



## Hydroponics. Building Greenhouses and Hydroponic Farms to Secure and Flourish Food in Qatar

By Yaseen Rajpurkar

Grin Publishing. Paperback. Condition: New. This item is printed on demand. Dimensions: 11.7in. x 8.3in. x 0.2in.Project Report from the year 2016 in the subject Agrarian Studies, grade: 64. 4, Sheffield Hallam University, language: English, abstract: In a closed hydroponic farms like hydroponics carried out in greenhouses, very little and insignificant research has been done on maintaining the individual nutrient balance in a complete water nutrient solution and how maintaining the nutrients would result in less usage of water and the nutrients composition, to give high yields of production of plants and vegetables. Research in this area would give high outputs with comparatively very less inputs saving adequate quantity of water, nutrients and minerals. In any Hydroponic system the water used should always be purified and when nutrients are recirculated in a hydroponics system, each nutrient must be maintained at the desired concentration and it will keep changing as the plants absorb nutrients and as water is reduced from the solution through evaporation and transpiration. It is difficult to predict the changes that take place in the nutrient solution as it is difficult to measure transpiration rates and uptake of each nutrient by the plant as it grows and develops...



## Reviews

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