ASBC Approved Methods: Barley - 2

Split down a representative sample of dockage-free barley to give a little more than 15 g and from this weigh out 15 g (±1 kernel). By hand, remove any foreign material and broken kernels that may have escaped dockage removal. Weigh this "cleanout" to nearest 0.01 g. Count remaining kernels in the "15 g" by hand or with a kernel counter.

1,000-KW, as-is = $\frac{(W-C)\times 1{,}000}{N}$

1,000-KW, dry basis = $\text{KW, as is} \times \frac{100-M}{100}$

D. 1,000-Kernel Weight (KW)

15	W = wt of barley sample (g)
0.15	C = wt of cleanout (g)
320	N = no. of kernels in 15-g sample
12.4	M = moisture of barley sample (%)

Calculate Reset

Results

46.4	KW, as-is
40.6	KW, dry basis

Example:

1,000-KW, as-is = $\frac{(15-0.15)\times 1{,}000}{320} = 46.4$

1,000-KW, dry basis = $46.4 \times \frac{100-12.4}{100} = 40.6$