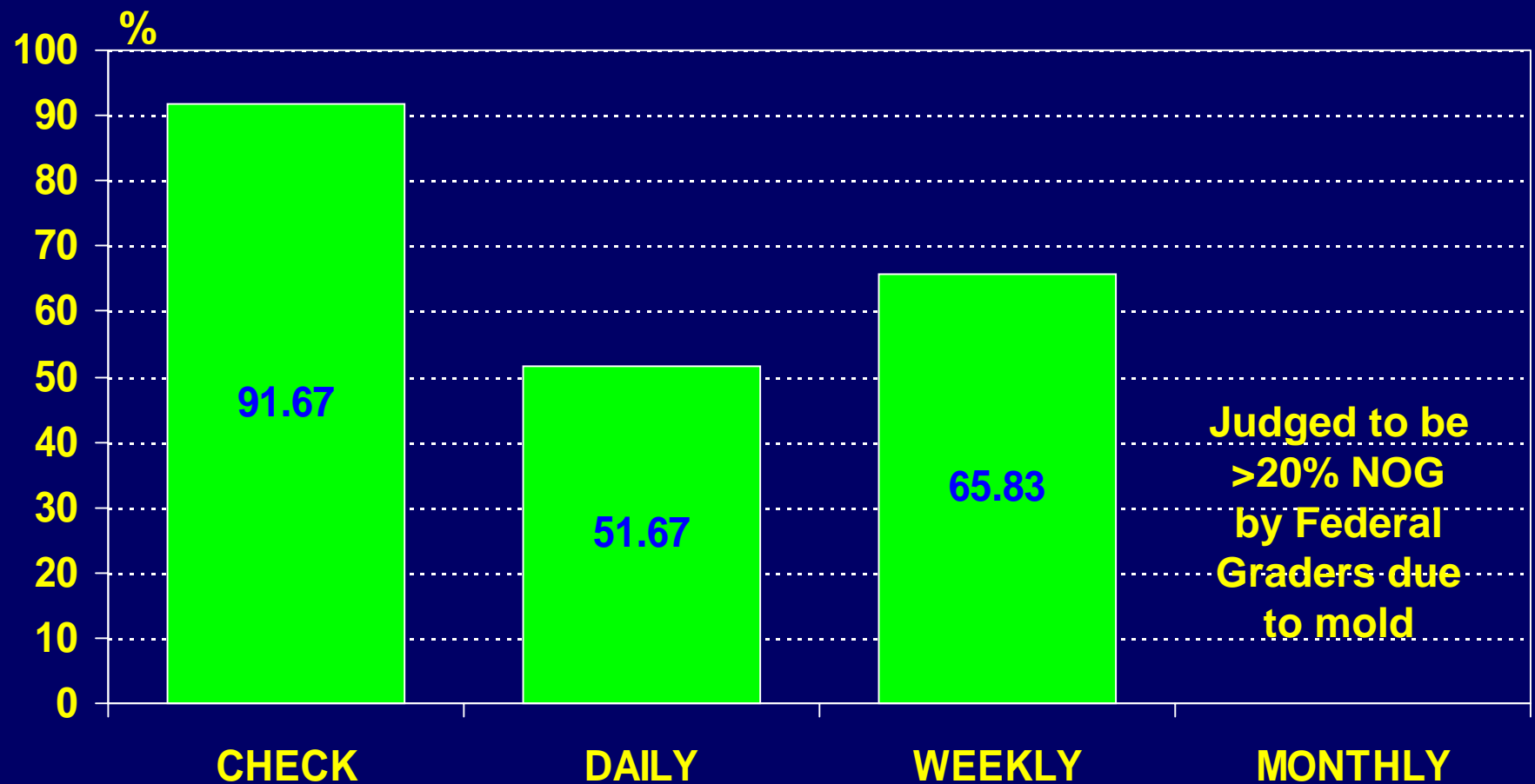


Tobacco Improvement Study

Poor quality (K grade) burley tobacco was obtained from the Burley Tobacco Growers Cooperative Association and subjected to 70% Relative Humidity for different periods of time over a five week period. Tobacco was then graded by Federal Graders for improvement. A daily regime of 70% RH at night followed by a drying period significantly reduced the amount of variegated color (K grade) when compared to the check. Two separate samples, one with a B3GF grade and one with a X3F were treated with a weekly regime of 4 days of 70% RH followed by a 3 days drying period. The B3GF has almost changed to a B3VF and the X3F was judged to be excellent.

Effects of Humidification on Quality of Inferior Burley Tobacco



HSD 0.05 = 29.56

Daily = 70% RH at night, dry during day, Weekly = 4 days of 70% RH, dry for 3, Monthly = constant 70% RH