1
2 Supplementary Material Figure S1. IDS μEye video camera for measuring leaflet
3 areas. Note that the freshly-cut pieces of leaflets are constrained by a glass plate
4 before area measurements.
5
6
7 *Supplementary Material Table S1. True leaf area and percentage difference with*
8 *the area estimated from the equation of AVROS origin (Figure 1) for separate*
9 *years and over all four years.*

Palm age (years after planting)	True leaf area (m^2)	Percentage difference with true area				
		Year 1	Year 2	Year 3	Year 4	Over four years
1	1.24	-3.0	13.9	56.0	181.1	-4.2
2	3.44	-22.9	-3.4	2.3	42.8	-3.1
3	5.33	-24.0	-3.2	-5.4	18.0	1.3
4	7.04	-30.6	-11.1	-15.5	0.9	-5.8

10
11 Table S1 clearly shows that regression equations based on data for individual
12 years only validly estimates true leaf area for the respective year (marked
13 yellow). For example, applying the regression equation based on data of year 1
14 (third column) results in a difference between true and estimated area of -3% for
15 1-year-old palms, whereas for older palms the differences range between -22.9
16 to -30.6%. By contrast, the equation over 4 years validly estimates leaf area for
17 *each* individual year, with a deviation from true area between 1.3 to -5.8 % (see
18 last column).