

# **AGSTATS02 - A Simple Statistical Analysis Program for On-farm Testing. (A04-karow162444-Poster)**

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## **Abstract:**

AGSTATS02 is a statistical analysis program designed for users who have limited knowledge of statistics and/or who need an easy to use analysis tool for simple experiments. Growers doing on-farm testing are the target audience but the program has much wider applicability. AGSTATS02 supports completely random and randomized complete block designs. Up to 16 treatments and 6 replications may be used. Significance levels of 1, 5, 10 and 20% are supported. Data entry is on-screen using the mouse or tabs to move in entry screens. Degrees of freedom, sums of squares, mean squares, F values, probability levels, standard deviation and coefficient of variation are shown. A protected LSD is calculated. Files can be printed or stored. The framework for a given experiment can be saved and used to analyze other data sets for the same trial. AGSTATS02 was developed by a team of extension agronomists working with computer science students at Oregon State University. Funding was provided by a grant from the federally funded Pacific Northwest STEEP program. AGSTATS02 is available free of charge at the STEEP web site (<http://pnwsteep.wsu.edu/onfarmtesting/index.htm>).

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