



# Ag Ed Quest

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**PRIMARY EDITION  
2020 CURRICULUM PACK**

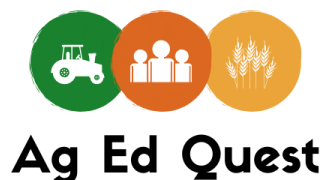


# PRE-FIELD DAYS CURRICULUM

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We have compiled some engaging and educational worksheets to contextualise the Wimmera Machinery Field Days for students. An answer booklet has also been developed.

In addition to the worksheets, some educational videos regarding life on the farm have been listed below for your review and use in the classroom, as well as a list of additional resources available online.



58th Annual  
**Wimmera  
Machinery  
Field Days**  
3,4,5 MARCH 2020



**Ag Ed Quest**

**PinAg**  
Partners in Ag



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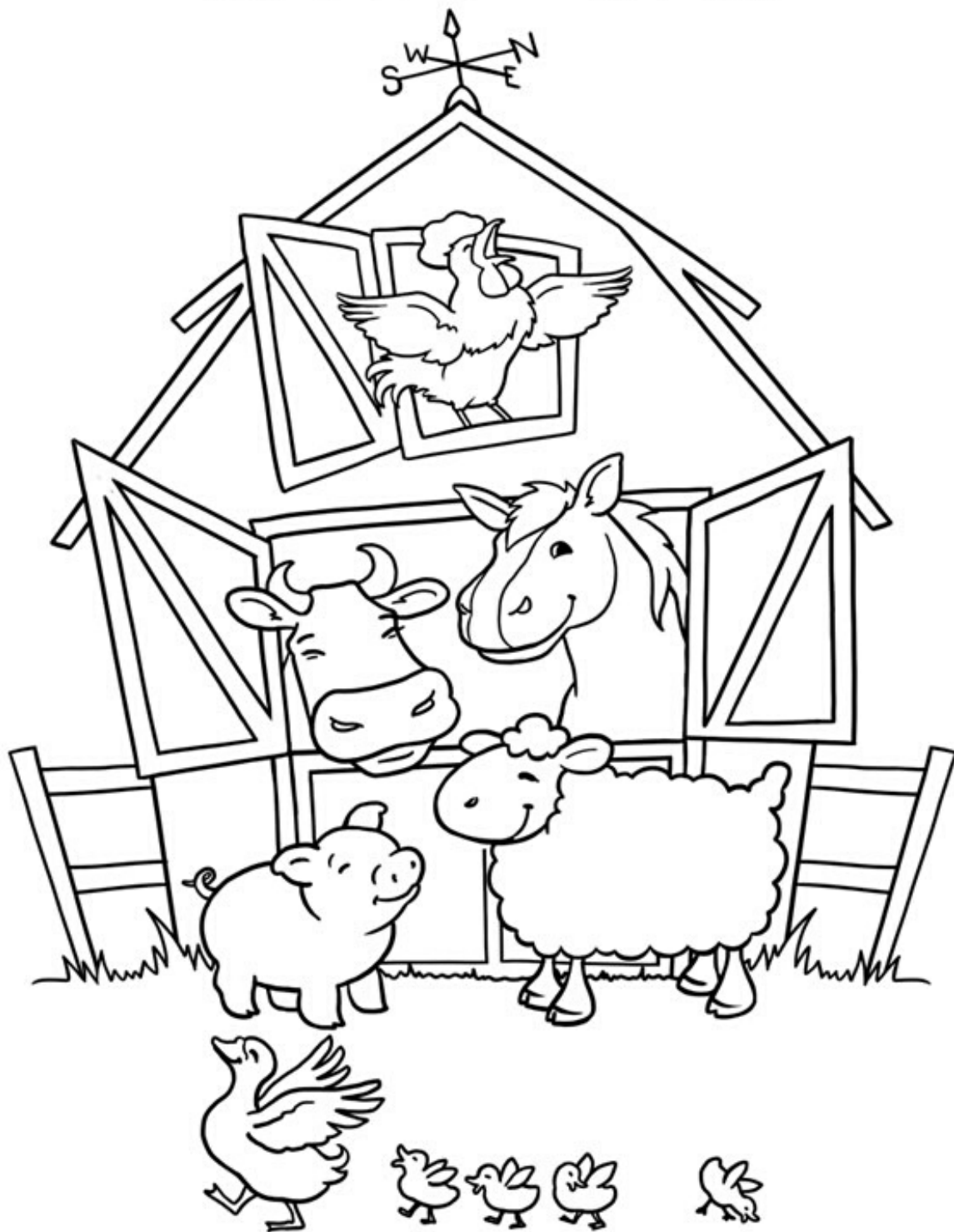
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NAME:

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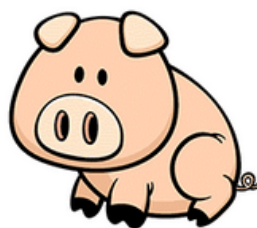
## Ag Ed Quest

- ☐ he
- ☐ she
- ☐ we
- ☐ they



- ☐ have
- ☐ has

a



- ☐ cow
- ☐ pig
- ☐ sheep
- ☐ horse

- ☐ he
- ☐ she
- ☐ we
- ☐ they



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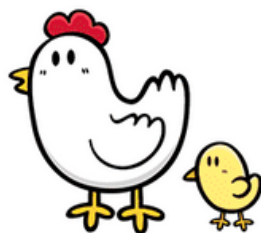
- ☐ cow
- ☐ pig
- ☐ sheep
- ☐ horse

- ☐ I
- ☐ she
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- ☐ have
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- ☐ cow
- ☐ pig
- ☐ hen
- ☐ horse

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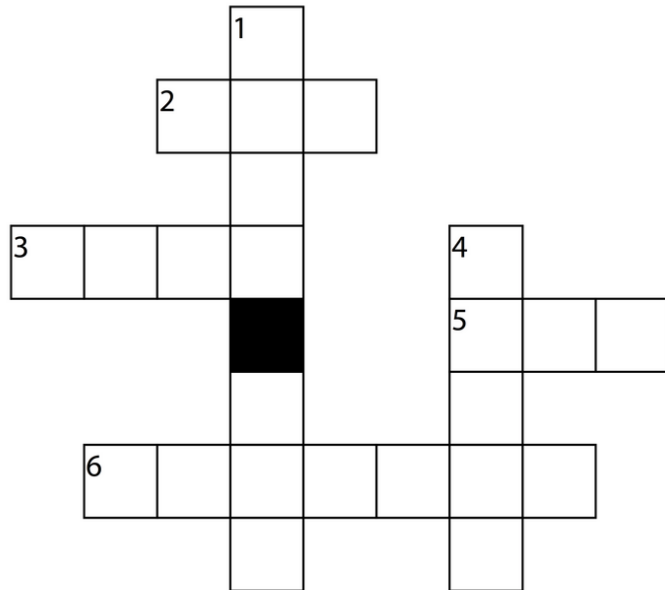
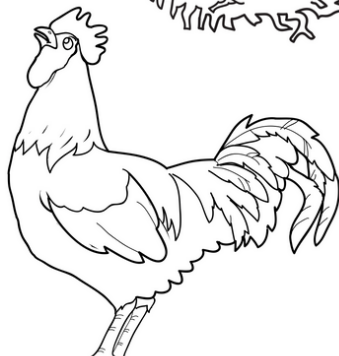
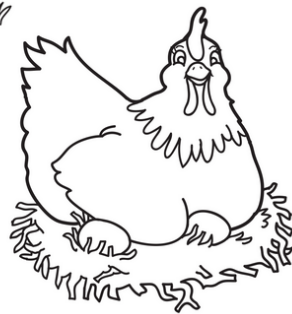
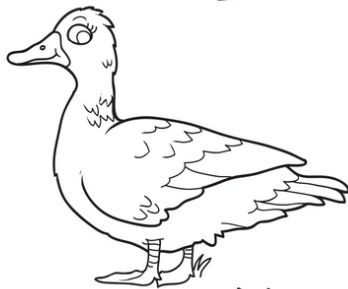
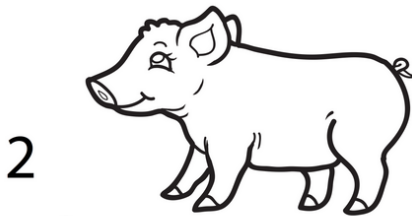
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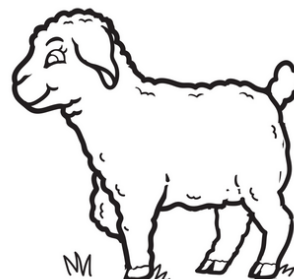
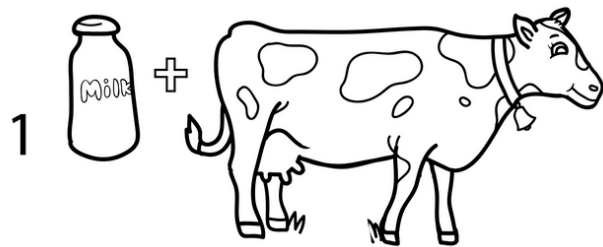
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# Farm Animals!

**Across**



**Down**



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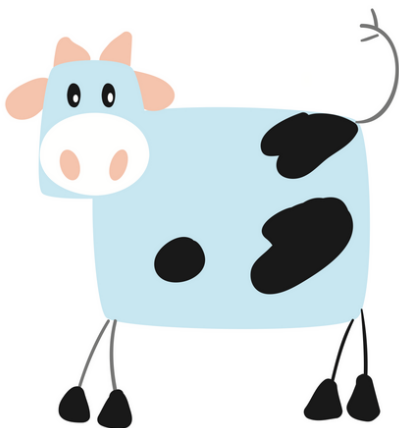
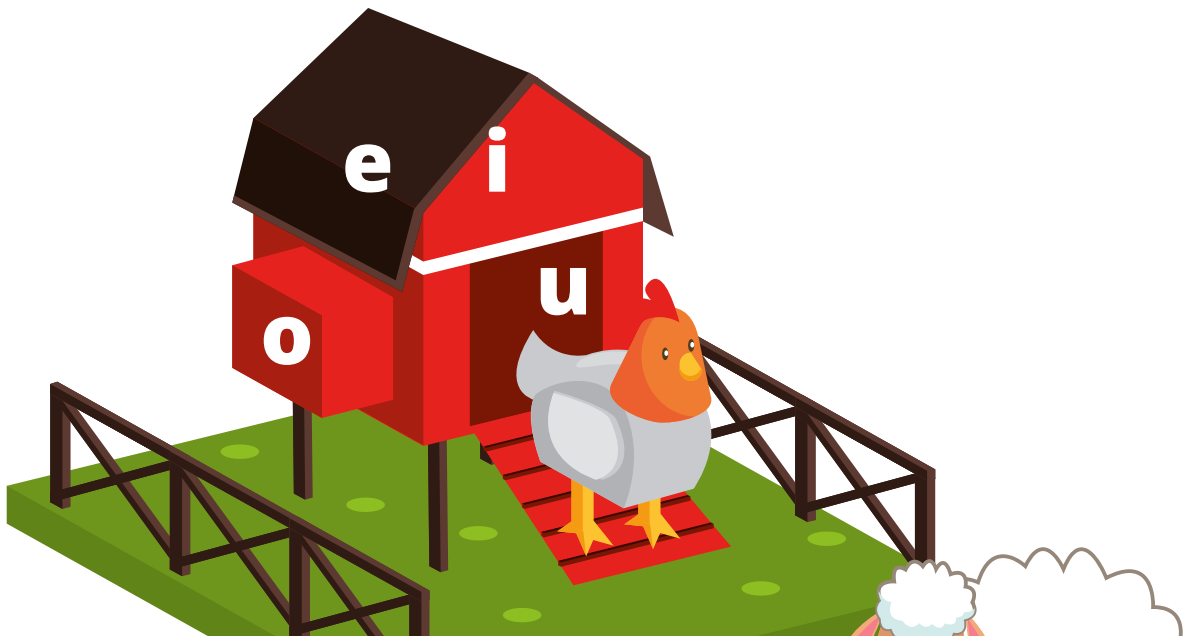
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## MISSING VOWELS

There are many vowels hiding in the chicken coop. Can you help the farm animals find the missing vowels in their names?



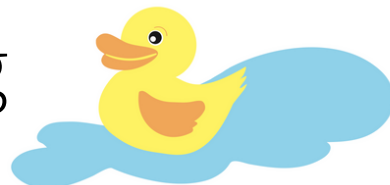
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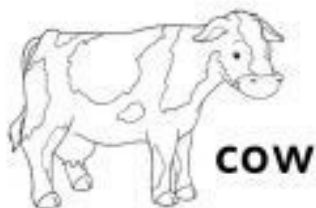
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## Farm Babies

Match the mothers on the left with their babies on the right.



cow



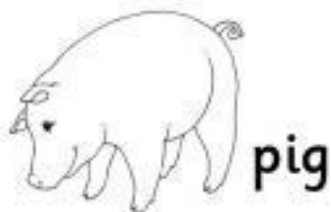
piglet



sheep



chick



pig



calf



duck



foal



hen



lamb



horse



duckling

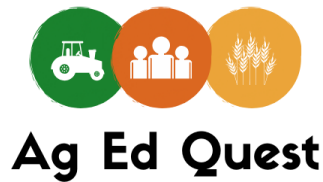
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## Stories about people who produce our food and fibre

<https://youtu.be/iipJdcpseUs>



### Questions from the video

1. How many hectares is John's farm?
2. What percentage of his farm grows wheat?
3. Planting crops start in autumn – what is planted first?
4. What crop matures the fastest for harvest?
5. What type of farm uses wheat as a food source after its harvested?
6. What is the name of the Milling Plant on the Limestone Coast, SA? (hint – they also have a base in Dimboola!)
7. What is the name of the part of the wheat that protects the grain while growing in the paddock?
8. After the husk has been removed, what happens to the grain?
9. How many tonnes of 'finished product' are produced each year?
10. What countries are named in the video that eat Australian oats?

## **Farms and people's connections to them**

Watch the video and answer the following questions

<https://www.youtube.com/watch?v=poA99DAPrZA&feature=youtu.be>



1. What is it that the Outback Pride business does?
2. How many tonnes of Australian native food do they produce a year?
3. How many different species do they grow?
4. How have they been able to get the best Australian native foods?
5. What is the emotional connection that Gayle thinks the public can make about eating Australian native foods?
6. Name two things they state native plants are better than western fruit and vegetables?
7. What are the two sides of the business?

## **The future of farming - vertical farms?**

Watch the video and answer the following questions

[https://www.youtube.com/watch?v=-\\_tvJtUHnmU](https://www.youtube.com/watch?v=-_tvJtUHnmU)



1. How many kinds of leafy greens are currently grown at the facility?
2. What is the name of the organisation and where is this vertical farm located?
3. What is the name of the technology used to grow the leafy greens in an air or mist environment without the use of soil?
4. As a percentage, how much water does aeroponics use in comparison to traditional methods?
5. Instead of soil, plants are grown in a type of cloth. What is it made from?
6. A new vertical farm is being constructed. How many pounds of leafy greens will be grown at the new farm?

BONUS QUESTION - Can you convert pounds to kilograms?



## A Year on the Farm

This calendar is missing some information. Draw what might be happening on a farm during each month.

**January**

**February**

**March**

**April**

**May**

**June**

**July**

**August**

**September**

**October**

**November**

**December**



## **Match the machinery**

Match the piece of machinery/equipment to its role on the farm



**Spraying the crops  
for weeds**



**Planting the crop**



**Baling hay**



**Harvesting wheat**



**Discing the ground  
preparing for seeding**





## **Careers in Ag**

If we want to be able to feed the world, we need scientific information to ensure farmers can grow as much food as possible on the land that they have.

Create a list of careers in agriculture for people who like science.

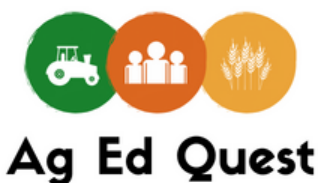


## **What's in our food?**

Broadacre cropping is the major agricultural activity in the Wimmera Mallee, producing cereals, pulses and oilseeds. Wheat is the most prevalent crop, followed by barley. Common pulses grown are field peas, chickpeas, lentils, faba beans, broad beans, lupins and vetch.

Canola and safflowers seeds are grown for oil.

Create a list of all the food products that use grains and legumes grown in the Wimmera.



## Additional Online Resources

### Australian Eggs

<https://www.australianeggs.org.au/education/>

*Complete with lesson plans, amazing resources and links to videos that will support you in teaching your students about Australia's Egg Industry. Primary and Secondary*

### Cattle and Sheep Farming in Australia

<https://www.forteachersforstudents.com.au/site/themed-curriculum/cattle-sheep-farming/lesson-ideas/>

*Lesson plans and resources for Years 4 - 8. Courtesy of Meat & Livestock Australia ([www.mla.com.au](http://www.mla.com.au))*

### Learn about Wool

<https://www.learnaboutwool.com/lesson-plans/>

*Lesson plans and resources for Years F - 10. Courtesy of Australian Wool Innovation Limited and The Woolmark Company*

### Farmsafe Australia - RIPPER II Growing Kids on Farms

<https://www.farmsafe.org.au/RIPPER-II-Primary-School-Resource>

*Ideas and resources to focus on / promote reputable farm safety content aligned the Primary curricula, within the context of learning about farm life and farm environments.*

### Farmsafe Australia - Future Farmers Resource for High Schools

<https://www.farmsafe.org.au/RIPPER-II-Primary-School-Resource>

*Contains administrative guidelines, learning modules and support materials, to guidediscussion and learning on a variety of farm safety topics.*

### George The Farmer - Teachers Guides

<https://www.georgethefarmer.com.au/collections/teachers-guides>

*Free downloads on Wheat and Sheep and Pulses*

### NSW Primary Industry Careers Fact Sheets - The Lego Farmer

[http://www.dpi.nsw.gov.au/\\_\\_\\_data/assets/pdf\\_file/0005/735305/agriculture-careers-for-primary-school.pdf](http://www.dpi.nsw.gov.au/___data/assets/pdf_file/0005/735305/agriculture-careers-for-primary-school.pdf)

*Fact sheets outlining some popular farm-based careers with the help of Lego!*

### Career Harvest

<https://www.careerharvest.com.au/>

*Discover all the wonderful careers related to the Australian agriculture industry.*