Research & Reviews: Journal of Botanical Sciences
e-ISSN:2320-0189
p-ISSN:2347-2308

A Brief Note on Crop Plant Yield Responses Under Irrigation Process

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Commentary

Received: 01/06/2021
Accepted: 15/06/2021
Published: 22/06/2021

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Irrigation has the potential to supply higher yields than rainfed agriculture but water requirements also are much higher. underground irrigation of the foundation zone by means of porous pots or pipes placed within the soil; and. sub-irrigation, during which the formation is raised sufficiently to dampen the basis zone. Crop yield is that the measure of crop produced per area of land. It's a vital metric to know because it helps us understand food security and also explains why your tomatoes can cost more one year so less the subsequent year. [1]

Mono-cropping allows for farmers to possess consistent crops throughout their entire farm. they'll plant only the foremost profitable crop, use the identical seed, pest control, machinery, and growing method on their entire farm, which can increase overall farm profitability. The four most vital factors that influence crop yield are soil fertility, availability of water, climate, and diseases or pests. These factors can pose a major risk to farms after they don't seem to be monitored and managed correctly. General Effects. Crop-production practices exert selection pressure on weed communities and make niches that favour or disfavour various species. Since tillage has been an integral a part of many cropping systems for hundreds of years, it's played a significant role in shaping the character of weed communities in agricultural lands.

The expansion stage of the crop; fully-grown crops need more water than crops that have just been planted. There are many factors which determine water quality. Among the foremost important are alkalinity, pH and soluble salts. Poor quality water will be accountable for slow growth, poor aesthetic quality of the crop and, in some cases, may end up within the gradual death of the plants. Plant leaves absorb sunlight and use it because the energy source for photosynthesis. In theory, because the amount of captured radiation energy increases, crop production will increase. Agricultural monoculture upsets the natural balance of soils. Too many of the identical plant species in one field area rob the soil of its nutrients, leading to decreasing styles of bacteria and microorganisms that are needed to take care of fertility of the soil. [2]

High-efficiency organic fertilizers can increase crop yield without depleting soil quality, making their application a way of supporting both long-term food security and environmental preservation. Modern chemical fertilizers include one or more of the three elements that are most vital in plant nutrition: nitrogen, phosphorus, and potassium. Of secondary importance are the weather sulfur, magnesium, and calcium. Agriculture is a very important source of livelihood in most parts of the globe. It involves tough work but it contributes to food security and also the health of the state. Before the commercial revolution, agriculture was the first source of economy. [3]

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