

EFFECT OF DIFFERENT ROW ARRANGEMENT ON
GROUNDNUT - PIGEON PEA
CROP COMBINATION

by

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ABSTRACT

Field experiment was conducted at the Eastern University Agriculture farm during Dec 1992 - May 1993 to find the most productive and profitable row arrangement in groundnut - pigeonpea combination.

The treatments included two sole crops at their recommended spacing and four combination treatments involving 2, 4, 6 and 8 rows of groundnut on both sides of pigeonpea.

In groundnut, row arrangement of 3:6:3 was more productive in terms of yield advantage and economically more profitable in terms of return per rupee invested than sole crop. This was followed by 3:8:3 row arrangement. Row arrangements 3:4:3 and 3:2:3 were low productive and less profitable than sole crop and the rest of the row arrangements.

There was no significant difference among treatments in pigeonpea.