



Adaptabilidad de cuatro variedades de fréjol (*Phaseolus vulgaris* L.) en la parroquia Luz de América - Ecuador [

2020

text (article)

Analítica

Dried beans represent 0.90% of Ecuadorian national production, in transient crops. Yields are affected by the use of uncertified seeds and planting without considering ecological locations. The objective of the research was to evaluate the adaptability of four varieties of beans (*Phaseolus vulgaris* L.) in the Luz de América parish. Four treatments were used, with four repetitions, under a completely randomized block design. The varieties were: Canario, Centenario, Fanesquero Blanco and Vilcabamba. The variables evaluated were: germination percentage, number of leaves per plant, plant height, stem diameter, days of flowering, days of fruiting, number of legumes per plant, length of legumes, number of grains per legume, percentage of disease involvement, weight of 100 grains and production per hectare. The yield obtained was 1.96, 1.01, 0.96 and 0.87 tons per hectare for the Centenario, Vilcabamba, Fanesquero Blanco and Canario varieties, respectively. In the development, it is concluded that Centenario has smaller size and reached greater performance; Meanwhile, the Vilcabamba variety spent energy growing, a symptom of stress due to the lack of adaptability. It also has poor resistance to pests. The variables number of leaves, stem diameter, and number of grains per legum turned out to be non-significant because they had apparent values

Dried beans represent 0.90% of Ecuadorian national production, in transient crops. Yields are affected by the use of uncertified seeds and planting without considering ecological locations. The objective of the research was to evaluate the adaptability of four varieties of beans (*Phaseolus vulgaris* L.) in the Luz de América parish. Four treatments were used, with four repetitions, under a completely randomized block design. The varieties were: Canario, Centenario, Fanesquero Blanco and Vilcabamba. The variables evaluated were: germination percentage, number of leaves per plant, plant height, stem diameter, days of flowering, days of fruiting, number of legumes per plant, length of legumes, number of grains per legume, percentage of disease involvement, weight of 100 grains and production per hectare. The yield obtained was 1.96, 1.01, 0.96 and 0.87 tons per hectare for the Centenario, Vilcabamba, Fanesquero Blanco and Canario varieties, respectively. In the development, it is concluded that Centenario has smaller size and reached greater performance; Meanwhile, the Vilcabamba variety spent energy growing, a symptom of stress due to the lack of adaptability. It also has poor resistance to pests. The variables number of leaves, stem diameter, and number of grains per legum turned out to be non-significant because they had apparent values

Título: Adaptabilidad de cuatro variedades de fréjol (*Phaseolus vulgaris* L.) en la parroquia Luz de América - Ecuador electronic resource]

Editorial: 2020

Tipo Audiovisual: adaptabilidad fréjol rendimiento variedades zona adaptability bean yield variety zone

Documento fuente: Siembra, ISSN 2477-8850, Vol. 7, N°. 1, 2020 (Ejemplar dedicado a: SIEMBRA), pags. 1-11

Nota general: application/pdf

Restricciones de acceso: Open access content. Open access content star

Condiciones de uso y reproducción: LICENCIA DE USO: Los documentos a texto completo incluidos en Dialnet son de acceso libre y propiedad de sus autores y/o editores. Por tanto, cualquier acto de reproducción, distribución, comunicación pública y/o transformación total o parcial requiere el consentimiento expreso y escrito de aquéllos. Cualquier enlace al texto completo de estos documentos deberá hacerse a través de la URL oficial de éstos en Dialnet. Más información: <https://dialnet.unirioja.es/info/derechosOAI> | INTELLECTUAL PROPERTY RIGHTS STATEMENT: Full text documents hosted by Dialnet are protected by copyright and/or related rights. This digital object is accessible without charge, but its use is subject to the licensing conditions set by its authors or editors. Unless expressly stated otherwise in the licensing conditions, you are free to linking, browsing, printing and making a copy for your own personal purposes. All other acts of reproduction and communication to the public are subject to the licensing conditions expressed by editors and authors and require consent from them. Any link to this document should be made using its official URL in Dialnet. More info: <https://dialnet.unirioja.es/info/derechosOAI>

Lengua: Spanish

Enlace a fuente de información: Siembra, ISSN 2477-8850, Vol. 7, N°. 1, 2020 (Ejemplar dedicado a: SIEMBRA), pags. 1-11

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es