

# 11 Geography – Shaw Dairy Farm Case Study

Friday 26 June 2009

To prepare an up to date farm study you need information on the following. You will need to answer them on your own refill. You will not need to ask all these questions. Listen to what Mr Shaw tells you, and observe carefully.

1. This is a family farm. How long has the family been farming in Paterangi?
2. What does it mean that this is a Jersey stud farm? Why do they wish to be a stud farm?
3. Even though this is a stud farm, Shaws use AB/AI. Why? Do they keep a bull or bulls?
4. How big is the farm? It has not always been this size. Why did they enlarge it?
5. How many cows do they milk?
6. What style and size is the milking shed?
7. What supplementary crops are grown on the farm, and/or brought-in?
8. Which factory does their milk mostly go to? Would they consider supplying a company other than Fonterra?
9. Draw an approximate sketch of the farm, showing the central race, milking shed, barns and sheds, adjacent roads, the under-road tunnel. Include the land on both sides of the road.
10. What are the natural inputs: relief of the land, soil type, sunshine hours, average rainfall, temperature (eg January and July mean temperatures) and frost information, water supply?
11. What are the cultural inputs, especially transport/machinery, fencing, labour, knowledge, skills and experience, fertiliser, sprays/pesticides, grasses, animals?
12. What happens to calves born on the property?
13. What are their outputs, positive and negative.

Present your answers for Q10 – 13 as a **Systems Diagram**, correctly set out.

14. Which town, city or area do most of their purchased farm skills and services come from? What do these include?
15. Draw a **Seasonal Calendar** that shows events and activities particular to the Shaw farm that were not included in your textbook version.
16. What things is the farm doing now, or considering doing, to make less impact on the environment?
17. Include any other information you are given that you consider useful or interesting. You may also have other questions that you would like to ask Mr Shaw.

This work is to be handed in on **Wednesday 1 July**. Be sure to name your work.