Fisher's approach to the issue of multiple comparisons:

-> use an initial test at the right level of significance

ey for one-way ANOVA, the overall Ftest in the ANOVA table will tell you whether or not to expect any differences between the level means

-> compute Fisher's LSD (not corrected in any way for multiple)
"Least Significant Difference"

trp (0.975) & Size of each of the levels

dferor (Same for all (evels in a balanced design)

this is the standard error for (Tleveli - Theodi)

So, for the corn daton, Fisher's LSD

 $= +_{20}(0.977) \cdot 12.79062 \sqrt{\frac{2}{6}} = (2.085963)(7.384669)$ 

So, any two levels with means that differ by more than this one "significantly" different qs Fisher's LSD=15.4

graphically for the Corn data

