

# Producción Industrial Sostenible

## Casos Exitosos 2005

### Procesadores de Café



Until now, the Line of Environmental Credit in Colombia has financed around 17 plants of coffee processors. The credit average granted for this change of technology has been of 25'000 USD. All these projects have changed to the

processing called "Eco-Benefit". Whereas the coffee has been processed traditionally using great amounts of water, the new equipment is based on the mechanical separation of the almond of the coffee of the rind.

### Sustainable production in Coffee Processors Plants



*Original facilities to process the coffee based on water consumption.*

The conditions of work improved since they are more hygienic and less deterioration of the equipment.

Con la Línea de Crédito Ambiental se espera dar un nuevo impulso a la expansión de la utilización de esta tecnología, especialmente para compañías que esperan acceder a eco etiquetados de sus productos



Before the existence of the Line of Environmental Credit, some coffee growers had changed their processes to Eco-benefits since some other incentives existed. At the moment the main barrier for this change is related to the cost of the investment, which directly is not related to economic benefits that are translate in money at the moment of the commercialization of the final product. With the Line of Environmental Credit it is hoped to give a new impulse to the expansion of the use of this technology, specially for companies that hope to accede to eco-labeled of their products.

*New facilities based on mechanical separation.*

## Results

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The greater impact after made the change of technology is related to the improvement of the quality of the final product, with which these coffee growers could have a better sale price of the product.

While the traditional benefit uses 40 L of water to process a kilo of dry parchment coffee, the new benefit used single liter by each kilo of processed coffee. The pulp and the mucilage are put to a organic processor with roof, while in a traditional this exhibition to the total

solar, generating bad scents and leached of high pollution.

Additionally improved the technological level, increasing the efficiency of the process and diminishing the operative costs of manual labor, is avoided the consumption of the water and the later payments by the contamination of this. On the other hand the transformation of the solid remainders gives an organic installment that diminishes the chemical fertilizer purchase.

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