

FINAL REPORT

Project title	Evaluation of cultivar x row width x environment interaction in soybean under South African growing conditions
Project manager	JL Erasmus
Co-worker(s) Internal	HSJ Vermeulen, NN Mogapi
External	None
Funder(s)	ARC/PRF

ABSTRACT (2006/07)

Field trials were conducted in this final year of the project to conclude on the performance of cultivars planted at two row widths at localities in three climatic production areas, viz. warm, moderate and cool under either irrigation or dry land conditions. Two of the dry land trials, viz. Potchefstroom and Ficksburg were unsuccessful due to drought during the past season. The differences in yield between the 45 and 90 cm row widths, cultivars as well as interactions between cultivar x row width varied between localities during the past season. This inconsistency was persistent every season since 1999. Factors not identified or controlled during this study might have had greater effects on the row width x environment interaction than anticipated. Individual producers should, however, be conscious of the fact that row width could have an effect on yield under certain conditions. Further research in terms of this specific project and objectives is not desirable under the current circumstances and it is recommended that this project be concluded.