



Santa Marta- Colombia, October 2018

WATER USE, EFFICIENCY AND QUALITY – v5

CONTEXT

DAABON has worked intensively to understand the types of soils available within its plantations, the daily water balance and the uptake of our crops to avoid misuse. In the same effort, since 2010 we reuse 100% of the water used by our extraction mill by treating it anaerobically and aerobically (and irrigating it to our compost facilities and our plantations. This process requires a strict independent monitoring protocol and follow-up by national government.

Our government registered (public) commitments as a company as follows:

- **Effluents:** 100% reuse of any liquid effluent in the company for palm oil, and improved quality (compared to capture) in Banana plantations.
- **Quality:** Maximum 300 ppm BOD₅; 550 ppm COD in discharge to irrigation on a permanent basis
- **Efficiency:** 5% decrease in use per ton/FFB per year

WATER USE

	Site	2013 m ³ /yr	2014 m ³ /yr	2015 m ³ /yr	2016 m ³ /yr	2017 m ³ /yr	Reduction
TEQUENDAMA	Ariguaní	3,086,234.88	8,355,357.44	517,607.48	640,497.10	633,566.88	>5%
	Gavilan	6,697,970.33	6,102,305.27	457,455.07	379,281.77	390,281.33	>5%
	Tequendama	8,355,357.44	1,162,669.25	977,615.07	914,412.20	908,990.21	>5%
	Las Mercedes	-	351.86	1,923.38	1,228.93	1,333.80	>5%
	Extraction Mill	134,405.40	124,614.33	137,072.43	101,314.15	102,445.90	>5%
P y T	Extraction Mill	-	-	-	91,546.35	128,282.00	

Water Intensity:

Site	2013 m ³ /FFB	2014 m ³ /FFB	2015 m ³ /FFB	2016 m ³ /FFB	2017 m ³ /FFB
Tequendama	121.83	104.97	13.94	13.58	10.98
Palma y Trabajo	-	-	-	7.04	9.86

Any further information, please do not hesitate to contact us at fguerrero@daabon.com.co.

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