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il Research is needed when developing a. agricultural technologies for a number of reasons, and is carried out abordonges using surveys experiments and trials. Research may be needed to find out if the new technology would work and ways the technology could be improved Etermine it may be needed to check profitability 10 v or is a need for the technology whether there Research can also determine the market for the product and whether there is a place for it there ii) newly developed agricultural technology may not be widely adopted for a number of reasons. The technology may be to expensive for a farmer purchase there may be an uncertainity a about whether the proc technology is worth at that point in time. There buying Information enough research/~abou mar not be for the farmer to adapate technology the sutechastagy willing there 10 purchase a technology which does 1+. If there 15 a similar job to that of the new techoidico labour but potentially meaning more

-1-

or time, a farmer may choose to keep
that previous technology as that is what
he knows therefore not adopting the new
one.
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There are many benefits of recent developments in computer related technologics used in agricultural production that are NLIS (NOTIONAL LIVESTOCK IDENTIFICATION SCHEME) is a recent development that allows the farmer to record and store all relevant information about a porticular animal on a computer through the use of an electronic chip in the animals ear. This allows easy traceability of animal in case of disease or needing an to find the responsible owner. It is also beneficial in the way that It allows farmers to keep records efficiently can relate them back to an animal and easily. This has also begun to be conjunction with Automated used in where the systems. This milking 15 charse to be milked and as cattle are entering the dary the computer they chip determining rom their reads the last time of milking and how much milk they gave whether they should be milked again or sent boick poololock. This makes milking CUIT to the the less time consuming for the former

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everything is done automortically ØS a150 less labour intensive and 15 UPS 15 another technological development to monitorine beneficial that 15 managing agricultural production. and spot there From be any should to 6satallites that are CIOSE pinpoint w the exact GPS abie +0 location This helps farmers with . production as technologies piant helated to the use of GPS have developed to automatically been Steer tractors or other machiner straight lines and limited to ensure overlapping. The GPS an asoass ist with the planting OF add rows accurate getting +0 CORDINA DE C within 2 cm. This can reduce costs seeds or fertiliser as the FOr reduced and can be involve overlap 15 labour and time, also reducing less tatique driver Additional writing space on back page.