

## Grain Content of Silage

Contrary to popular belief, the ratio of bushels of grain per ton of silage is not a constant factor. Grain yields increase much more rapidly than do total forage yields. Ratio of grain per ton of silage fluctuates widely and this is an important consideration in estimating silage feeding values or costs of corn silage. Each case should be determined on its own merits as general rules are not consistent.

**Table 1**

Example of how bushels of grain per ton of silage may vary at different yield levels

Grain per Acre	Grain per Ton of Silage
89 Bushels	5.0 Bushels
117 Bushels	6.0 Bushels
124 Bushels	6.2 Bushels
131 Bushels	6.9 Bushels
152 Bushels	7.5 Bushels
160 Bushels	8.1 Bushels
180 Bushels	12.0 Bushels

\*These values are not a guide as to grain - silage ratios, but are shown as examples of the wide variation involved

**Table 2**

Relationship of kernel moisture to yield potential

Water in Kernels	Yield of Grain as Percent of Max
40 Percent	93.5
38 Percent	94.8
36 Percent	96.3
34 Percent	98.0
26 Percent	100.0
21 Percent	98.0