

Physiological and agronomic behavior of commercial cultivars of oil palm (*Elaeis guineensis*) and OxG hybrids (*Elaeis oleifera* x *Elaeis guineensis*) at rainy and dry seasons

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Supplementary Table 1. Rainfall, temperature and humidity conditions in the study site over the years of monitoring, highlighting the environmental conditions at the times physiological variables were measured.

Year	Variable	Unit	Month											
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2008	Rainfall	mm	31.0	110.0	212.0	417.0	494.0	274.0	416.0	392.0	426.0	436.0	466.0	126.0
	Temperature	°C	27.6	28.3	27.7	28.0	27.7	28.2	27.8	27.4	28.1	27.6	27.2	27.8
	Rel. Humidity	%	81.8	78.2	82.2	84.0	85.7	83.7	84.4	85.0	82.9	85.4	88.0	81.7
2009	Rainfall	mm	188.0	140.2	589.6	182.9	410.8	382.7	281.7	343.7	191.0	346.0	172.0	222.0
	Temperature	°C	27.9	28.4	27.9	28.5	27.8	28.1	29.0	28.8	29.1	28.3	ND	ND
	Rel. Humidity	%	83.0	80.5	83.6	83.2	85.7	84.6	81.2	81.5	81.7	83.7	ND	ND
2010	Rainfall	mm	3.3	213.8	159.9	369.6	410.4	267.3	309.7	545.8	594.7	613.0	489.4	485.9
	Temperature	°C	35.7	ND	29.2	28.4	28.8	28.1	27.6	ND	27.9	28.4	27.0	27.0
	Rel. Humidity	%	51.6	ND	83.5	86.5	84.7	85.0	86.0	ND	83.9	83.3	87.4	87.1

Supplementary Table 2. Commercial cultivars evaluated. The genetic cross is included.

	Cultivar	Type of Cross
1	ASD DXG	Deli x Ghana
2	ASD DXN	Deli x Nigeria
3	CORPOICA	Deli x (La Mé, Pobe, Yangambi)
4	DAMI 103.101	Del x AVROS
5	DAMI 114.112	Deli x AVROS
6	IHRO 1001	Deli x La Mé
7	IRHO 1401	Deli x La Mé
8	IHRO 2528	Deli x La Mé
9	OXG 2783	Oleifera x African Pollen
10	OXG 2803	Oleifera x African Pollen
11	UNILEVER Y22683	(Dejongo x Ekona) x Yangambi