

RELATIVE NEUTRALIZING VALUE (CaCO₃ equivalent) FOR LIMING MATERIALS

Aglime = ground calcitic limestone (CaCO ₃) if pure (minimum standard for aglime in WV:)	100 85
Quicklime = burnt lime = calcium oxide CaO	179
Hydrated lime = slaked lime = calcium hydroxide Ca(OH) ₂	136
Basic slag CaSiO ₃ (plus variable P ₂ O ₅ and Mg)	60- 70
Dolomitic limestone CaMg (CO ₃) ₂ up to 15% Mg	100-109
Mg carbonate MgCO ₃ (35% Mg)	119
Mg oxide = magox = MgO (60% Mg)	263
Marl (CaCO ₃ + clay + org. matter)	50- 90
Bone ash & meal (Ca phosphate)	20- 30
Wood ash (depends on source)	5- 50

Example: If soil test calls for 100 lb. of lime (aglime, use only $\frac{100}{136} = 74$ lb. of hydrated lime.

NOTE: Effectiveness of lime depends greatly on fineness. In WV, 90% of aglime must pass 20 mesh, 50% 50 mesh, and 35% 100 mesh. Finer materials react more quickly.