

**RULES
OF
TENNESSEE DEPARTMENT OF AGRICULTURE
DIVISION OF QUALITY AND STANDARDS**

**CHAPTER 0080-5-15
AGRICULTURAL LIMING MATERIALS**

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0080-5-15-.01 CALCIUM CARBONATE EQUIVALENT (CCE).

All agricultural liming materials sold, offered for sale, or distributed shall have a minimum Calcium Carbonate Equivalent of seventy-five percent (75%).

Authority: T.C.A. §43-11-410. *Administrative History:* Original rule filed October 20, 1992; effective January 28, 1993.

0080-5-15-.02 SCREENING SIZES.

All agricultural liming material sold, offered for sale, or distributed in this State shall be crushed or ground to such a degree of fineness that not less than eighty-five percent (85 %) of the material will pass a 10-mesh screen and not less than fifty percent (50%) will pass a 40-mesh screen. The use of a 60-mesh screen is optional and if used must be so labeled and used in the calculation of the Relative Neutralizing Value (RNV).

Authority: T.C.A. §43-11-410. *Administrative History:* Original rule filed October 20, 1992; effective January 28, 1993.

0080-5-15-.03 PARTICLE SIZE EFFICIENCY (PSE) FACTORS.

The neutralizing value of each particle size shall be reflected by the Particle Size Efficiency (PSE) Factors listed below. Such factors shall be used in the calculation of the Relative Neutralizing Value (RNV) of liming materials.

U.S. Standard Sieve Size No. Ranges	Efficiency Factor
% Remaining on 10-mesh	0.33
% Passing 10-mesh but Remaining on 40	0.73
% Passing 40-mesh but Remaining on 60	0.93
% Passing 60-mesh (optional)	1.00

Authority: T.C.A. §43-11-410. *Administrative History:* Original rule filed October 20, 1992; effective January 28, 1993.

0080-5-15-.04 RELATIVE NEUTRALIZING VALUE (RNV).

The neutralizing potential of all agricultural liming materials shall be indicated by the Relative Neutralizing Value (RNV). The RNV shall be determined by multiplying the percent of lime particles in each size range (specified by U.S. Standard Sieve Sizes) by the respective Efficiency Factor yielding the particle size efficiency factor. The summation of the particle size efficiency factors is then multiplied by the Calcium Carbonate Equivalent (CCE) to result in the Relative Neutralizing Value. The minimum RNV of liming material allowed to be sold, offered for sale or distributed shall be the value of sixty-five (65).

Authority: T.C.A. §43-11-410. **Administrative History:** Original rule filed October 20, 1992; effective January 28, 1993.

0080-5-15-.05 LABELING.

- (1) Agricultural liming materials sold, offered for sale, or distributed in packages greater than 100 lbs. or in bulk in this State shall indicate the Calcium Carbonate Equivalent, the percentage of product passing through the U.S. Standard Sieve sizes of 10-mesh and 40-mesh screens and the relative neutralizing value (RNV) by affixing to each package in a conspicuous manner on the label, tag, or statement, or in the case of bulk sales on a delivery slip.
- (2) If the use of a 60-mesh screen is used in calculating the RNV, the percentage of product passing through this screen must also be indicated along with the above.
- (3) Agricultural liming materials sold, offered for sale, or distributed in packages of 100 lbs. or less shall indicate the Calcium Carbonate Equivalent, percentages of product passing through the U.S. Standard Sieve sizes of 10-mesh and 40-mesh screens by affixing to each package in a conspicuous manner on the label, tag or statement.

Authority: T.C.A. §43-11-410. **Administrative History:** Original rule filed October 20, 1992; effective January 28, 1993.

0080-5-15-.06 INVESTIGATIONAL ALLOWANCES.

An investigational allowance of five percent (5 %) of the labeled value will be allowed for calcium carbonate equivalent (CCE), as-well-as for fineness of grind at each mesh sieve size. The investigational allowance for the Relative Neutralizing Value (RNV) shall be no more than five percent (5%) of the labeled value.

Authority: T.C.A. §43-11-410. **Administrative History:** Original rule filed October 20, 1992; effective January 28, 1993.