

Equations:

1. Moisture content:

$$MC = \frac{mt}{m0}$$

2. Color change:

$$\Delta E = \sqrt{(L_o * - L *)^2 + (a_o * - a *)^2 + (b_o * - b *)^2}$$

3. Browning index:

$$BI = \frac{100(x - 0.31)}{0.17}$$

$$x = \frac{a* + 1.75L}{5.645L + a* - 3.012b*}$$

4. Whiteness index:

$$WI = 100 - \sqrt{(100 - L *)^2 + a * ^2 + b * ^2}$$

5. Chroma index:

$$C = \sqrt{a * ^2 + b * ^2}$$