

List of substituting of materials in multi-output processes defined by TfS

Author(s)	Multioutput Products substituted	Product system	Year of listing	Source
Contreras, A.M. et al	Alternatives for using by-products of cane sugar production	Sugar and Molasses production use of wastewater, filter cake and ashes for the substitution of synthetic fertilizers 1 kg of filter cake is replaced by 0.1 kg NPK fertilizers	2024	Contreras, A.M., Rosa, E., Pérez, M., Van Langenhove, H., Dewulf, J., 2009. Comparative Life Cycle Assessment of four alternatives for using by-products of cane sugar production. J. Clean. Prod. 17 (8), 772–779. https://doi.org/10.1016/j.jclepro.2008.12.001 .