

CLIMATE DECLARATION FOR ORGANO-MINERAL FERTILIZERS

Functional unit: 1000 kg of packaged fertilizer

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.

Information about the product

The object of this EPD is the organo-mineral (granular and liquid) fertilizers produced by SCAM, the EPD covers 31 granular products including 18 fertilizers formulations and 8 liquid products including 8 fertilizers formulations (year of the data: 2017). The functional unit is the production and use of 1000 kg of packaged fertilizer.



2. Core module, including the manufacturing phase

3. Downstream module, including use phase (emissions into air and water after fertilizers spreading) and products distribution.

The table below shows the carbon footprint of the product, calculated as kg carbon dioxide equivalents (GWP, 100 years) and GWP biogenic.

Product		Upstream	Core	Downstream	Total
Medium granular	GWP	693,78	127,67	681,86	1503,30
Medium liquid	GWP	1272,32	174,98	920,26	2367,56

Information about the company

SCAM S.p.A. is an industrial and business enterprise focused on organo-mineral fertilizers (code NACE 24.15), in which it is a leader; it has also diversified to crop protection products and agrobiotechnical products meant also for biological agricultural production (code NACE 24.20 for production and code NACE 51.55 for sales). The SCAM S.p.A. Head Office and factory are situated at Modena, in Strada Bellaria No. 164.

Climate declaration

The system boundaries of the fertilizers are divided in to three modules:

1. Upstream module, including the production of the ingredients and the fertilizers packaging production,

Other environmental impacts

For the full EPD, see www.environdec.com.

Contact information

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PCR: 2010:20, V 2.0	UN CPC: 3461-3465	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: CERTIQUALITY SRL			ACCREDITED / APPROVED BY: ACCREDIA
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
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