Effect of Mulching and Irrigation on Growth of Sweet Pepper 1

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Key word: Mulching, Irrigation, Sweet pepper

SUMMARY

Mulching showed the advantage in reducing the extreamely variation in soil moisture and temperature which can stabilize the growth of vegetables. It enhenced the early growth of sweet pepper.

Spring crop with mulching showed much better growth than fall crop in (1) plant height, number of branches, dry weight of stem, leaf and root, and plot yield of sweet pepper. In sweet pepper, dry weight of leaf and stem, fruit yield and number of branches increased 33, 70 and over 100%, respectively.

There is no significant in plant growth between treatments using drip and furrow irrigation.

Mulching induced shallow root distribution, furrow irrigation increased the depth of vertical root distribution. Dry weight of root was not significantly affected by mulching and irrigation.

Mulching Showed the higher micro-element and non-significant in macro-elements on leaf nutrient concentration of sweet pepper.

¹ Part of the M.S. thesis of the author.

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