

The effect of different rates of selenium on grain Se concentration and yield of MR219 rice (*Oryza sativa* L.)

ABSTRACT

Selenium (Se) is one of the important micronutrient for human and animal. There is a relationship between the level of selenium in food system and the levels of plant-available Selenium in soil. This study was carried out on rice to observe the effects of addition of different Selenium rates on yield and Se concentration in rice. A field trial carried out with five different Selenium rates did not show significant effects on MR219 rice variety yield, grain Selenium concentration and soil Selenium concentration.

Keyword: Selenium; Rice; Human health; Soil