

## Abstract

Research on enhance organic vegetables production of Royal project was aimed to the trial using bio-product for reducing arsenic heavy metal in soil in grow organic vegetables and study kind of the material for roof cover the greenhouse in grow organic vegetables was plastic, net and spunbond . An activity include, (1) The trial using bio-product for reducing arsenic heavy metal in soil in grow pointed cabbage, red oak, mustard and cos. The result showed that the strewing with 3 Kg. manure mix bio-product for reducing arsenic heavy metal in soil per 1 m<sup>2</sup> area and spraying 2 liter bio-product for reducing arsenic heavy metal in soil per 20 liter water every 7 day gave arsenic heavy metal in soil highest decline form 11.23 mg/Kg to 5.51 mg/Kg or it can reduce at 50.93%. For root and plant meet arsenic heavy metal in lower standard level. (2) The study kind of material for cover the greenhouse in the organic mustard and organic kale plant showed that using the plastic roofing and net around greenhouse gave the highest growth and yield.

