

Components of Bunch with Different Fruit Sizes

Components	Units	Small fruits	Large fruits
Mean fruit weight	g	3.66	26.44
Mean bunch weight	kg	6.96	7.32
Mean fruits in the bunch	number	1 217	180
Total mean fruit weight	kg	4.45	4.76
Fruit/bunch	weight %	63.98	65.03
Mesocarp/fruit	weight %	70.19	83.09
Shell/fruit	weight %	17.35	12.27
Kernel/fruit	weight %	12.46	4.64
(Shell+ kernel)/fruit	weight %	29.81	16.91
Oil/wet mesocarp	weight %	41.99	50.78
Oil/bunch	weight %	18.86	27.58
Kernel/bunch	weight %	8.05	3.04
Total oil (mesocarp oil + kernel oil)	kg	1.59	2.13
Total oil to bunch	weight %	22.8	29.1
Shell/bunch	weight %	11.1	12.2

Note:

- Palm kernel oil was assumed to equal half by weight of palm kernel.
- Ratio of fruits in bunches with large fruits and small fruits is 6.8.
- There is no significant variation in the total fruit weight 4.45 kg vs. 4.76 kg.
- Mesocarp to fruit ratio is 18% more than small fruits in for large fruits.

Source: Henson, I E (1996). The role of bunch components in determining oil and kernel yields of oil palm - A review. *Proc. of the National Seminar on Kernel Production in Oil Palm - A Global Perspective* (Rajanaidu N, Hansen I E and Jalani B S). p 171, 151-208.