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Notes:

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Agriculture, Food Science and Technology

More crop per drop

Due to the increase in world poulation, estimates indicate that fod production must increase by 50% by 2030 and by 100%

by 2050. As water becomes increasingly scarce due to groundwater and surface water overexploitation, agricultre wil
need to invest in new productivy and eciency measures with mechanized irgation that wil enable yield increases of 100-
400%. Farming has moved away from being a “cra ” to being a science. e adoptin phase of technolgy and in recent years,
digtalization has taken a long time. However, with increasing demand for fod, decreasing availabilty of water, lower hardware
prices and risng labor cost, more and more farmers are adopting new inovations and technolgies. is paper considers