**IF I COULD INVENT SOMETHING NEW**

This essay has given me the opportunity to be able to share my idea of an invention which will be a solution to the problem faced by farmers in the agricultural sector of Nigeria.

To combat the problems faced by Nigerian farmers, I propose my invention; the Solar Harvester, which is a modification of the already existing harvester. The solar harvester is a solar powered machine with multiple features and capabilities, it runs with a solar powered engine and does not need an exhaust pipe. The solar panels powering the harvester are placed at the top of the harvester, the engine of the harvester works entirely on solar; eliminating the need for diesel or petrol, which also prevents the release of harmful gases into the environment; thereby preventing pollution which is a threat to the growth of plants.

In addition to the solar panels, are the battery reserves which store energy not used by the harvester. Through this, the harvester can be used at any time by the farmer. When not charged, the battery reserves can power the tractor non-stop for 72 hours, this is in case of areas where there is little sunshine.

Also the harvester contains a water cooling system which will be used by the engine to prevent overheating and a water tank with a capacity of 1500 liters for irrigational purposes. The solar harvester is a multitasking machine which will be able to carry out effectively the activities of sowing, watering and the harvesting of crops at the same time.

The solar harvester will be able to solve the problems of lack of labourers and equipment for farming, slow rate of growth of crops due to pollution of the environment, lack of water for crops, the need for petrol and diesel in running farm machine which in turn leads to the emission of carbon and other gases into the environment which causes pollution and at times global warming.

. The solar harvester comes with a four wheel drive system and an evasive maneuver system in case of mud and other climatic situations, the solar panels are water resistant in case of rain fall. The solar harvester if managed well and properly kept has a life span of 25 years, so farmers do not have to worry about it spoiling fast or immediately. The solar harvester is a way forward, an improvement for the agricultural sector and a betterment to the lives of farmers if invented.

In conclusion, I hope that my invention would be of help to my society and the world at large, and that it will be able to boost the agricultural sector of countries in Africa and the world at large.

**ISANG, EDIDIONG VICTOR**

JS2

Federal Government Girls’ College Ikot Obio Itong

Akwa Ibom State.