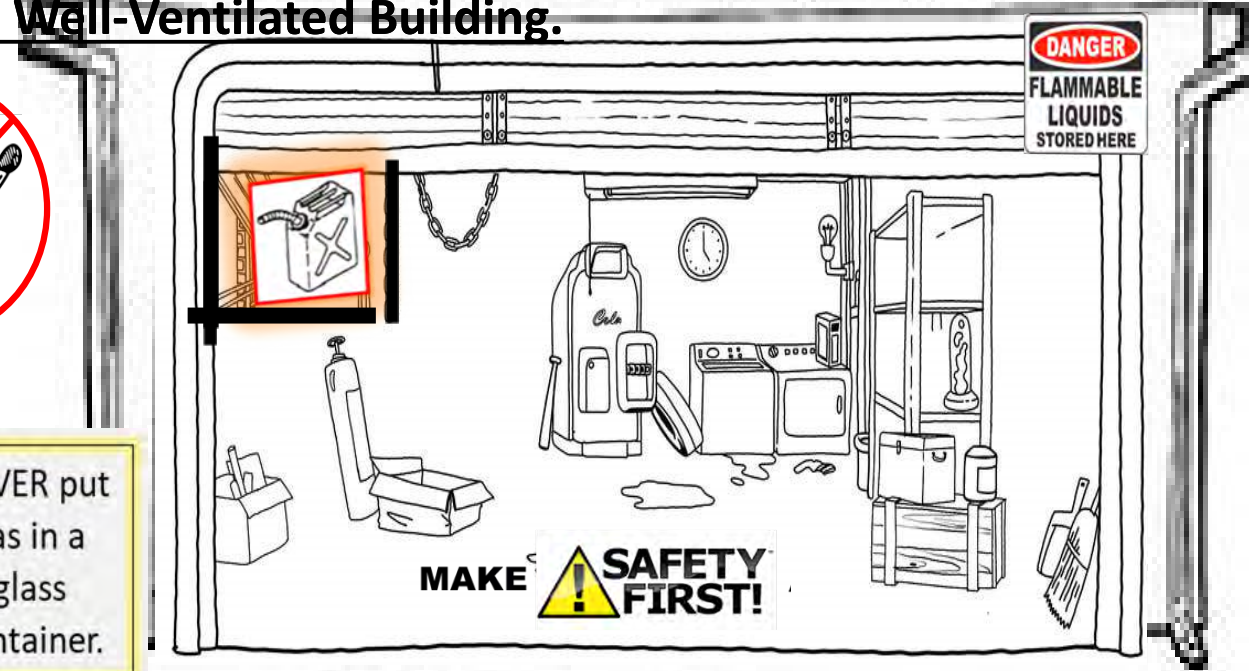
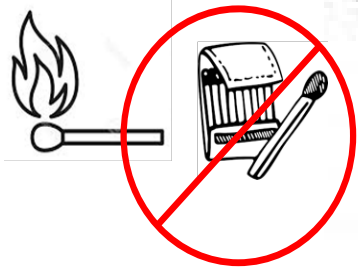
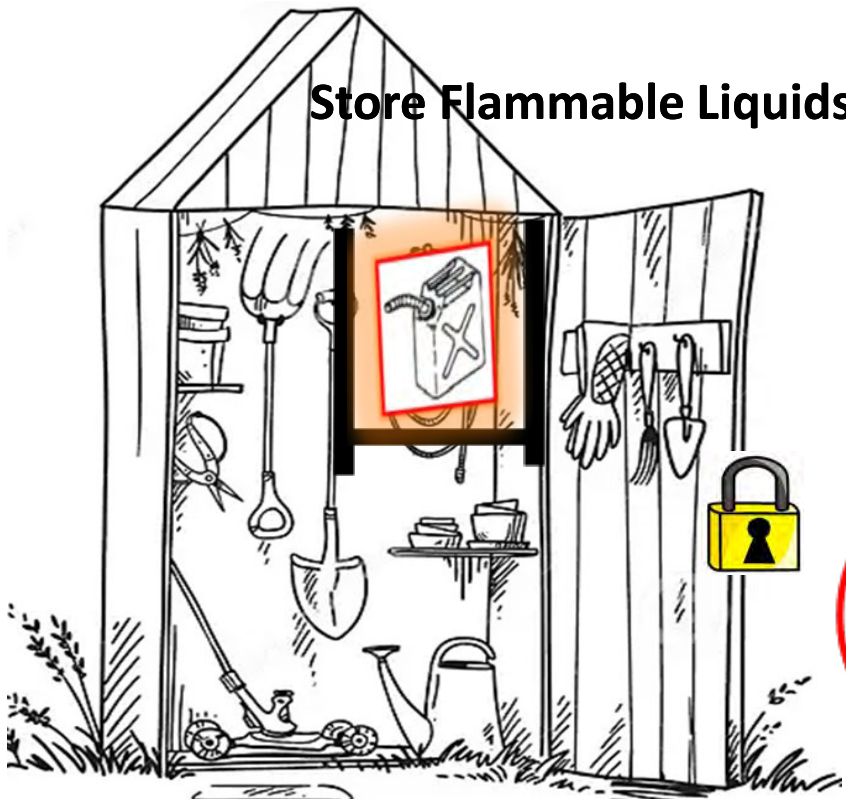


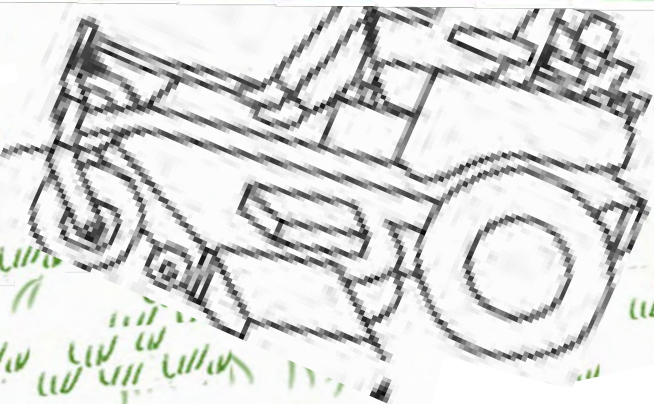
If Possible, Not In Attached Garage.

❖ Keep gasoline in a well-ventilated space.

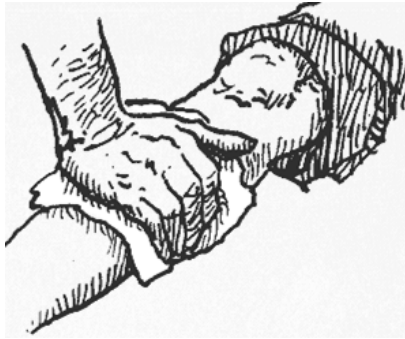


Store Flammable Liquids in a Separate Well-Ventilated Building.









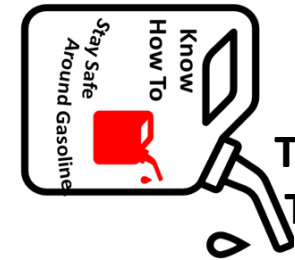
Learn How To Stay Safe Around Gasoline!



MAKE



The vapor of one cup of gasoline has the explosive power of about five pounds of dynamite. Ka-boom!



Did You Know—
That 1 Cup Of Gasoline Has The Power Of About 5 lbs. of dynamite?

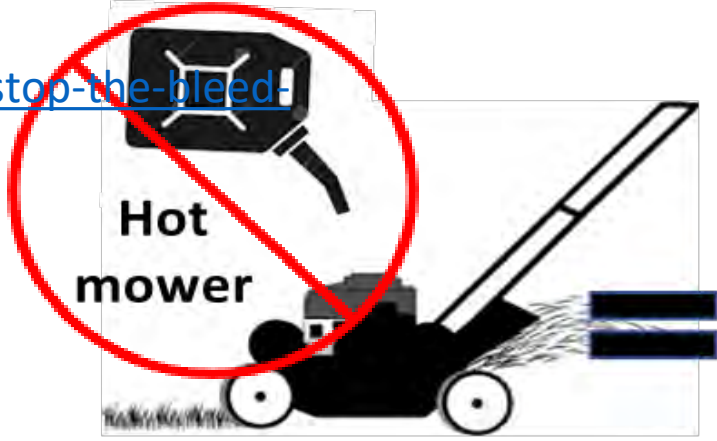
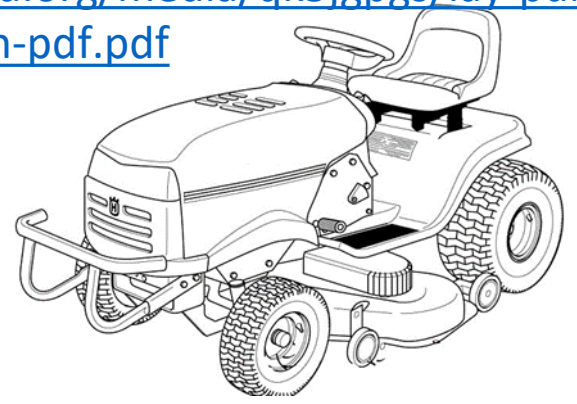
Note: One gallon of gasoline combined with the correct amount of air is equal to

83 pounds of dynamite?

It's **NEVER SAFE** To Fill a **HOT LAWN MOWER** WITH GAS.



stopthebleed.org/media/qk5jgpgs/lay-public-stop-the-bleed-presentation-pdf.pdf



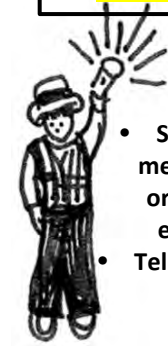
Remember:



- No extra riders
- Wear protective equipment
- Mow up and down slopes with a riding mower.
- Mow across with push mower.
- Keep your hands and feet away from the blade.
- Keep children away when someone is mowing.
- Stop the mower when ever someone comes near.
- Never pull a push mower backwards.
- Never reverse when using a riding mower.



Tell the 9-1-1 operator what township or borough you are calling from!



- Send someone to meet the ambulance or fire trucks at the edge of the road.
- Tell them where they are needed.



Emergency Response



My name is: _____

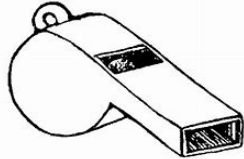
My address is: _____

The Township/Borough I am calling from is: _____

The two roads close to my home/farm are: _____ & _____

- What to do in an emergency:
- ✓ Call 9-1-1
 - ✓ Stay at the phone
 - ✓ Send someone to meet the responders
 - ✓ Wear a safety vest and swing a flashlight
 - ✓ Provide CPR and/or first aid as needed

Keep Safety Equipment Available!



Drink every hour!

Lots of bleeding—apply pressure.

Put this emergency information card near your phone, so when you call 9-1-1, you will have the information needed to get help quickly!

Department of Health
1-PA-HEALTH for Rabies etc. 24 hrs./day

Remember:



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- Wear protective equipment
- Mow up and down slopes with a riding mower.
- Mow across with push mower.
- Keep your hands and feet away from the blade.
- Keep children away when someone is mowing.
- Stop the mower when ever someone comes near.
- Never pull a push mower backwards.
- Never reverse when using a riding mower.

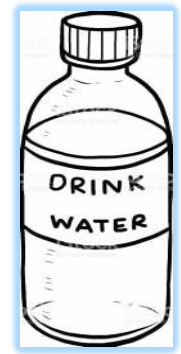


Keep Safety Equipment Available!

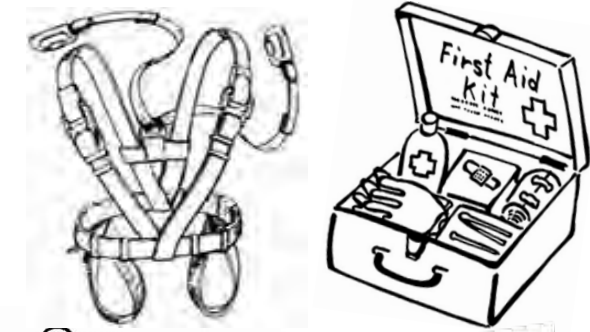
Prevent Heat Stress

Symptoms of Heat Illness include:

- Dizziness
- Headache
- Sweaty skin
- Nausea/vomiting
- Weakness
- Chills
- Cramps
- Fast heartbeat

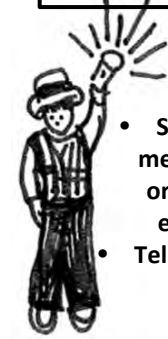


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Emergency Response



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 - ✓ Provide CPR and/or first aid as needed

Department of Health
1-PA-HEALTH for Rabies etc. 24 hrs./day

Lawn Mowers & Outdoor Power Tools Are Very "Dangerous".



Did You Know?



receive

It's estimated, that Yearly in the US, **77** people die & **87,600** injured children/adults receive an emergency room.



Dr. Theodore Ganley, MD, FAAOS, Orthopedic Surgeon with the Children's Hospital of Philadelphia.



"Lawnmower injuries are largely preventable, but despite increased awareness, my colleagues and I continue to see a significant number of cases".

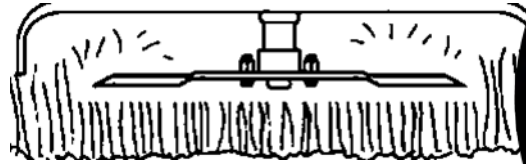
According to the American Academy of Pediatrics (AAP), more than 9,000 children a year are treated in an ER. The majority were 3-5 years old.

Injuries included:

- Burns after touching hot lawn mowers
- Flying objects because blades spin at 3,000 rpm.
- Many of these injuries result in some degree of amputation.



Lawn Mower Injuries & Deaths Can Be Prevented?



Penn State Extension, Lancaster
1383 Arcadia Road, Rm 140
Lancaster, PA 17601
Office: 717-394-6851
Home: 717-665-6219
Penn State Volunteer

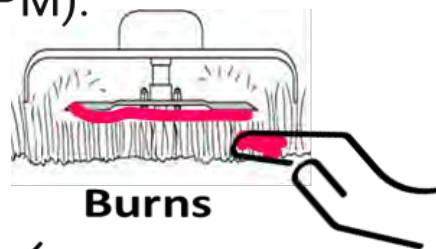
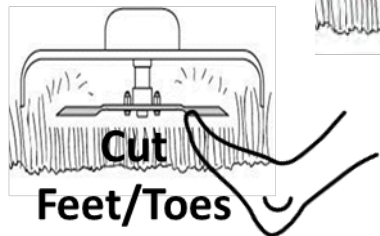


MAKE  **SAFETY FIRST!** **A Family Priority!**

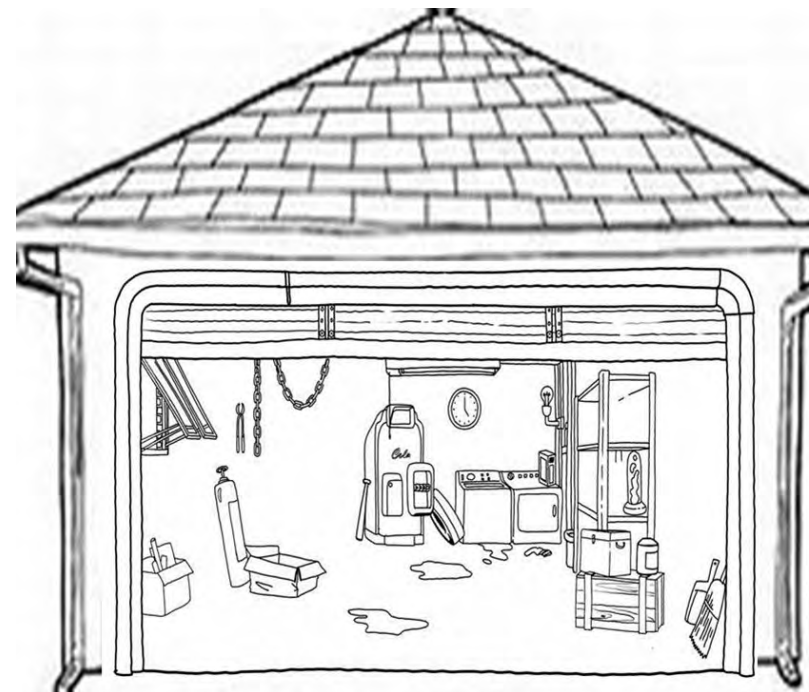
<https://www.consumerreports.org/outdoor-safety/yard-work-safety-tips>

Learn How To Take Charge Of Your.

Walk-behind mowers or riding tractors will have rotary blades that spin freely at about **3,200-3,600 revolutions** per minute (RPM).



Children & adults suffer deep cuts, loss of fingers & toes, broken bones, burns, & other injuries because of improper use of lawn mowers & equipment.

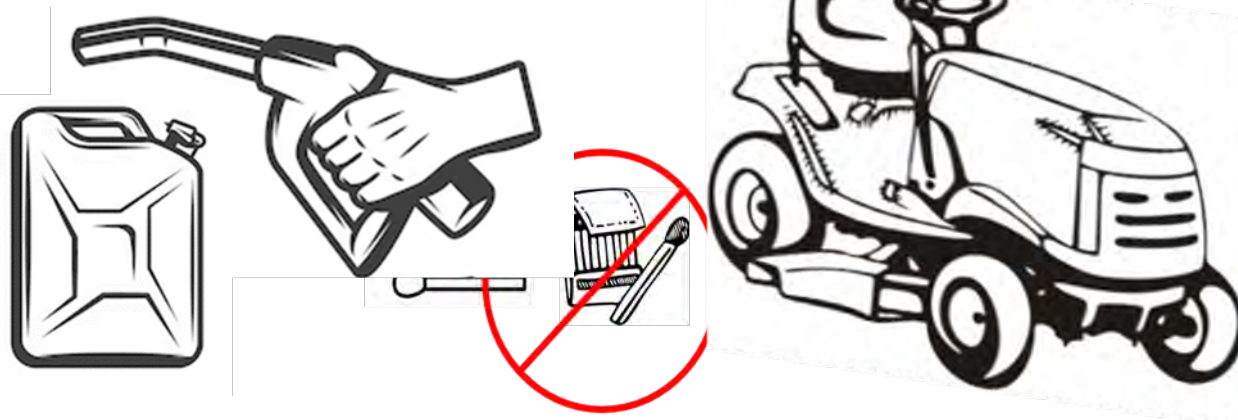


Most riding lawn mowers are more likely to tip over sideways than forward or back, so mow up and down the hill.

[Top 10 Lithium Ion Battery Storage & Safety Tips | DEWALT](#)



[Lawn Mowing – Green Man Lawn Care](#)

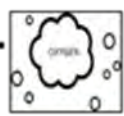


[How Fast Does A Lawnmower Blade Spin? \(Explained\) – LawnCareGrandpa.com](#)

Note: One gallon of gasoline combined with the correct amount of air is equal to



+



=

83 pounds
of
dynamite?



1. [Choose a mower wisely](#)
2. [Wear full protective gear](#)
3. [3. Avoid cutting wet grass](#)
4. [4. Do not mow at night](#)
5. [5. Keep your children in the safe place](#)
6. [Clear the way](#)
7. [Respect the instruction](#)
8. [Do not refuel right after mowing](#)
9. [Keep your mind clear](#)
10. [Maintain your lawn mower properly](#)

Remember:

**NO
RIDERS**



- No extra riders
- Wear protective equipment
- Mow up and down slopes with a riding mower.
- Mow across with push mower.
- Keep your hands and feet away from the blade.
- Keep children away when someone is mowing.
- Stop the mower when ever someone comes near.
- Never pull a push mower backwards.
- Never reverse when using a riding mower.



Lawn Mower Safety!



Save Your Shoes/Feet.

Mow Across A Hill With A Push Lawn Mower.

Never Mow Up and Down.

It's Dangerous To MOW BACKWARDS.

There Could Be Something behind You.

It's Dangerous To Backup.

It's Dangerous To MOW BACKWARDS.

There Could Be Something behind You.

You Never Know Who Or What Is Behind Your Mower.

Make Safety Your Top Priority.



<https://lawntoolsguide.com/important-lawn-mower-safety-tips-that-any-household-need-to-know/>

<https://www.uwhealth.org/news/lawn-mower-safety-tips>

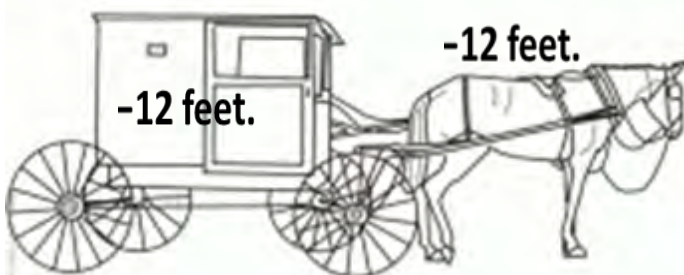
How Far Is 50 Feet?

Think About or Imagine How Far 50 Feet Is By:

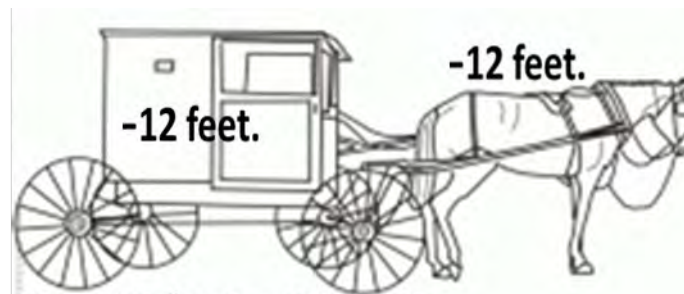
- Imaging How Many Cars, Trucks, or Buggies = 50 Feet.



50 Feet

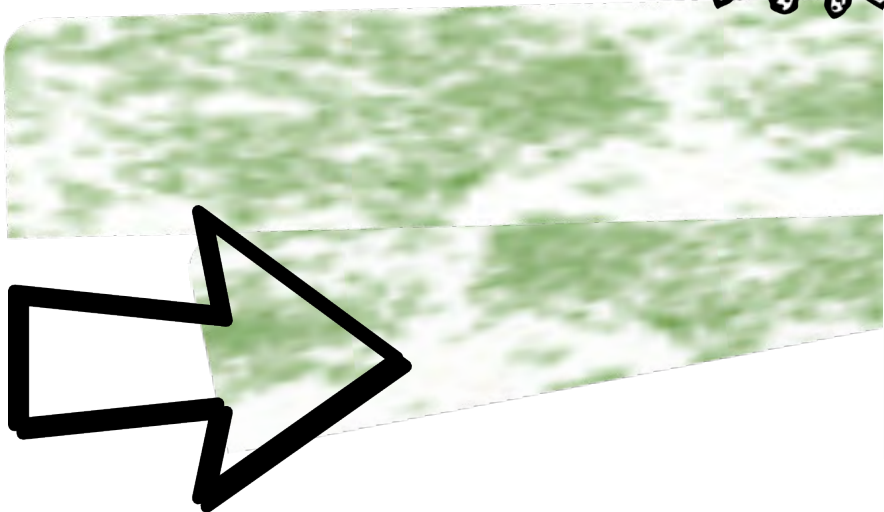
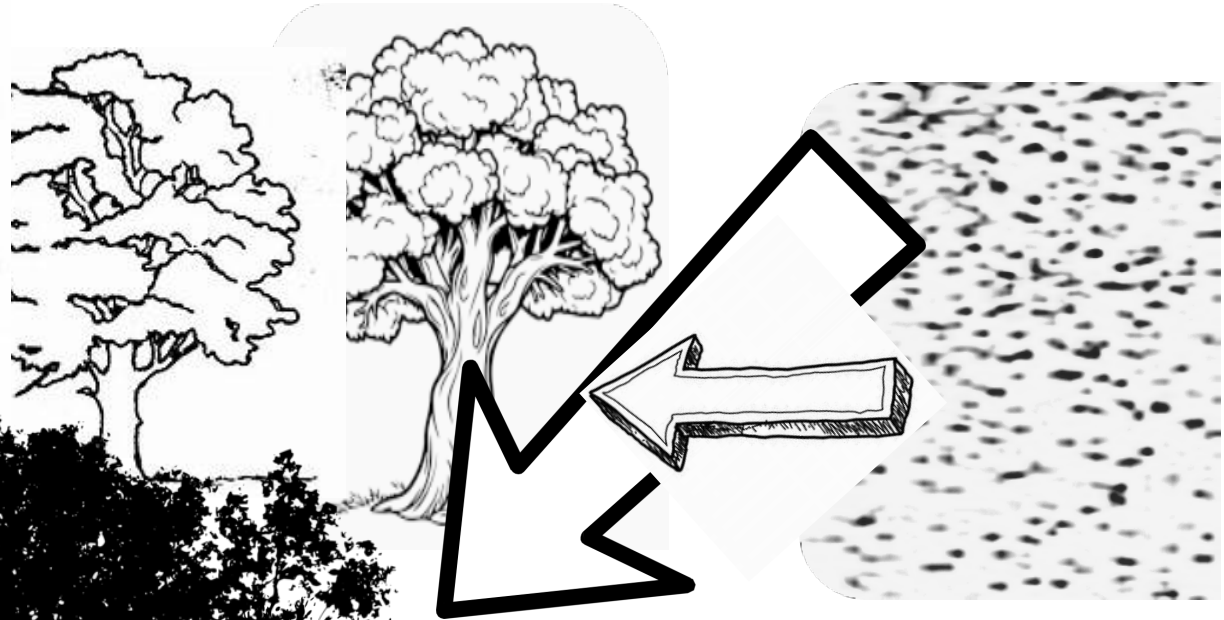


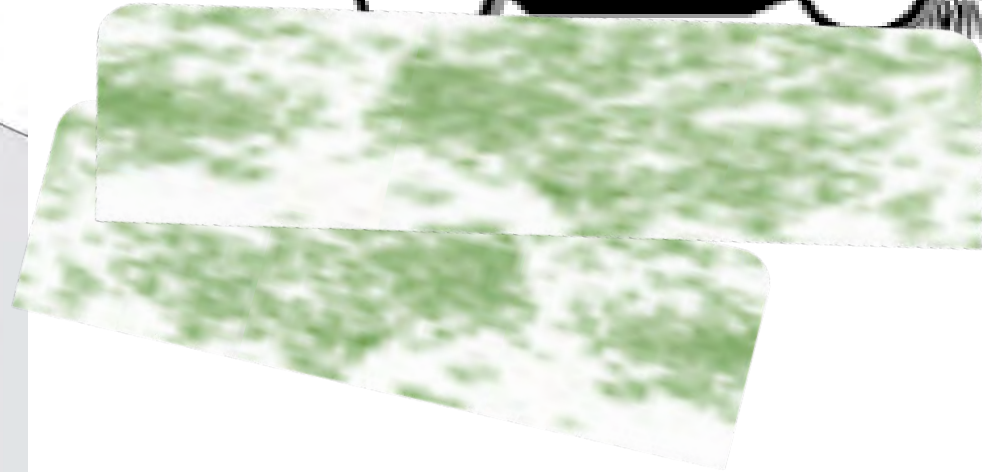
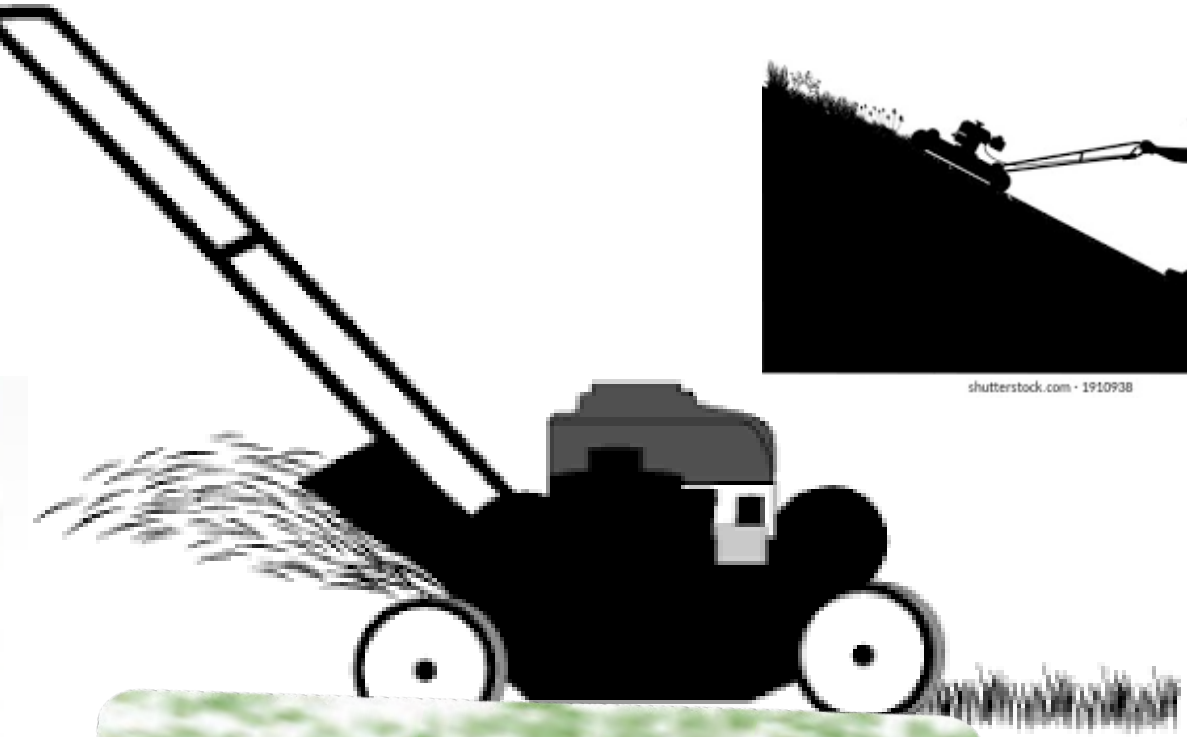
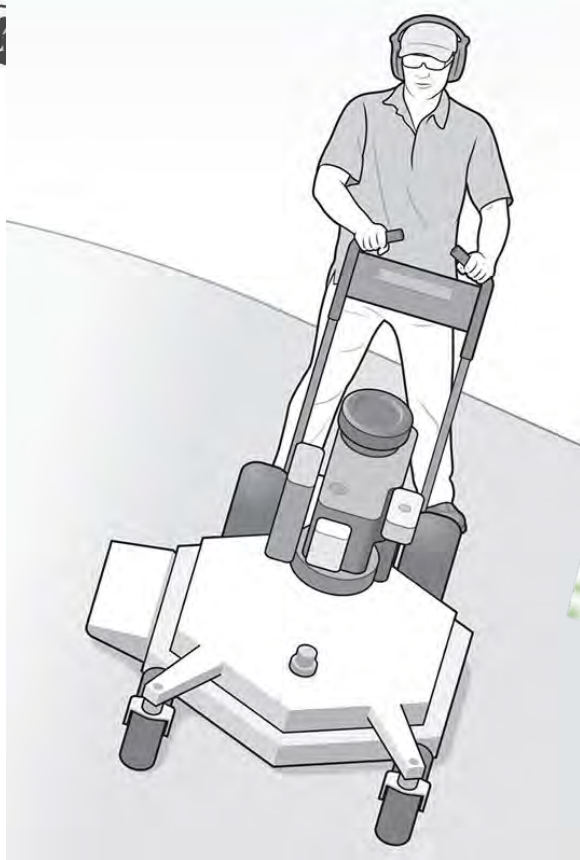
12 + 12 feet = 24 feet.

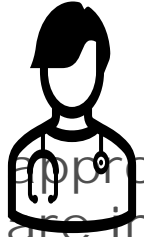


12 + 12 feet = 24 feet.

Medium Size Car	Little over 3 cars = 50'
Pickup Truck	Little Over 2 Pickup Trucks = 50'
Horse & Buggy	2 Horse & Buggies = 50'





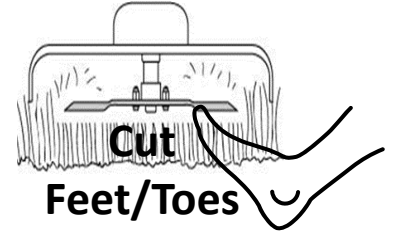


SAFETY FIRST!

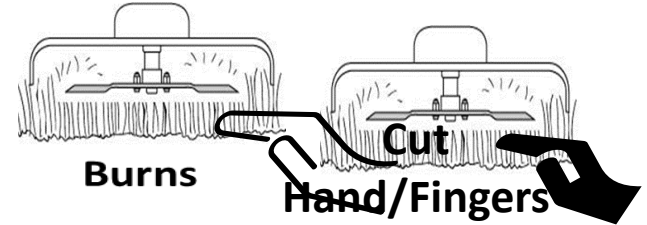
"Lawnmower injuries are largely preventable, but despite increased awareness, my colleagues and I continue to see a significant number of cases".



Shoe/Foot Injury



Cut Feet/Toes



Burns

Cut Hand/Fingers

Approximately 9,400 children are injured by lawnmowers per year in the United States. Lawnmowers cause 12% to 29% of all pediatric traumatic amputations in the United States [ii] [iii] [iv] and are a leading cause of hand and foot amputations.



Dr. Theodore Ganley, MD, FAAOS, orthopedic surgeon with the Children's Hospital of Philadelphia.

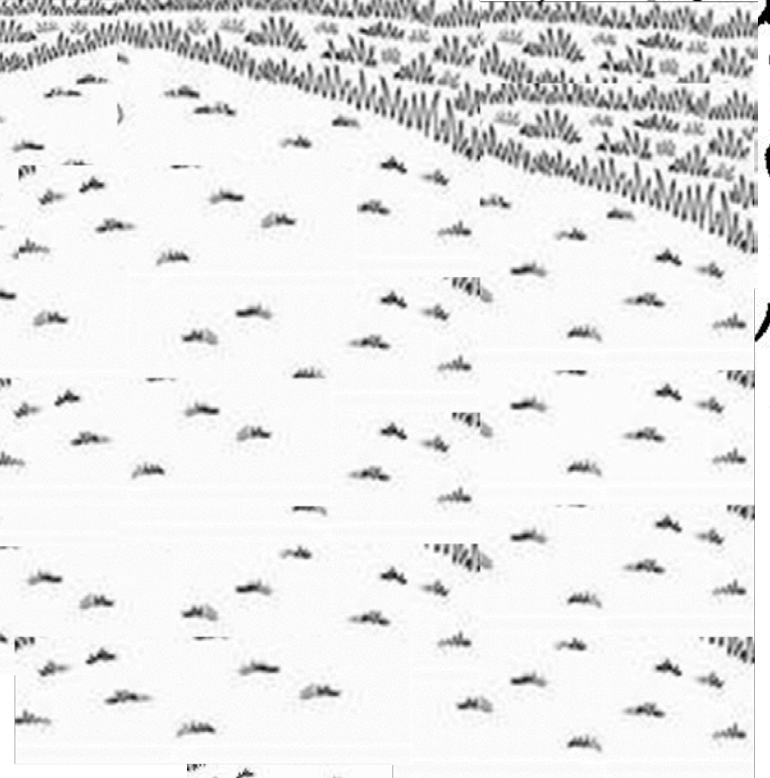
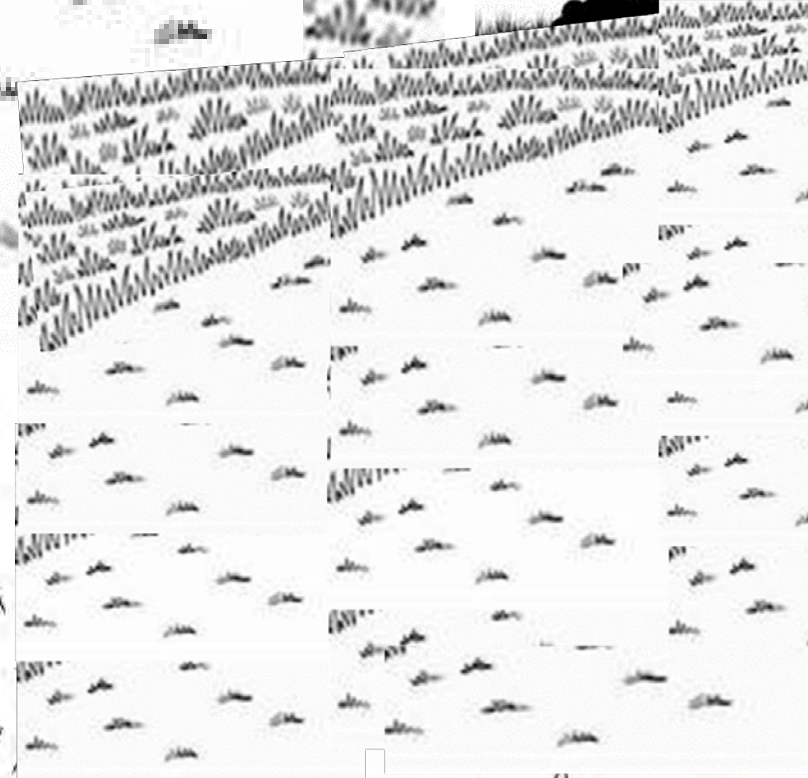
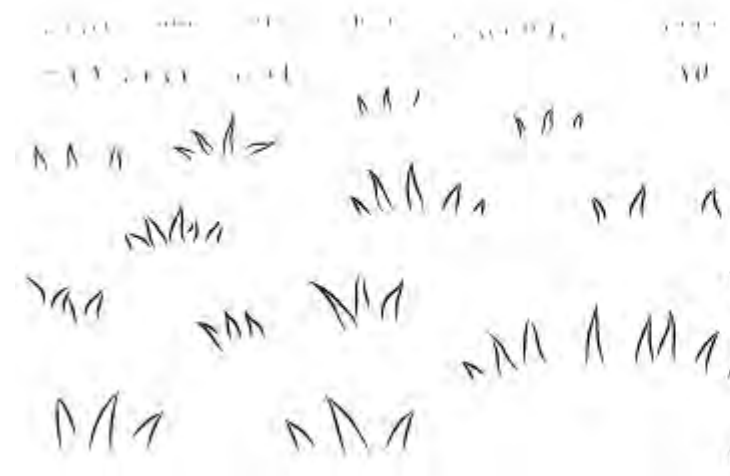
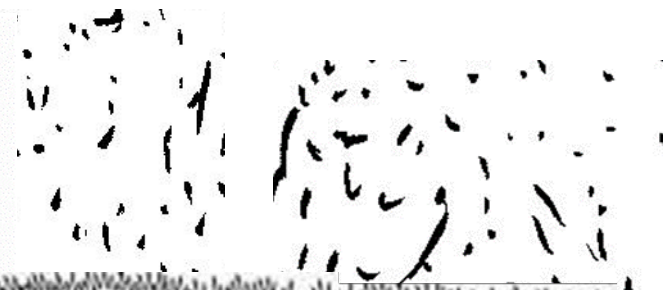
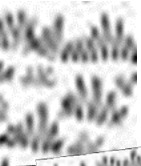
<https://www.consumerreports.org/outdoor-safety/yard-work-safety-tips/>

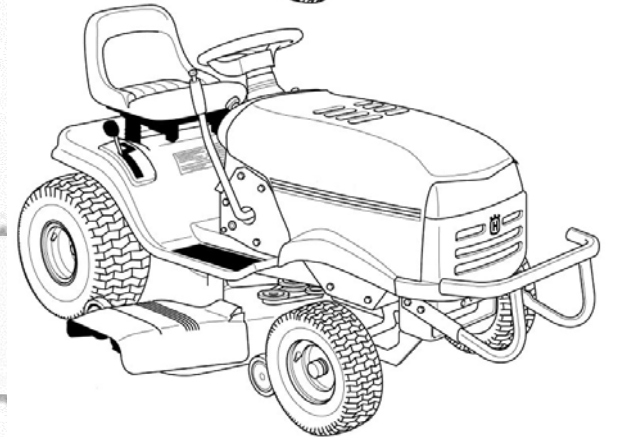
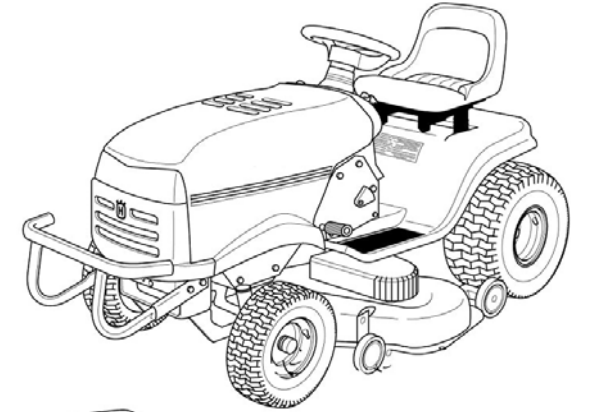
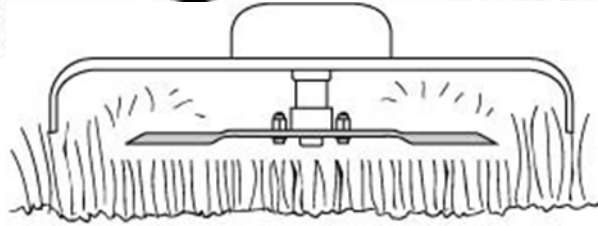
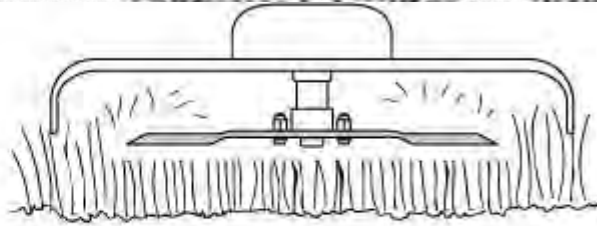
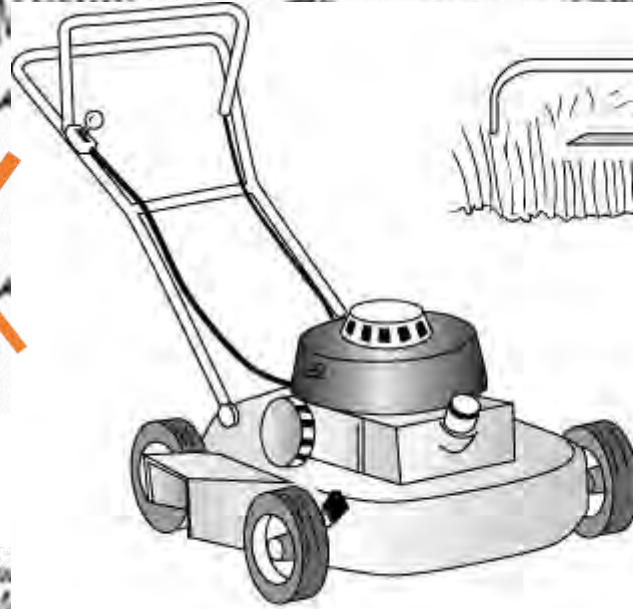
It is estimated that each year there are 87,6000 children & adults who are injured by a lawn mower incident needing medical treatment. Did you know that there are approximately 77 deaths per year.

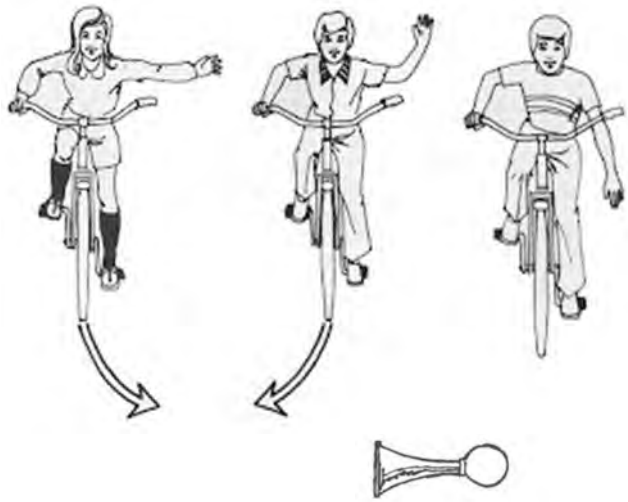


<https://www.aaos.org/aaos-home/newsroom/press-releases/lawnmower-injuries-remain-prevalent-for-children-de>

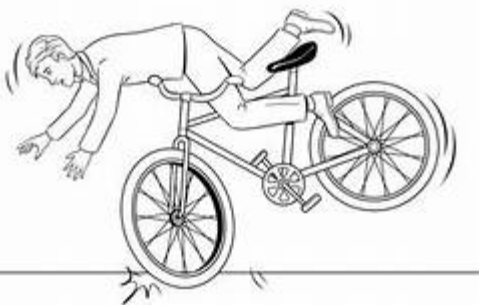








Typical pattern of injuries affecting upper leg (1), chest/abdomen (2), and head (3)



shutterstock.com · 1051928009



Figure 15: Bicycle Injuries
Abdominal injuries from handlebar impact, followed by head injuries from fall

SUZAN GILBERT

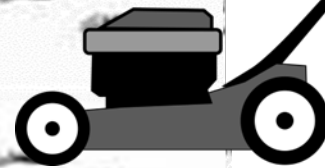
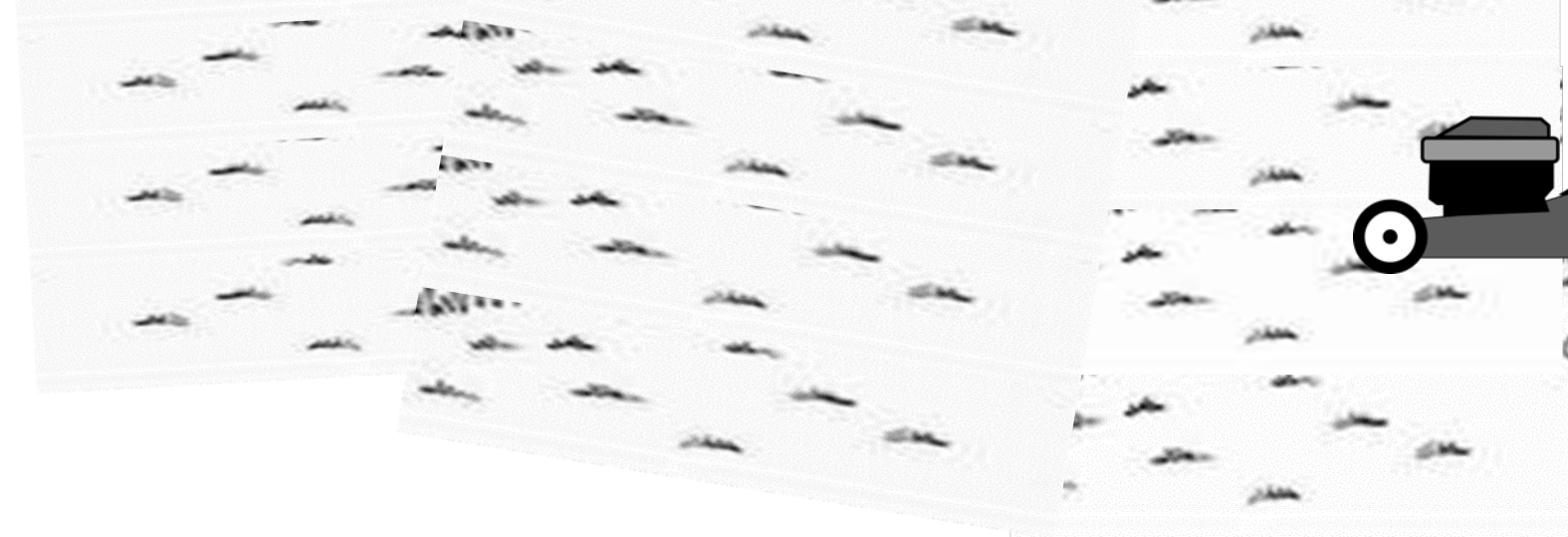
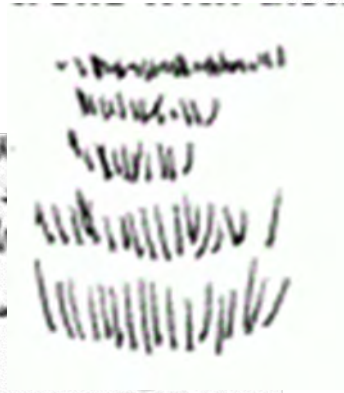
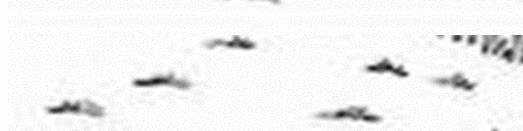
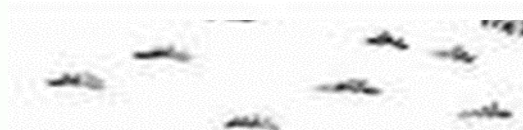
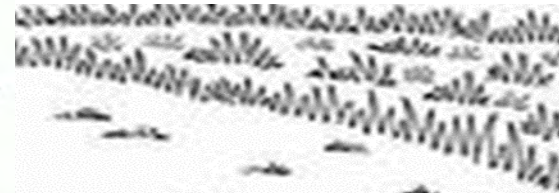
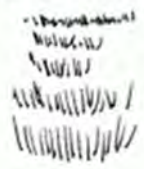




Basic Grass Stroke



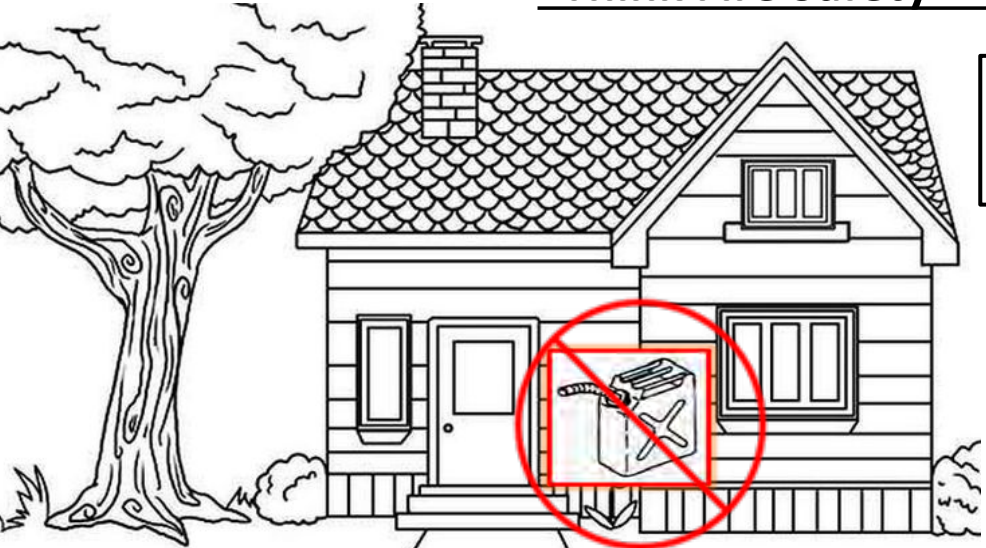
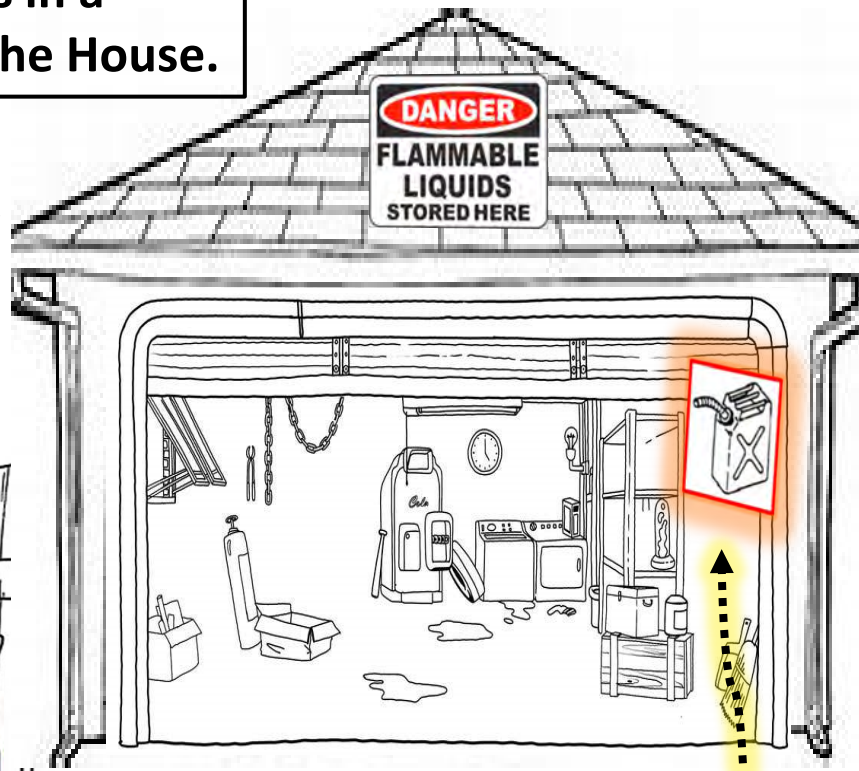
Change size of stroke with distance





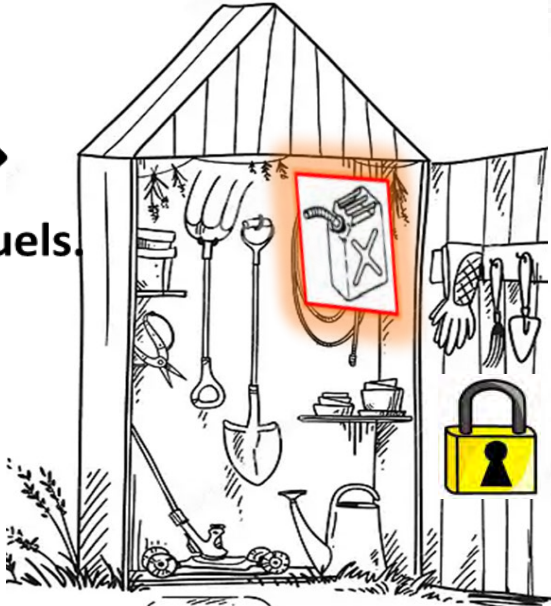
"Think Fire Safety" --- When Storing & Using Flammable Fuels.

Store Flammable Liquids in a Separate Building, Never in the House.

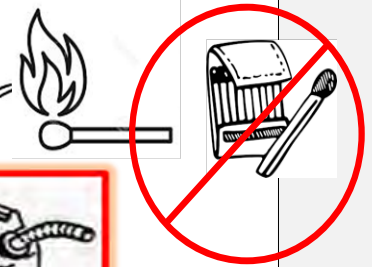
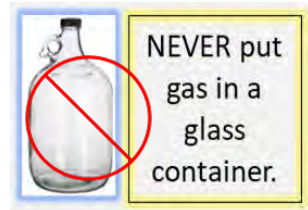
❖ Keep the gasoline in a well-ventilated space away from your house



- ❖ Gas fumes can't be seen with your eyes. 
- ❖ Never cause a spark or light a match near liquid fuels.
- ❖ Gas fumes can explode  & cause a fire.

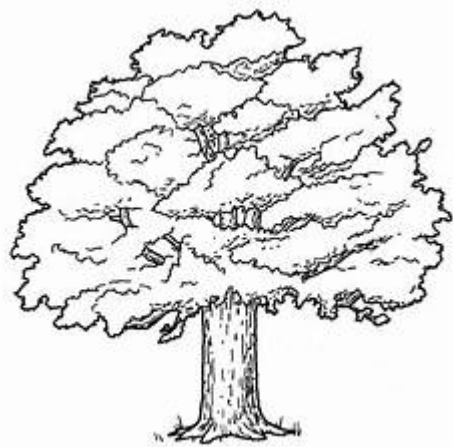
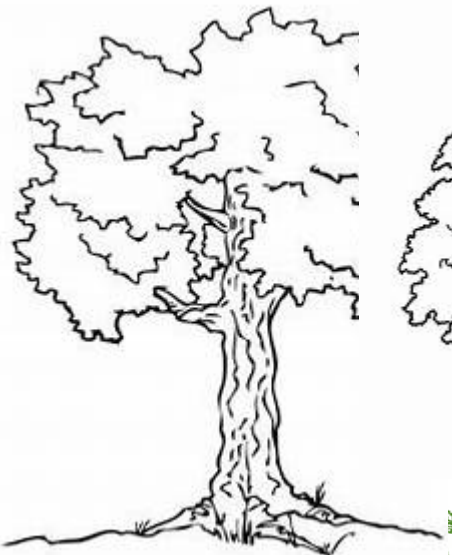


❖ Select containers that are specifically marked for gasoline.

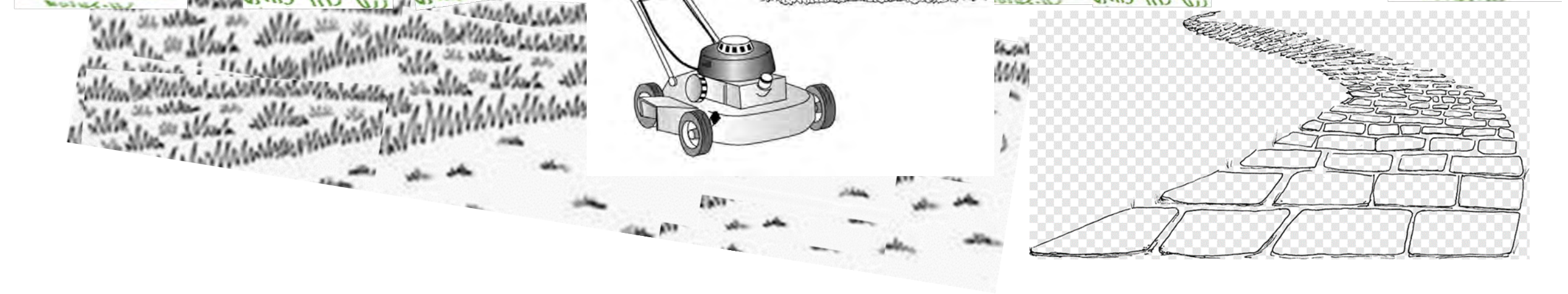
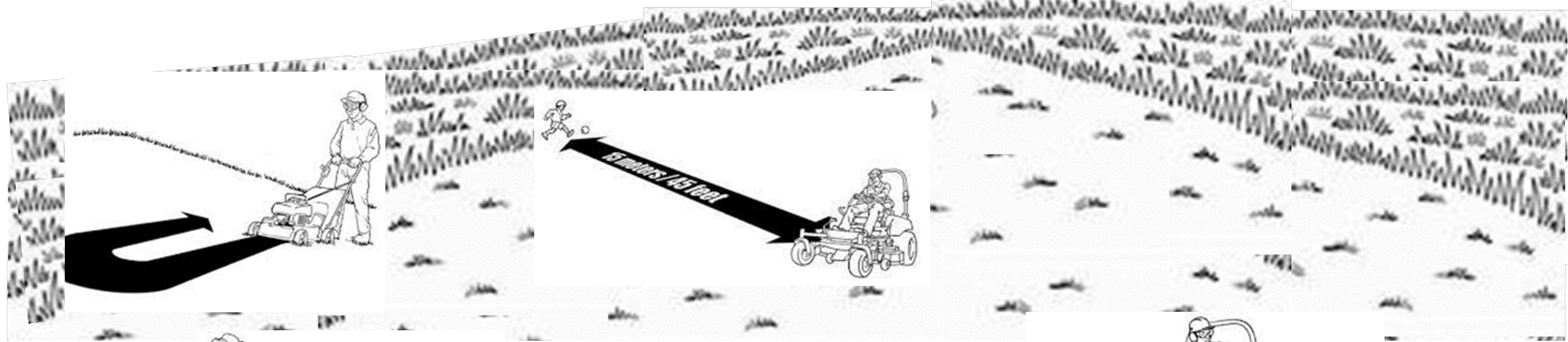


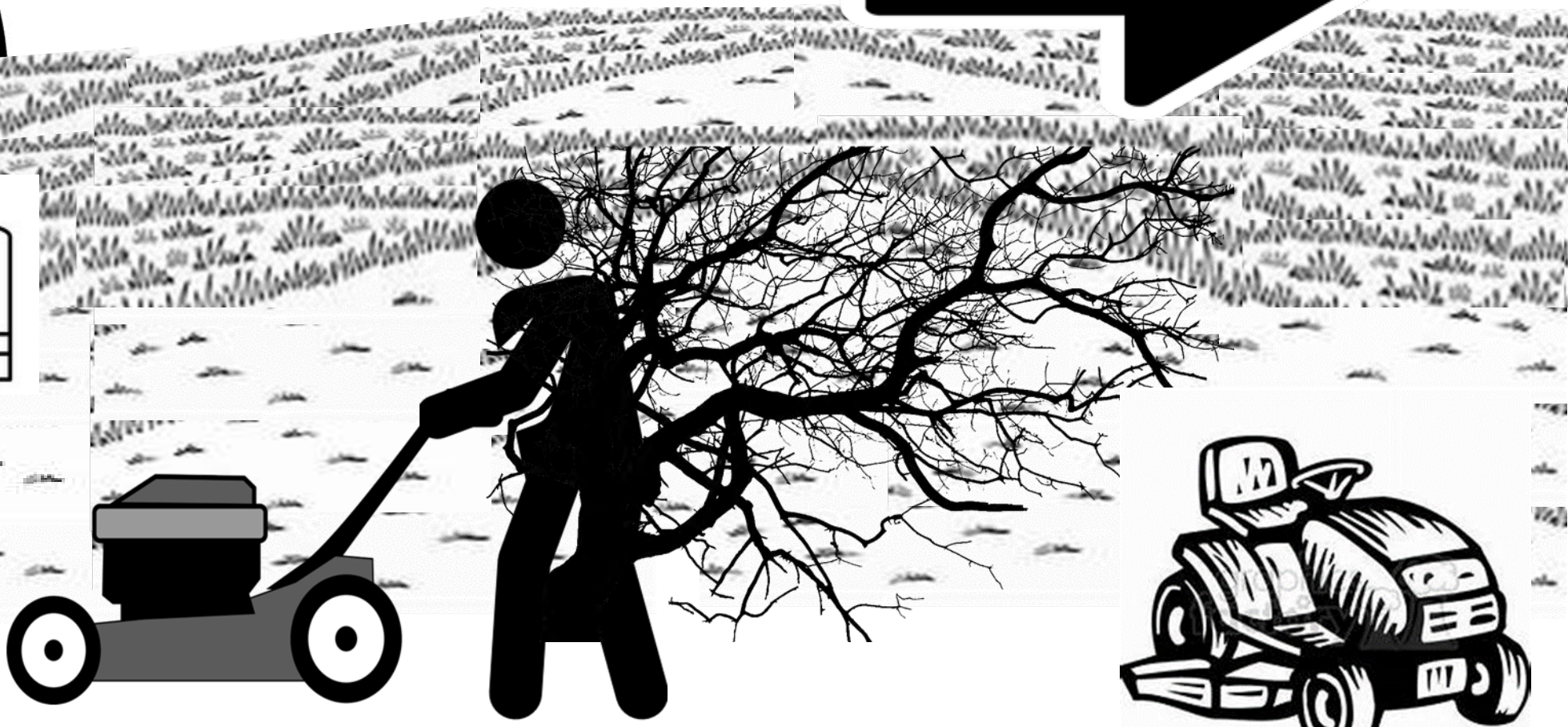
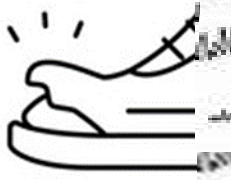
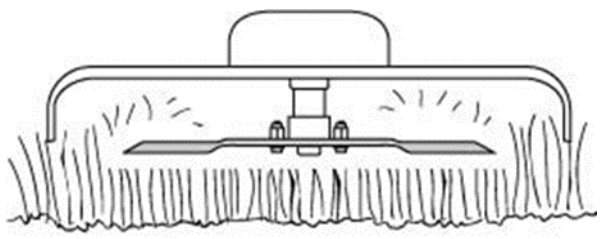
❖ Store gasoline in a locked storage area out of reach for children.











Handwritten text in a cursive script, possibly a signature or a decorative header, located at the top of the page.

