

Jatropha market and economics

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After a period of increase of the cultivation, in the last years the jatropha sector slowed down. This has been due to lower than expected yield as well as difficulties in the valorisation of co-products, representing about 80% of the jatropha fruits, due to the presence of toxins and anti-nutritionals.

To overcome this situation, Agroils developed an innovative process to separate anti-nutritionals and generates: 1) superior quality vegetable oil; 2) detoxified proteins for the production of animal feed and/or biopolymers; 3) valuable bioactives (Curcin, potential anti-tumoral). This new process allows increase up to 40% Jatropha profits on a per hectare base. The possibility to generate higher added-value products (i.e. proteins) from Jatropha will allow to overcome the fuel Vs. food dilemma and increase overall projects sustainability.