



From the soil to the market®

Santa Marta- Colombia, 2020

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		2018 (m3/yr)	2019 (m3/yr)	2020 (m3/yr)
Tequendama	Ariguaní	433815,02	584539,80	223408,12
	Gavilán	510264,99	322524,44	176634,00
	Tequendama	531740,31	276731,05	185162,07
	Las Mercedes	569,80	296,38	7610,38
	Extraction Mill	101314,15	140643,19	85151,82
Palma y Trabajo	Extraction Mill	154293	127461	146716
	Oleaginosas del Yuma	1883	11061	27272

WATER INSTENSITY

Site	2018 (m3/FFB)	2019 (m3/FFB)	2020 (m3/FFB)	Reduction
Tequendama	0,90	1,28	1,16	5%
Palma y Trabajo	1,5	1,4	1,3	5%



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MEANS OF EXTERNAL VERIFICATION

RSPO audit

Our water use practices and effluent quality are externally verified, through annual external RSPO audits, according to the standard guidelines cited below:

Criterion 7.8. P&C RSPO. The practices maintain the quality and availability of surface and groundwater.

Indicator 7.8.3. The effluents from the mill are treated to comply with national regulations. The quality of the extraction plant effluent discharge, especially the biochemical oxygen demand (BOD), is regularly monitored.

Indicator 7.8.4. The use of water per processed ton of RFF in the extraction plant is monitored and recorded.

Monitoring by local Environmental Authorities

The Local Environmental Authorities carry out annual monitoring of the use of water and the quality of the effluents, verifying compliance with the Environmental regulations and those established in the environmental permits granted and approved water saving and efficient use programs.

Auditoria RSPO

A handwritten signature in black ink, appearing to read "Carolina", is written over a large, faint circular watermark or stamp.

CAROLINA TORRADO
HEAD OF ENVIRONMENTAL MANAGEMENT
SUSTAINABILITY DIRECTORATE
DAABON GROUP