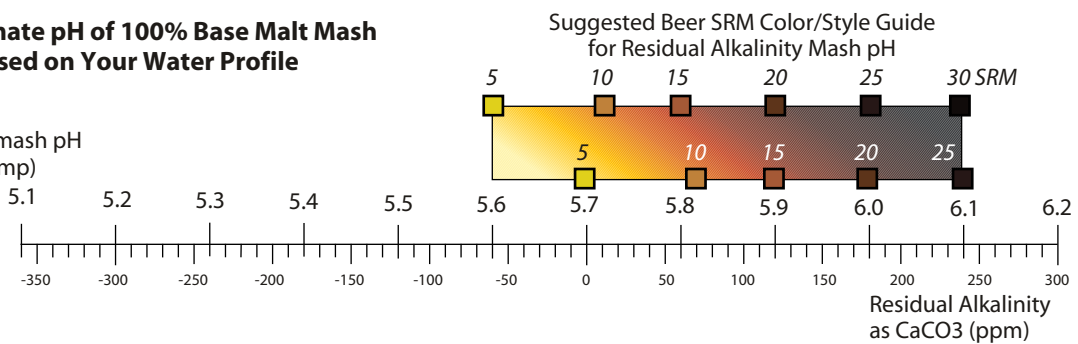


**Approximate pH of 100% Base Malt Mash
Based on Your Water Profile**

Base-malt-mash pH
(@ room temp)



Alkalinity as CaCO₃ (ppm) 0 50 100 150 200 250 300 350 400 450

[HCO₃] (ppm) 0 50 100 150 200 250 300 350 400 450 500 550

[Mg] (ppm) 0 10 20 30 40 50 60 70 80 90 100

0 50 100 150 200 250 300 350

Effective Hardness
Note: This is not the same as
Total Hardness as CaCO₃

[Ca] (ppm) 0 10 20 30 40 50 100 150 200 250 300 350 400

Usage Notes:

1. Assume a correlation error of +/- .1 pH and a range of at least 5 SRM due to individual mash chemistry.
2. The actual pH of the mash at mash temperature (~150°F) is typically .35 pH less than it measures at room temperature.
3. For best results, the mash pH should always be between 5.2-5.6, regardless of beer style, when measured at mash temperature.