

# **What Do We Mean When We Say ‘p-value’?**

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# On Farm Strip Trial

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- ☐ Suppose we have an agronomic treatment that we expect will improve yield, relative to untreated crops.
- ☐ We provide a farmer with product to be applied to part of his fields, and we hope to measure crop yield over treated and untreated areas of the field.
- ☐ At a minimum, we hope to determine if the treated crop out-yielded the untreated crop. Ideally, we hope to state that the product increases yield by  $\tau$  bushels per acre.