

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_126272
Title of the Manuscript:	Influence of Spray Parameters of UAV Sprayer on Droplet Size in Paddy Spraying
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer’s comment	Author’s Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript offers valuable insights into optimizing UAV sprayer parameters for effective pesticide application in paddy fields, making it highly relevant for the agricultural and scientific community. By focusing on droplet size, which plays a critical role in pesticide effectiveness, this study helps pave the way for more efficient, targeted applications, potentially reducing pesticide use and minimizing environmental impact. I appreciate the systematic investigation of nozzle types and spray parameters, as it provides clear guidance on settings to achieve desired droplet sizes. However, further examination of interactions between forward speed, height, and nozzle type could deepen the understanding and applicability of these findings across various crop conditions and UAV models.	
Is the title of the article suitable? (If not please suggest an alternative title)	yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes it is	
Are subsections and structure of the manuscript appropriate?	ok	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript employs a structured approach to analyze the impact of UAV sprayer parameters on droplet size, a crucial factor in pesticide application efficacy. It provides a comprehensive understanding of these factors, making it both scientifically sound and technically valuable for precision agriculture applications.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	No I suggest one more reference and author should Add it Rao, G. M., Prasanna, B. L., KaturiRayudu, V. Y. K., Thrinath, B. V. S., & Gopal, T. V. (2024). Performance evaluation of BLDC motor drive mounted in aerial vehicle (drone) using adaptive neuro-fuzzy. <i>International Journal of Power Electronics and Drive Systems (IJPEDS)</i> , 15(2), 733-743.	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes it is ok	
Optional/General comments	The manuscript enhances precision agriculture by optimizing UAV pesticide spraying for paddy fields. It links droplet size to sprayer parameters, improving application efficiency and reducing environmental impact. The structured approach allows for nuanced understanding of nozzle types, forward speed, and spray height. Further discussion on potential interactions and ecological implications is needed.	

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)	

Reviewer Details:

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