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Abstract

Click here and insert your abstract text. The abstract should be made in a single paragraph with 250 – 300 words. It must be specific, telling why and how the study was made, what the significant results were, and why they were important. The abstract should be written like a “mini-manuscript”, and strongly encourage authors to use following some main points but without heading: (i) background: place the question stated in broad context and highlight the purpose of the study, (ii) methods: describe in brief the main methodology uses or treatments applied; (iii) Results: Summarize the main findings of the current research, and (iv) conclusions: Indicate the main conclusions or interpretations. The abstract should be an objective representation of the article, it must not contain results which are not presented and substantiated in the main text and should not exaggerate the main conclusions.

Keywords

Type your keywords here. Keyword 1, Keyword 2, Keyword 3, which are separated by commas (List 4 to 6 pertinent keywords specific to the article; yet reasonably common within the subject discipline.)

Introduction

(11.5 pt) add introduction text here. The introduction should briefly narrate the study in a broad context and highlight why it is important. It should define the purpose of the work and its significance. The current state of the research field should be reviewed carefully and key publications cited. Please highlight controversial and diverging hypotheses when necessary. Finally, briefly mention the main objectives of the work and highlight the principal conclusions. As far as possible, please keep the introduction comprehensible to scientists outside your particular field of research. References should be numbered in order of appearance and indicated by the authors in brackets, e.g., (Cohen *et al*., 2014) or (*Wong et al*., 2012); (Lee *et al*., 2014). See the end of the document for further details on the style of references list.

The authors please note that keep introduction short enough, but it must be included (i) a brief statement of the problem that justifies doing the work, or the hypothesis on which it is based; (ii) the findings of others that will be further developed or challenged; and (iii) an explanation of the general approach and objectives. The last part should indicate the means by which the question was examined, especially if the methods are new. The references cited in the text should be followed by the style of VJAS format.

Materials and Methods

Subheading 1

In this section, it should provide enough details of material uses. Materials and Methods should be described with sufficient details to allow others to replicate and build on published results. Please note that publication of your manuscript implicates that you must make all materials, data, computer code, and protocols associated with the publication available to readers. Please disclose at the submission stage any restrictions on the availability of materials or information. New methods and protocols should be described in details while well-established methods can be briefly described and appropriately cited.

Research manuscripts reporting large datasets that are deposited in a publicly available database should specify where the data have been deposited and provide the relevant accession numbers. If the accession numbers have not yet been obtained at the time of submission, please state that they will be provided during review. They must be provided prior to publication.

Methods should be in details if it is a new method or in brief to allow a competent scientist to repeat the experiments, mentally or in fact. It should add the information on instrument use, product names, makers.

Results and Discussion

Subheading 1

This section may be divided by subheadings. It should provide a concise and precise description of the experimental results, their interpretation as well as the experimental conclusions that can be drawn.

Subheading 2

Use tables, figures, graphs and other illustrations in the Results section to present data from the experiments. It should focus on significant findings and special features. Do not repeat what is already clear from an examination of the graphics. If there have minimal results, describe them in the text.

Discussion can combine with result part or standing alone. Note that use the Discussion section to interpret your obtained results. The Discussion section should focus on the significant and meaningful your findings, not recapitulate them. The results should be discussed and compared with the other work.

Authors should discuss the results and how they can be interpreted in perspective of previous studies and of the working hypotheses. The findings and their implications should be discussed in the broadest context possible. Future research directions may also be highlighted.

**Figure sample**

**Figure 1.** Effects of the nitrogen form treatments on shoot dry weight of rice under WD at 20% w/w of SMC and CWL conditions

Note: Columns with the same letter within each treatment are not significantly different at the 5% level.

**Table sample**

**Table 1.** Effects of the nitrogen form treatments on root system development of rice under WD at 20% w/w of SMC and CWL conditions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Soil moisture conditions  | Nitrogen form treatments | TRL (cm plant-1) | NRN (no. plant-1) | NRL (cm plant-1) | LRL (cm plant-1) |
|
| 20% w/w | A | 45.1a | 155.8ab | 22.4ab | 22.7a |
| N | 39.9c | 127.3c | 19.9c | 20.0c |
| AN | 42.6b | 141.8b | 21.6b | 21.0b |
| A+DCD | 46.5a | 160.3a | 23.3a | 23.2a |
| N+DCD | 40.4c | 124.8c | 18.7d | 21.7b |
| AN+DCD | 42.8b | 150.5b | 20.1c | 22.7a |
| CWL | A | 93.9a | 385.5a | 60.4a | 33.4a |
| N | 65.7c | 283.3c | 44.2d | 21.5d |
| AN | 73.9b | 322.0b | 49.8b | 24.1c |
| A+DCD | 94.3a | 387.3a | 60.7a | 33.6a |
| N+DCD | 67.6c | 291.0c | 44.3d | 23.3c |
| AN+DCD | 73.1b | 317.8b | 47.0c | 26.1b |
| SMC |   | \*\* | \*\* | \*\* | \*\* |
| N |   | \*\* | \* | \*\* | \*\* |
| SMC&N |   | \*\* | \* | \*\* | \*\* |

Note: TRL: total root length; NRN: number of nodal roots; NRL: nodal root length; LRL: lateral root length. Values followed by the same letter in each treatment column are not significantly different at the 5% level by Fisher’s LSD test. \* and \*\* denote the significance levels at the 5% and 1% levels, respectively.

Conclusions

This section is mandatory. Please summarize the main achievements and/or results in this section. Please note that Conclusion section is not duplicated the Abstract section, the authors should only emphasize the most significant findings and may be added the perspective of the research.

Acknowledgements

[OPTIONAL] Please add any acknowledgements here. This is where you can acknowledge colleagues who have helped that are not listed as co-authors, and funding, or only thank you for the reviewers who provide valuable input to each submission.

References

Add reference here. All in-text reference citations must be formatted following the VJAS’s style. For more information, please see our style guide.