

Environmental Data Table 2016

This table provides an overview of the environmental performance of all our operations. It includes indicators for production, energy consumption, air emissions, refrigerants, wastewater and waste from our beverage production plants, malting plants and other operations.

Performance indicator	Unit	Total all sites			Breweries, cider, soft drink and water plants			Malting sites			Other and packaging		
		2014	2015	2016	2014	2015	2016	2014	2015	2016	2014	2015	2016
Total beverage production	Mhl	197.7	205.2	218.9	197.7	205.2	218.9	–	–	–	–	–	–
Beer production	Mhl	180.9	188.1	203.5	180.9	188.1	203.5	–	–	–	–	–	–
Cider production	Mhl	3.8	3.9	4.1	3.8	3.9	4.1	–	–	–	–	–	–
Soft drink production	Mhl	9.1	9.2	9.5	9.1	9.2	9.5	–	–	–	–	–	–
Water production	Mhl	3.7	3.9	1.8	3.7	3.9	1.8	–	–	–	–	–	–
Malt production	ktons	686	702	694	–	–	–	686	702	694	–	–	–
Thermal energy consumption	PJ	18.5	15.9	16.4	14.0	14.0	14.6	1.5	1.5	1.5	3.1	0.4	0.4
Electricity consumption	GWh	1,929	1,738	1,833	1,595	1,616	1,717	79	80	77	255	42	39
CO ₂ e emissions (direct: from fuel combustion and refrigerant losses)	ktons	1,172	1,034	1,059	908	926	944	84	85	84	180	24	31
CO ₂ e emissions (indirect: from heat and electricity import)	ktons	666	486	513	525	439	472	29	30	26	112	17	15
HC-based refrigerants in use	tons	49	57	55	42	46	50	5	5	5	1	5	1
HC-based refrigerants lost	tons	9.5	10.5	7.4	9.3	10.0	7.0	0.2	0.0	0.4	0.0	0.6	0.0
	kg R11 equivalents	348	341	265	346	341	254	1	0	2	2	0	9
	kton CO ₂ equivalents	20.4	19.9	16.8	20.1	19.9	16.2	0.3	0.0	0.6	0.0	0.0	0.1
Water consumption	Mm ³	81.4	80.1	82.5	76.7	76.8	79.4	2.1	2.1	2.0	2.6	1.2	1.0
Waste water quantity	Mm ³	53.0	51.7	54.7	51.0	49.6	52.7	1.3	1.3	1.3	0.8	0.8	0.8
Waste water organic load before treatment	ktons COD	157	163	182	152	157	177	3	3	3	3	3	1
Effluent organic load discharged to surface water	ktons COD	26.3	17.7	15.6	25.9	17.5	15.4	0.4	0.3	1.6	0.0	0.0	1.4

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		2014	2015	2016	2014	2015	2016	2014	2015	2016	2014	2015	2016
Destinations of co-products and waste													
Re-use	tons	–	18,110	13,976	–	18,110	13,976	–	0	0	–	0	0
Human consumption	tons	–	54,764	71,353	–	54,764	71,353	–	0	0	–	0	0
Animal feed	tons	–	2,732,862	2,947,785	–	2,687,271	2,891,911	–	44,225	46,928	–	1,365	8,945
New materials	tons	–	220,950	234,320	–	215,848	233,947	–	173	80	–	4,930	294
Compost/soil improvement	tons	–	151,057	150,922	–	129,764	132,389	–	16,002	17,150	–	5,292	1,384
Fermentation into biogas	tons	–	43,429	52,402	–	15,553	20,947	–	0	0	–	27,876	31,455
Combustion with energy recovery	tons	–	18,752	35,305	–	18,672	35,241	–	29	28	–	51	36
Combustion without heat recovery	tons	–	2,350	4,029	–	2,350	4,029	–	0	0	–	0	0
Landfill	tons	–	189,131	120,796	–	182,314	119,692	–	6,353	718	–	464	386