

## Mujer, Milpa y Sustentabilidad: Una Mirada Distinta de los Socio Agroecosistemas

Gabriela Rodríguez-Licea

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Componente	Contenido
	(%)
Hidroclorídico	12.55
Estereolinos	2.52
Colesterol	13.71
Hexanoalcohol	9.68
Triclorobenceno	43.26
Tolueno	47.53
Carbón	5.18
Proteínas dietas	3.71
Fibra dietas	71.17

Indicador	Unidad	Método de medida
Biodiversidad	Milpa (Hortícola)	Se determinaron los niveles de biodiversidad en la milpa.
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	Milpa (Hortícola)	Se determinaron los niveles de biodiversidad en la milpa.


### Chemical characterization of the fruit shell of *Jatropha curcas*

Rosa María Rodríguez-Calle, Jesús Suárez-Hernández, Jesús Manuel Iglesias-Gómez, Gabriela Rodríguez-Licea

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### Evaluation of biodiversity in a farm in agroecological transition

Jesús Manuel Iglesias-Gómez, Odalys Caridad Toral-Pérez, Gabriela Rodríguez-Licea

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### Evaluation of biodiversity in a farm in agroecological transition

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#### Abstract

A study was carried out at the in agroecological transition El Renacer farm, in the Perico municipality, Matanzas, with the objective of evaluating the functionality of some of the components of ecological biodiversity and the sustainability of its economic dimension. The farm has a total area of 43.5 ha; 40 of them dedicated to livestock. The rest is dedicated to crops (0.5 ha), fruit trees (1.5 ha), forestry (1.0) and facilities (0.5 ha). The functionality of biodiversity was evaluated, based on an analysis model that included the components: tree diversity, production diversity and species richness. Through a diagnosis, which included tours, semi-structured interviews and observation, the number of individuals of each species was quantified, which were characterized according to their functionality within the system. For the calculation of economic sustainability, the indicators were standardized and weighted according to their importance. Shannon's indices for tree diversity (2.08) and Margalef's for species richness (4.50) demonstrated that the system can be considered as high species richness and sustainable, while the diversity index production (1.48) showed that the farm is not self-sufficient, from the point of view of the development of the agricultural subsystem. The economic dimension reached a value of 3.56, close to what was expected for a sustainable farm. In a general sense, the values of the indicators of diversity of the agroecosystem were optimal and demonstrate its functionality, represented by diversification and agriculture-livestock integration, although it is recommended to expand the area destined to agricultural crops, to achieve greater self-sufficiency food.

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