



SDI Review Form 1.6

Journal Name:	Asian Journal of Soil Science and Plant Nutrition
Manuscript Number:	Ms_AJSSPN_43886
Title of the Manuscript:	Predicting Maize Performance Using Normalized Difference Vegetation Index and Nitrogen Application
Type of the Article	Original Research Article

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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:

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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	Suggestions for title: Prediction of Nitrogen Application in Maize Based on the Normalized Difference Vegetation Index (NDVI) Suggestions to improve the understanding of the methodology: 2. MATERIALS AND METHODS 2.1 Description of Study Location and Seed Material Field experiment was carried during the raining season between June and October of 2015 at the Ladoke Akintola University of Technology (LAUTECH) at Teaching and Research Farm, Ogbomoso (on latitude 8° 10' N, longitude 04° 10' E and elevation 1,286 m above sea level), Nigeria, with mean annual rainfall of 1,000 mm [8]. The study aimed to evaluate the influence of different nitrogen levels on the performance of maize. Nine maize hybrids obtained from the International Institute of Tropical Agriculture (IITA), eight of which were selected from an on-going drought tolerant maize trial (ADL 32 × ADL 35, ADL 32 × ADL 36, EXL 32 × ADL 39, EXL 06 × ADL 39, EXL 15 × EXL 04, EXL 01 × EXL 05, LY1001-22, LY1001-23) and one (Oba Super 2) which is a commercial hybrid as check. 2.2 Treatments and Experimental Design The experiment was carried out in randomized complete block design with three replicates and nine maize hybrids were subjected to five nitrogen levels (0, 80, 100, 120 and 140 kg N ha⁻¹). According to the results, the experiment was conducted in a factorial scheme, better describe this information. 2.3 Crop Conduction and Management In this subsection place the text of the lines 42-49. Necessary information's: characterization of the type of soil used; there was irrigation, how the irrigations preceded, irrigation management, the method used? 2.4 Variables Evaluated 2.4.1 Growth and Yield of the Maize Plant height and number of leaves at 4, 6, 8 and 10 WAP were collected in each plot. Other data taken included yield and yield component, as follows: cob weight (CW) was obtained by measuring the weight of the cobs harvested (kg ha⁻¹), grain weight (GW) obtained by shelling all ears harvested from each plot and a representative grain sample was taken to determine percent moisture. GW measured in kg ha⁻¹ adjusted to 15% moisture content was calculated from grain weight and percent moisture. Harvest index of cob (HIC) and harvest index of grain (HIG) was calculated by dividing the cob and grain weight, respectively, by the total biomass weight. 2.4.2 Normalized Difference Vegetation Index (NDVI) In this subsection place the text of the lines 58-62. 2.5 Statistical Analysis In this subsection place the text of the lines 63-67.	



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	Because the nitrogen levels have not been evaluated by regression analysis? 3. RESULTS For texts do not get too repetitive, separate the variables in common. 3.1 Plants Height and Number of Leaves of Maize 3.2 Yield of Maize 3.3 Normalized Difference Vegetation Index of Maize In the REFERENCES The references are all incorrect. Consult publication of paper in this Journal.	
Minor REVISION comments		
Optional/General comments		

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