

Environmental Data Table 2018

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		
		2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018
Total Beverage production	Mhl	218.9	225.5	259.6	218.9	225.5	259.6	–	–	–	–	–	–
Beer production	Mhl	203.5	212.2	246.1	203.5	212.2	246.1	–	–	–	–	–	–
Cider production	Mhl	4.1	4.1	3.9	4.1	4.1	3.9	–	–	–	–	–	–
Soft drink production	Mhl	9.5	9.7	5.6	9.5	9.7	5.6	–	–	–	–	–	–
Water production	Mhl	1.8	0.5	3.8	1.8	0.5	3.8	–	–	–	–	–	–
Malt production	ktons	694	711	710	–	–	–	694	711	710	–	–	–
Thermal energy consumption	PJ	16.4	16.4	17.6	14.6	14.5	15.8	1.5	1.5	1.5	0.4	0.4	0.3
Electricity consumption	GWh	1,833	1,869	2,111	1,717	1,750	2,014	77	81	81	39	38	16
CO ₂ e emissions (direct: from fuel combustion and refrigerant losses)	ktons	1,059	1,022	1,043	944	908	940	84	84	82	31	30	20
CO ₂ e emissions (indirect: from heat and electricity import)	ktons	513	511	514	472	471	480	26	26	31	15	14	2
HC-based refrigerants in use	tons	55	52	83	50	46	78	5	5	4	1	0	0
HC-based refrigerants lost	tons	7.4	7.1	9.1	7.0	6.3	8.9	0.4	0.8	0.3	0.0	0.0	0.0
	kg R11 equivalents	265	235	208	254	225	203	2	7	4	9	4	0
	kton CO ₂ equivalents	16.8	15.1	14.8	16.2	13.9	14.3	0.6	1.2	0.5	0.1	0.0	0.0
Water consumption	Mm ³	82.5	83.9	92.1	79.4	80.9	89.8	2.0	2.0	2.0	1.0	1.0	0.3
Waste water quantity	Mm ³	54.7	55.6	60.0	52.7	53.7	58.4	1.3	1.3	1.3	0.8	0.7	0.4
Waste water organic load before treatment	ktons COD	182	177	192	177	171	186	3	4	4	1	2	2
Effluent organic load discharged to surface water	ktons COD	15.6	14.3	13.8	15.4	14.0	13.4	1.6	0.3	0.3	1.4	0.0	0.2

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		2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018
Destinations of co-products and waste													
Re-use	tons	13,976	4,220	4,840	13,976	4,220	4,840	0	0	0	0	0	0
Human consumption	tons	71,353	73,202	77,348	71,353	73,202	77,348	0	0	0	0	0	0
Animal feed	tons	2,947,785	2,985,857	3,410,095	2,891,911	2,931,403	3,334,513	46,928	54,231	72,058	8,945	224	3,524
New materials	tons	234,320	256,128	283,116	233,947	246,426	282,760	80	177	148	294	9,526	208
Compost/soil improvement	tons	150,922	166,459	179,275	132,389	146,658	158,182	17,150	16,803	16,128	1,384	2,998	4,965
Fermentation into biogas	tons	52,402	45,384	47,187	20,947	22,829	25,876	0	0	0	31,455	22,555	21,311
Combustion with energy recovery	tons	35,305	38,915	61,263	35,241	38,851	61,239	28	25	7	36	39	18
Combustion without heat recovery	tons	4,029	2,379	2,225	4,029	2,356	2,210	0	23	14	0	0	0
Landfill	tons	120,796	133,759	142,888	119,692	132,760	142,491	718	334	372	386	665	24