

Green Innovation Report

BASF SE - 2024

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This report evaluates the green innovation activities of the company over the past decade, based on inventions published in green technology areas defined by the [IPC Green Inventory](#). This inventory, established by the World Intellectual Property Organization, identifies technologies aligned with the United Nations' definition of Environmentally Sound Technologies. These innovations contribute to mitigating humanity's impact on climate change in support of the Sustainable Development Goals.

Innovation Metrics

Invention Count (last 12 months)

1000 Inventions

Green Invention Count (last 12 months)

377 Green Inventions

Each invention reflects a substantial investment of R&D and legal resources. Consequently, green inventions provide a reliable and high-integrity metric for measuring a company's innovation efforts in green technologies and sustainability.

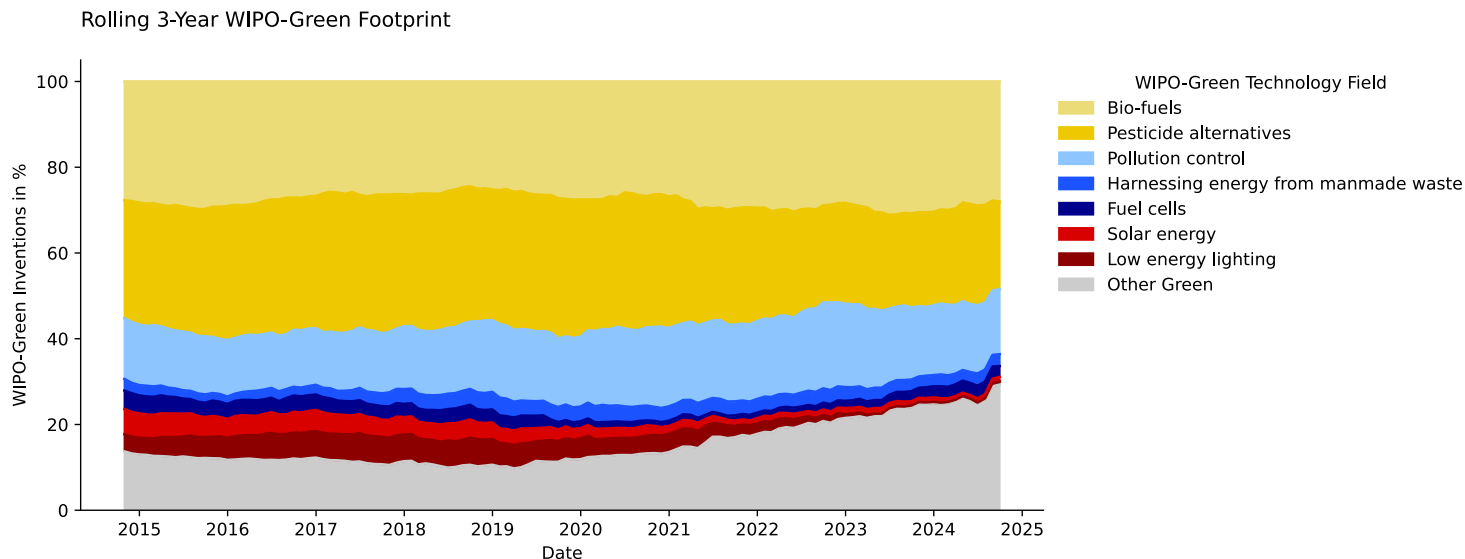
Rolling 1-Year Invention Count



The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

Green Technology Footprint

The graph below showcases the temporal distribution of the company's green innovation activity across technology fields listed in the IPC Green Inventory. This distribution highlights the green technology footprint and its evolution as part of the company's innovation strategy.



The table below provides a quantitative analysis of the growth and significance of the company's key green technology fields. For each field, the most frequently appearing keywords in recent inventions offer valuable insights into the company's green innovation activities.

WIPO-Green Technology Field	Absolute Growth (3y)	Percentage of Green Inventions (3y)	Keywords (3y)
Bio-fuels	376	28.0%	lettuce variety, tomato variety, watermelon variety, soybean variety, melon variety
Pesticide alternatives	273	20.4%	phytopathogenic fungi, amino acid substitution, invertebrate pest, mitochondrial cytochrome, strobilurin type compound
Pollution control	204	15.2%	selective catalytic reduction, catalytic article, exhaust gas treatment, scr catalyst, exhaust gas purification
Harnessing energy from manmade waste	37	2.8%	thermal energy, temperature swing adsorption, sustainable pigment, regeneration gas stream, liquid hydrocarbon
Fuel cells	34	2.5%	fuel cell, gas diffusion electrode, battery pack, redox flow cell, membrane electrode assembly
Solar energy	14	1.0%	xanthene compound, variable duty cycle, uv curable coating, thin film, pulse modulation scheme
Low energy lighting	10	0.7%	time constant, spectroscopic information, wavelength scale, thermo optical property, thermo electric

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