Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_87325
Title of the Manuscript:	Performance of Submergence Tolerant Shallow Lowland Rice Variety Swarna sub-1 under Frontline Demonstrations in East and South Eastern Coastal Plain Zone of Odisha, India
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, 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:

(https://www.journalijpss.com/index.php/IJPSS/editorial-policy)

Created by: EA Checked by: ME Approved by: CEO Version: 1.6 (10-04-2018)

Review Form 1.6

PART 1: Review Comments

The authors proceeded from the need to provide food for the growing population of the country. In fact, the main product in india is rice, which is grown on an area of 43 million hectares. The harvest exceeds 112 million tons of ince with a yell of 2.5 bit, increasing productivity and mechanic for food with producing states in East India, but the state's average rice yield is lower than the national average. Most of this crop is grown on small polso of land under environmental conditions. With a various environmental conditions with varying management practices and constraints such as drought and floods affecting rice yields all lower than the national average. Most of this crop is grown on small polso of land under environmental conditions. With varying management practices and constraints such as drought and floods affecting rice yields and the need for additional nutrients. It also requires adaptation to natural conditions. A scientific study was carried out as part of the University Extension Program of the Odisha Agricultural and Technological University. This program in the flood-prone and shallow low-lying areas of the eastern and southeastern coastal plains of the state of Odisha almed to provide introduce the stress-tolerant variety Swara. 35. In local control plots, farmers followed the existing practice of transplanting Swarna rice. A complete package of practices demonstrated in agricultural fields, including proved variety; recommended and processed using scientific tools. During the rice growing season, various educational activities such as farmer education, diagnosits tours, soil health day, field days, etc. were held. These usic clearly showed that the almost and provides and provides and management of the state of Carbon and the state of the state of Carbon and the state of the state of Carbon and the state of the		Reviewer's comment	Author's comment (if agreed with reviewer, correct the
The authors proceeded from the need to provide food for the growing population of the country. In fact, the main product in India is rice, which is grown on an area of 43 million hectares. The harvest exceeds 112 million tons of rice with a yield of 2.6 tha. Consequently, increasing productivity and meeting the growing demand for food with minimal environmental impact has become a challenge for farmers and scientists. Odisha is one of the largest rice producing states in East India, but the state's average rice yield is long than the national average. Most of this crop is grown on small plots of land under environmental conditions with varying management practices and constraints such as drought and floods affecting rice yields and the need for additional nutrients. It also requires adaptation to natural conditions. A scientific study was carried out as part of the University Extension Program of the Odisha Agricultural and Technological University. This program in the flood-farmed management program of the Odisha Agricultural and Technological University. This program in the flood-farmed and shallow low-lying areas of the eastern and southeastern coastal plains of the state of Odisha almed to promotein movel whying rareas of the eastern and southeastern coastal plains of the state of Odisha almed to promotein movel who area, and a complete package of practices demonstrated in agricultural fields, including improved variety, recommended seeding rate, seed treatment, seeding method, fertilized dosage, were control and plant protection, are classified and processed using scientific tools. During the rice growing season, various educational activities such as farmer education, diagnostic tours, soll health day, field days, set. were held; this result clearly showed that the inger average return on demonstration piots compared to 37.4 chall in the practice plant of the processed using scientific tools. During the rice processed using scientific tools of proven the compared to 17.4 chall in the proposal of the autho			
The authors proceeded from the need to provide food for the growing population of the country. In fact, the main product in India is rice, which is grown on an area of 43 million hears. The harvest exceeds 112 million tons of rice with a yield of 2.6 tha. Consequently, increasing productivity and meeting the growing demand for food with minimal environmental impact has become a challenge for farmers actientists. Oddsha is one of the largest rice producing states in East India, but the state's average rice yields lower than the national average. Most of this crop is grown on small plots of land under environmental conditions with varying management practices and constraints such as drought and floods affecting rice yields and the need for additional nutrients. It also requires adaptation to natural conditions. A scientific study was carried out as part of the University Extension Program of the Odisha Agricultural and Technological University. This program in the flood-prone and shallow low-lying areas of the eastern and southeastern coastal plains of the state of Odisha amount to promote/introduce the stress-tolerant common and the promote of the common of the			mandatory that authors should write his/her feedback here)
	Minor REVISION comments	product in India is rice, which is grown on an area of 43 million hectares. The harvest exceeds 112 million tons of rice with a yield of 2.6 t/ha. Consequently, increasing productivity and meeting the growing demand for food with minimal environmental impact has become a challenge for farmers and scientists. Odisha is one of the largest rice producing states in East India, but the state's average rice yield is lower than the national average. Most of this crop is grown on small plots of land under environmental conditions with varying management practices and constraints such as drought and floods affecting rice yields and the need for additional nutrients. It also requires adaptation to natural conditions. A scientific study was carried out as part of the University Extension Program of the Odisha Agricultural and Technological University. This program in the flood-prone and shallow low-lying areas of the eastern and southeastern coastal plains of the state of Odisha aimed to promote/introduce the stress-tolerant variety Swara.35. In local control plots, farmers followed the existing practice of transplanting Swarna rice. A complete package of practices demonstrated in agricultural fields, including improved variety, recommended seeding rate, seed treatment, seeding method, fertilizer dosage, weed control and plant protection, are classified and processed using scientific tools. During the rice growing season, various educational activities such as farmer education, diagnostic tours, soil health day, field days, etc. were held. These activities benefited the farmers of the average return on demonstration plots over the years, compared to farmer y practices, has been associated with the knowledge and implementation of improved methods. Yield increases due to improved methods ranged from 12.0 to 30.9 percent compared to farmers' practices over the years, compared to fart atol (B : C ratio) for rice cultivation using improved methods was found to be 1.42, 1.60 and 1.80 compared to 1.31, 1.38 and 1.39 for the mana	
otional/General comments	Optional/General comments		
THE TABLE OF THE T	- Priorita Goriora		

PART 2:

		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:

Name:	Victor Stukach
Department, University & Country	Omsk State Agrarian University, Russia

Created by: EA Checked by: ME Approved by: CEO Version: 1.6 (10-04-2018)