

JESSY'S SMART KIDS

More Farm-Safe Fun

Silage

Quad-Bikes

Crossword

Experiment



SILAGE

Silage is grass cut in spring and summer which can be stored in large pits or rolled into bales to feed livestock over the winter months.

HOW IS IT MADE?

The cut grass is stored in a pit and flattened. It is then covered and weighed down by tyres. Silage can also be baled and wrapped.



Bales are not for climbing on, they're my dinner!

WHAT HAPPENS THEN?

The covered grass is preserved by the process of fermentation which is carried out by tiny organisms living in the grass. (See our science experiment on the back page for more on this.)



Cian Calf

REMEMBER SILAGE SAFETY FOR EVERYONE!

1. Yards are extra busy with large machinery.
2. Remember the tractor and trailer blind spots!
3. There is the danger of overturning in pits with high machines and with workers tipping trailers.



UNSCRAMBLE THE LETTERS TO WORK OUT WHAT IS USED DURING THE SILAGE SEASON

WROME

IPT

LBARE

AILTRER

PREWPRA

VETESHARR

FARM SAFE SUMMER CHECKLIST

Cut out & pin up our top tips and make 2020 a farm-safe summer for the **whole family!**

- CHILDREN**
1. **NEVER** visit a farm alone!
 2. Learn your Eircode off by heart.

- FARMERS**
3. When a big job is planned make the farm a 'No Go Zone'.
 4. Place signage to highlight farm dangers to everyone.

- PARENTS**
5. Create a play area, away from the farm yard for younger children.
 6. Only permit jobs that are age-appropriate for older children.



QUAD BIKES

Quad bikes, also known as 'all-terrain vehicles' (ATVs) help farmers transport food to animals, check on livestock and fields.

QUAD SAFETY - REMEMBER YOUR A.T.V.S

Age Are you 16 years old?
Typical quads used on farms are for people aged 16 years or over and one rider only!

Training You should have proper training before using a quad bike.

Visual Inspection Farmers must check tyres, electrics, fuel, water, oil and for any damage!

Safety Equipment

Wear Personal Protective Equipment, (P.P.E.):
Helmets protect from serious injury. Boots, long sleeves and gloves also offer protection.



Pic. Noel Guinan www.cbtgroup.ie

WARNING

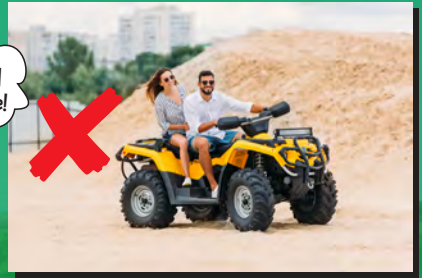


Quad bikes are not designed to carry passengers as they add weight to the vehicle, making it harder to control and more likely to tip over!

Always remember your ATVs!



Oh no these could be in trouble!



WHAT TO WEAR

Help our quad bike user find their P.P.E. items from the list and draw them onto the sketch.

- A tutu
- Strong boots
- Helmet with visor
- Baseball cap
- Long trousers
- Gloves
- Flip flops
- Long sleeve shirt



CROSSWORD

Can you solve the crossword?
CLUE: the answers are in the newsletter!

ACROSS

- Cut grass that is stored on farms for winter feed?
- Important piece of P.P.E. when using a quad?
- F_____ occurs once silage is covered and sealed.



Stay back from moving machinery.



Patrick Piglet

DOWN

- Silage can be stored in a pit or b_____.
- Age to ride a typical quad used on a farm?
- Keep away from m_____ machinery.

Science Corner

FERMENTATION

Fermentation is when bacteria, yeast or micro organisms break down substances, eg. sugar and create heat and gas.

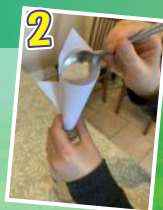
Sci: The Sci Guys, YouTube

What you will need:

- Warm water
- 3 balloons
- 1 teaspoon
- Yeast
- 3 glass or plastic bottles
- Your P.P.E.! Apron
- Sugar
- Paper triangle
- (in case things get messy!)

What to do:

- Create a paper funnel using the paper triangle.
- Insert it into each bottle and add your dry ingredients.
- Add 2¼tsp. yeast into each bottle.
- Add 1tsp. of sugar into the first bottle, 2tsp. into the second and **NO SUGAR** into the third.
- Fill two thirds of each bottle with the warm water.
- Cover each bottle and gently shake to mix the ingredients.
- Over the opening of each bottle place a balloon.
- Now store in a warm dry area for 1 hour and see what happens!



THE OUTCOME:

The yeast reacts with the sugar and water, creating gas which inflates the balloons. The bottle with the most sugar will have more gas and a bigger balloon. This is fermentation!