2011 HSC - Agriculture -1-Band 4/5 Question 31 sample 1 Start here. (a)i) when developing new agricultural technologies, reasearch is needed for the following reasons: · determine whether it will be effective and profitable · determine whether it will combat a replace old/ present technology · ensure that the new technology has not already been invented or patented. beneficial " to see if it will be becaused or detrimental to the specific and targeted go agricultural system. IT) when technology has just been released or identified, it can take many years to adapt to at to be accepted and used within the wider population and loasons for this may include: · Formers may not be technologically advanced enough to adopt the new technology . The new technology may not be utilised on cutoin forme as it Is not necessary for that particular & appricultural system. · some formers are set in their own way and are used to atternative methods of forming like traditional ways. " New technologies can be quite expensive for farmers to purchase. "Formers may already have a technology that does a

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operations and monitor the rainfall for	iennokgy	SCHERT D /	
	weather facasting	This has enabled) formers to monage
		operations and n	nonitor the rainfall for
the month. This is used to help determine the growing season and best times to saw dops or covry out animal operations like shearing.		the month. This the growing seaso	is used to help determine on and best times to sow

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Fail	Band 4/5 Question 31 sample 1
Technology	Benefit to Agriculture Production.
Clobal Positioning	Precision farming relies on CPS units to
System (CPS)	navigate and establish maps to endle
	the former to utilise the poddback to its
к	copobilities and to identify deficient / toxic areas
	in the pooldocle.
Internet.	Producers have been orde to source information,
	buy products online and do general
	research via the internet. Farmers are olde
	to monitor prices and sole specifications and
	Manage their forming systems to suit and meet
~~~~~	movileet specifications.
On-line Marketing	Online morbeting like CALM- Computer Aided Livestock
	Movileets has pravided producers to sell stock on altern-
	ative way vother than to albottoirs a sale yords. This
	can benefit the producer as there are no extro casts of
	thonsporting, yording etc and stack stay on property
	until sold. It enoldes formers from around the county
	to 'chede out the stock
Online banking [ filing]	Farmers are able to manage and monitor all
record helping.	bank records, files and records gathered from
	the form and are dole to keep the electronically
	on the computer for personal wants records
	one oble to be gathared quickly and one easy to
	access as they are compiled in one specificarea.
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2011 HSC - Agriculture Band 4/5 Question 31 sample 1

Scanning systems.	National identification Livestock system uses computer
(SSIN NLIS, pregnoncy	based technology to identify stock and keep records of
	Stack for morriet, transport and producer's purposes. Preeman
	Scanners allow the producer to determine if the onion
	Is pregnant, if solicius many which then can be used to
	monitor the stock and effectively monge stock if the
	dry animals are then culled or re-joined. Yield scanness
	can be used in the cropping industry to monital the yield
	recieved from each packlack and to manage the operations
	of machinary so that choser bins are available to afflood grain
	and their is enough storage for grain to be held.
Promotion	Agricultural systems can use computer reided technologies
	to increase the planation and aware ress of the pladuct.
	Rodios, televisions & computers can be used to promote
	the product to the torket community. Stud breeders of
	livestock use this to promote their stud and to
	provide details on sales, stock information and contact
-	detoits.
Robotics	Robotics have become more common in the agricultural
	pladuction. They have allowed for more cost affective
	and time soving procedules to be connied out. They
	have become widely used in the pockoging and
	processing of agricultural products.
	communication has become much easier with the devel-
Mobile Phones.	opment of mobile phones and smart phones. Internet
	You may ask for an extra Writing Booklet if you need more space.

mobile phones ?	Benefit to Agriculturol Production.
(Douli ourol	
Computer systems connected to yording r systems and weighing t Systems.	Alactive and foster. Producurs are able to get into entact with co-workers or trained agricultural matters instantly This helps to monitor the communication keept returned and helps to manage the operations being corried at properly. Co-workers and others associated and helps to Manage the operations being corried at properly. Communication is essential to formers computers are able to controls the actions and maxements of hydrolic yording systems through the use of programs set up to diaff animals in different cothegories based on a corrected to a computer to record the details of animals weights. This is esperating animals up. It also helps monitor weight of animals and Identifies animals suitable to market specifications.

Many technologies including ones mentioned in toble 1 provide many benefits the agricultural production. It is with these computer-related technologies that are there used to manitor and manage factors associated with agricultural production.