Aplicación fraccionada de fertilizantes vía fertirriego y la eficiencia del nitrógeno, fósforo y potasio en calabacita [

2021

text (article)

Analítica

Fertigation allows fertilizers to be supplemented at the required time and place, increasing their use efficiency. The present study determined whether the amount of mineral fertilizers applied to squash can be reduced, compared to the recommended dose, by fractioning their application through a fertigation system. Three treatments were designed: 100% of the recommended dose (120-33.6-174.3 kg ha-1 N-P-K) applied in solid form at sowing, and 62.5% and 50% of the control treatment, but with a split application through the growing season. Neither the fruit yield nor the concentration of N, P, Ca, and Mg in the shoot were affected when the dose was reduced to 62.5% or 50%; however, the plants showed greater efficiency in the recovery of N and P and greater ag-ronomic efficiency per unit of N, P and K applied. In conclusion, fractionated fertilization applied through fertilgation reduces the fertilization dose without affecting the squash yield or growth due to an increase in both the recovery and agronomic efficiencies of the applied nutrients
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Editorial: 2021

Tipo Audiovisual: Agricultura sustentable nutrición mineral fertilización de cultivos eficiencia agronómica eficiencia de recuperación Sustainable agriculture mineral nutrition crop fertilization recovery efficiency agronomic efficiency

Documento fuente: Acta Agrícola y Pecuaria, ISSN 2395-874X, Vol. 7, Nº. 1, 2021, pags. 1-9

Nota general: application/pdf

Lengua: Spanish

Enlace a fuente de información: Acta Agrícola y Pecuaria, ISSN 2395-874X, Vol. 7, Nº. 1, 2021, pags. 1-9
