Int. J. Agricult. Stat. Sci. Vol. 16, Supplement 1, pp. 1891-1896, 2020 www.connectjournals.com/ijass
DocID: https://connectjournals.com/03899.2020.16.1891 ISSN : 0973-1903, e-ISSN : 0976-3392

ORIGINAL ARTICLE

EFFECT TYPES AND LEVELS OF DIFFERENT ORGANIC FERTILIZERS ON PRODUCTIVITY OF CHARD'S PLANT (*BETA VULGARIS* L.) IN IRAQI SOILS

Razzaq Ghazi Neghamish* and Asaad Abdullah Sfook[1]

College of Agriculture, Thi-Qar University, Iraq.
[1]Directorate General of Education in Thi-Qar, Ministry of Education, Iraq.
E-mail: razzaq_gha@yahoo.com

Abstract: The study was conducted on sandy soil, which is located in the Agriculture College of Thi-Qar University to determine the effect of the type and level of organic fertilizer (O.F) on the quality and yield of chard. The composts which are used during the study were local compost (Al-Shatra) by two levels which are 1 and 2 kg/m^2, local compost by two levels 1 and 2 kg/m^2 area for foreign compost by two levels which are 1 and 2 kg/m^2 area and a mixture of local compost and foreign. Cultivation was conducted in the field, the design of experiments was Complete randomized block design, nine treatments and three replications were used in the experiments. The best treatment at reducing ammonia volatile was (la) treatment (2 kg/m^2 foreign fertilizer), the most ammonia volatilization period occurred at the third week which was 5866.79 mgNH_3/m^2 area. All types of organic fertilizers and levels performed significantly in the reduction of ammonia volatiles values from the soil and increase plant height, leaf surface area, chlorophyll, dry and wet materials for chard's plants.

***Key words*:** Ammonia volatile, Chard's plant, Organic fertilizer, Productivity.

Cite this article

Razzaq Ghazi Neghamish and Asaad Abdullah Sfook (2020). Effect Types and Levels of Different Organic Fertilizers on Productivity of Chard's Plant (*Beta vulgaris* L.) in Iraqi Soils. *International Journal of Agricultural and Statistical Sciences*. DocID: https://connectjournals.com/03899.2020.16.1891