



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_44619
Title of the Manuscript:	Agronomic Performance of Sunflower Hybrids in Brazilian Savannah Region
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Sunflower is an important crop and may be an alternative to be used in a crop rotation system. The manuscript involves many aspects of the evaluation of the production of sunflower and of different genetic materials. This type of study is important because it directs the producer to what vegetable material has the greatest adaptation and production in the place. This article evaluates the productivity of different sunflower cultivars and cites variation in productivity in the two years, however does not present this data. If possible, please shown the separate production of each year, in addition to evaluating the effect of the water deficit along the cycle, especially the reproductive phase. This gives more conditions to affirm the differences in the production of each year.	Our objective was not to evaluate agronomic performance of sunflower hybrids in the Brazilian Savannah for specific years. The two-year evaluation aims to obtain more reliable data, since the climatic conditions in this region vary according to the year. As can be seen in the figures that show the climatic data influencing directly plant growth. Thus, the hybrids were compared using the average data obtained in two years. It does not make sense to select hybrids for specific years, due to our interest on stable response across seasons.
Minor REVISION comments	The oil content is affected by the availability of water, and it is suggested to evaluate the water deficit, especially in the reproductive phase, which may help to explain the differences found.	The oil content is influenced by genotype and environment. Rainfall can affect this. In this study, we could have verified the influence of rainfall on the genotype oil contents each year. However, this was not done because the selection of genotypes was done using the mean of two years. Selection by year is not relevant in our study.
Optional/General comments	If possible, please shown the cycle of each genetic material used in the two years of experiments.	The oil content is influenced by genotype and environment. Rainfall can affect this. In this study, we could have verified the influence of rainfall on the genotype oil contents each year. However, this was not done because the selection of genotypes was done using the mean of two years. Selection by year is not relevant in our study.

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	