

CAN YOU HELP?



Salinity (too much salt in the soil) caused by cutting down trees on my farm, is stopping my crops from growing (environmental concern).

I need to know how much food my cows have eaten to make sure they are healthy and receiving all the nutrition they need (collecting data and information).

Harvesting my apple crops by hand takes too long and is very hard work (making tasks more efficient and easier).

Slugs and snails keep eating my crops (pest management).

Can you give these farmers some ideas about how robotics could be used to solve the concerns on their farms?



Robot name:

Consider:
What concern is
your robot
solving?

How will it be
constructed?

What will the
advantages of
this robot be?

What might the
disadvantages
of this robot
be?

Select one of your ideas from the previous page to create a design for a robot that will address a concern in agriculture. Remember to label the materials you will use and the specific features of your design.