

Dr Bentley's Example of the Type of Very Simple Plan for On-Farm Experiments to Compare Yields from Three Experimental Strips

1. Pearl Millet only;
2. Alternate rows of Pearl Millet and Cowpeas;
3. Alternate rows of Pearl Millet and Pigeon peas.

The diagram below is not to scale.

	Alternate rows of Pearl Millet and Cowpeas ↓	Pearl Millet only ↓	Alternate rows of Pearl Millet and Pigeon peas ↓
Leave buffers of about 2 m at end of each crop strip →			
Not fertilized →	1	2	3
If fertilizer is to be used across the 3 crop strips, do not use a fertilizer providing any nitrogen (N) Fertilized →	4	5	6
<p>Samples for yield could be about 1 m x 2 m taken near the centre of each rectangular plot.</p> <p>Samples should be weighed when taken, dried as quickly as practical, and weighed again.</p> <p>Samples taken for soil or plant chemical analysis should be composites of equal amounts from each of the rectangles sampled in each crop strip.</p>			
Each rectangular plot could be about 2 – 3 m by about 4 – 5 m. →			
1 to 3 additional sets of cross strips to go here making the number of cross strips 4 - 6			

The T method of statistical analysis enables making many comparisons such as:

(#2 & #1); (#1 & #6); (#2 & #3); (#1 & #6)