

## Conservation of Water Resources

# Conservation of water resources in production

### Performance

GRI303-3  
GRI303-4  
GRI303-5

► Environmental Data

The Ajinomoto Group aims to reduce the rate of water usage vs. production volume unit by 80% from fiscal 2005, the base year, by fiscal 2030. The Group is targeting a 78% reduction from baseline for the three-year period from fiscal 2018 to 2020 to manage progress toward the fiscal 2030 target.

In fiscal 2018, the Group reduced water withdrawal by about 150 million tons. The Group also reduced the rate of water usage vs. production volume unit by about 78% compared to the fiscal 2005 baseline, thus achieving its target. Each production site has continued water-saving efforts from the previous fiscal year.

### Target and result for conservation of water resources

	FY2018		FY2019 Target	FY2020 Target	FY2030 Target
	Target	Result			
Reduction rate of water usage vs. production volume unit	78%	78%	78%	78%	80%

### Water use

kilo tons

	FY2005 (Base year)	FY2014	FY2015	FY2016	FY2017	FY2018
Total water withdrawal <sup>[1]</sup>	221,863	78,653	76,912	74,041	74,844	69,892
Fresh surface water	180,363	28,422	25,272	23,559	24,433	20,672
Brackish surface water/ seawater	0	0	0	0	0	0
Fresh groundwater- renewable	0	0	0	0	0	0
Fresh groundwater-non- renewable	-	16,293	16,972	15,859	16,371	15,076
Produced water	0	0	0	0	0	0
Municipal water (including industrial water)	41,500	33,938	34,668	34,623	34,041	34,144
Water usage vs. production volume unit (per ton of product)	123	34	30	28	28	27
Reduction rate	-	73%	75%	77%	77%	78%
Reference value: Production volume	1,800	2,347	2,532	2,657	2,684	2,627
Total water discharge	201,300	66,386	60,873	59,701	60,464	55,800
Fresh surface water	53,000	29,897	27,418	27,419	29,813	29,231
Brackish surface water/ seawater	0	0	0	0	0	0
Groundwater	0	0	0	0	0	0
Third-party destinations	4,300	9,224	10,171	9,909	9,827	9,540
Total water use recycled or reused	144,000	27,265	23,284	22,373	20,824	17,029
Proportion of water use recycled or reused	65%	35%	30%	30%	28%	24%
Total water use	20,563	12,267	16,039	14,340	14,380	14,092
BOD (tons)	550	304	268	269	294	312
Nitrogen (tons)	3,200	404	424	445	394	501

[1] Water withdrawals are disclosed based on volumes measured/invoiced in accordance with national or regional laws or converted from pump power use/pipe water speed. Water discharge volume and quality are both disclosed based on accumulated values measured in accordance with national or regional law.