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a) i) - Research into ~~research~~ developing agricultural technologies is needed to produce technologies that are reliable and have a high success rate, ~~and~~ needs to be tested for yield production. ~~and~~ Research needs to take place in order to know the technology is safe to both humans and animals and that the technology ~~can be used by~~ is being designed to promote Agriculture businesses and not bring them down. Another reason research is needed is to fix problems that have occurred in past technologies and make them better for future generations of the ~~the~~ Agricultural community.

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ii). Development of ~~agricultural~~ technology may not be widely adopted in the agricultural community for many reasons. Safety of employees, time consumption of the technology, and cost are all reasons why a technology may not be widely ~~accepted~~ adopted.

When a new technology emerges in the agricultural community the safety of people using the technology must come into consideration. For example when the wool press was brought out people didn't take into consideration the risk of limbs getting caught in the machinery, so more research went into finding ways to make it safer. To fix this problem safe guards and kill switches have been added to the machinery to make it safer.

Another reason that technologies are not widely adopted is that methods that work may already be in place some technology may take longer and be more time consuming than other methods or technology. In some cases the technology is less time consuming and is adopted but some methods over generations cannot be budge or changed.

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Cost of new technologies is a major reason why newly developed agricultural technology may not be widely adopted. Many new technologies cost more to ~~buy~~^{buy} than older ones. The price of things are rising as the economy grows and new things ~~and~~ are become overly expensive. If a agribusiness cannot afford the new technology than it will not be adopted into the business and production seem.

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Recent development in computer related technologies such as 'NLIS' ~~tags~~ electronic tracking tags, used in the monitoring and management factors associated with agricultural production have many 'Benefit' to the the line of production. 'NLIS' tags allow the tracking of 'beef cattle' from the place of Birth to the consumer or also known as 'paddock to plate' tracking.

The recent need for tracking the whereabouts of imported ~~and~~ exported and local production of beef can be seen through the event of the trade of beef between 'Indonesia and Australia'. ~~Indonesia's~~ Live and Dead meat trading has been ~~keeping~~ a factor in keeping the Australian economy going for many years. When news was received that live animals were being treated inhumanly in ~~the~~ Indonesia 'Laws' were set in place to prevent the Australian Red Meat export getting a bad name. ~~At first~~ ^{At first} ~~the~~ the export of live animals was going to be band completely but due to research and developing technology a new law was put in place to continue this trade. The enforcement of 'NLIS' tags has allowed the tracking of the animals being exported to be followed to ensure human treatment of animals is taking place.

The monitoring of animals is not only a benefit to the export trading of beef, but is also a benefit to the domestic trading. The development of the electronic NLIS tags allows domestic business to track and monitor their animals around Australia.

The farmer is able to monitor and manage the movement of his animals through computer tracking systems that pick up a signal of where their animals are.

This is a major benefit on large stations or vast amounts of property as they can tell where the animal is and at what stage they need to move them. As ^{with} the computer program the farmer can log the movement of the animal.

These two benefits show that the recent development in computer related technology has allowed safe tracking and monitoring of the red meat industry throughout Australia and into its export industry as well. These technologies such as the NLIS tags ~~allow~~ have furthered the reliability of ^{Animals} meat that ^{are} treated humanely before slaughter.

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