

From Table I it can be seen that the former of the above figures is 6.70 and from Table II that the latter is 5.54.

A calculation of the percentage of kernel to fruit which includes the moisture lost from the kernel during drying could be carried out by means of the following formula :

$$\% K/F = \frac{\text{Wt. of Kernel} + \frac{(1.16 \times \text{Wt. of Fresh Nut})}{100}}{\text{Weight of Fruit}} \times 100$$

By inserting the values from the previous calculation of kernel to fruit in the above formula, we get :

$$\% K/F = \frac{35 + \frac{(1.16 \times 200)}{100}}{500} \times 100 = 7.46 \%$$

The magnitude of the under-estimation of the percentage of kernel to fruit will, therefore, be in the order of 0.5 p. 100 (7.46-7.00) for Dura nuts which have been dried for 4 hours at 80 °C if no allowance is made for the moisture evaporated during drying.

Example n^o 2 : Tenera Fruits.

Weight of Fruits	= 500 grams.
Weight of Kernels after the Nuts have been dried for 4 Hours at 80 °C	= 35 grams.
Weight of Fresh Nuts	= 100 grams.

If the percentage of kernel to fruit is calculated by means of the two formulas used in Example n^o 1, we get :

$$\% K/F = \frac{35}{500} \times 100 = 7.00 \%$$

$$\% K/F = \frac{35 + \frac{(5.63* \times 100)}{100}}{500} \times 100 = 8.13 \%$$

For this figure please refer to the explanation in Example n^o 1 and Tables I and III.

From the above it can be seen that the under-estimation of the percentage of kernel to fruit is in the order of 1 p. 100 for Tenera nuts which have been dried for 4 hours at 80 °C, if no allowance is made for the moisture evaporated during drying.

As the percentage of shell to fruit, according to the formula n^o 2, is calculated as a difference between the weight of the nut and the weight of the kernel, it is obvious that the percentage of shell to fruit will be over-estimated with a figure which is equal to the under-estimation of the percentage of kernel to fruit, as, for instance, if the percentage of kernel to fruit is under-estimated with 0.5 p. 100, the percentage of shell to fruit will be over-estimated with 0.5 p. 100.

