

Five-Year Summary

€ million	2013	2014	2015	2016	2017
Bayer Group					
Sales	40,157	41,339	46,085	34,943	35,015
EBITDA ¹	7,830	8,315	9,573	8,801	8,563
EBITDA before special items ¹	8,401	8,685	10,256	9,318	9,288
EBITDA margin before special items ¹	20.9%	21.0%	22.3%	26.7%	26.5%
EBIT ¹	4,934	5,395	6,241	5,738	5,903
EBIT before special items ¹	5,773	5,833	7,060	6,826	7,130
Income before income taxes	4,207	4,414	5,236	4,773	4,577
Net income (from continuing and discontinued operations)	3,189	3,426	4,110	4,531	7,336
Earnings per share (from continuing and discontinued operations) (€) ¹	3.86	4.14	4.97	5.44	8.41
Core earnings per share (from continuing operations) (€) ¹	5.61	5.89	6.82	6.67	6.74
Net cash provided by operating activities (from continuing and discontinued operations)	5,171	5,810	6,890	9,089	8,134
Net financial debt	6,731	19,612	17,449	11,778	3,595
Capital expenditures (as per segment table) ²	2,155	2,484	2,554	2,627	2,418
Bayer AG					
Total dividend payment	1,737	1,861	2,067	2,233	2,315
Dividend per share (€)	2.10	2.25	2.50	2.70	2.80
Innovation					
Research and development expenses	3,406	3,537	4,274	4,405	4,504
Ratio of R&D expenses to sales – Pharmaceuticals (%)	15.8	15.6	16.0	16.7	16.2
Ratio of R&D expenses to sales – Crop Science (%)	9.8	10.3	10.7	11.7	11.7
Employees in research and development	13,509	13,900	14,753	14,213	14,041
Employees					
Number of employees ³ (Dec. 31)	112,400	117,400	116,600	99,592	99,820
Personnel expenses (including pension expenses) (€ million)	9,430	9,693	11,176	9,459	9,528
Proportion of women in senior management (%)	25	26	28	31	32
Proportion of employees with health insurance (%)	95	96	96	98	98
Fluctuation (voluntary/total) (%)	5.5/14.0	4.8/11.4	5.0/13.9	4.8/13.2	4.8/10.4
Hours of vocational and ongoing training per employee	17.8	18.0	20.0	23.0	23.4
Safety & Environmental Protection					
Recordable Incident Rate for Bayer employees (RIR)	0.49	0.44	0.43	0.40	0.45
Loss of Primary Containment Incident Rate (LoPC-IR) ⁴	0.16	0.13	0.11	0.17	0.13
Total energy consumption (terajoules)	27,972	26,288	24,677	26,243	25,832
Energy efficiency (kWh/€1,000 external sales) ⁵	171	154	143	130	125
Total greenhouse gas emissions (CO ₂ equivalents in million t) ⁶	4.40	4.06	4.62	4.64	3.63
Specific greenhouse gas emissions (CO ₂ equivalents in kg/€1,000 external sales), according to the market-based method ⁷	52.18	46.84	55.70	48.45	46.26
Water use (million m ³)	117	104	110	93	98

2016 figures restated; figures for 2013–2015 as last reported; Safety & Environmental Protection: prior years' figures restated

¹ For definitions of the indicators, see A 2.4

² Group total 2016 including Covestro

³ Employees calculated as full-time equivalents (FTEs)

⁴ LoPC = Loss of Primary Containment; number of incidents in which chemicals leak from their primary container, such as pipelines, pumps, tanks or drums, per 200,000 working hours

⁵ Quotient of total energy consumption and external sales; Bayer excluding Currenta

⁶ Direct emissions from power plants, waste incinerators and production plants and indirect emissions from external supplies of electricity, steam and cooling (according to the market-based method); portfolio-adjusted in accordance with the GHG Protocol

⁷ Bayer excluding Currenta