

# Effect of Corn Cob Compost on the Qualities and Yields of Cabbage<sup>1</sup>

Mou-Shen Chang and Tai-Chun Chou<sup>2</sup>

Key Words: Cabbage , Corn Cob , Compost

## SUMMARY

The study was carried out at Taitung city after second rice crop in Dec. 1986. Experiments consisted of treatments of 0, 10 and 20 tons / ha fresh corn cob powder. Each treatment was under two levels of N.P.K. fertilizer (N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O, 300-80-150 and 200-50-100 kg / ha ). Results showed the application of fresh composted corn cob inhibited the growth of cabbage and caused quality deterioration and yield reduction. The application of 20 ton / ha of fresh powders corn cob decreased the yield of cabbage by 35%. About 10% and 6% of yield decrease were also found in the 20 tons / ha and 10 tons / ha semi-fermentated corn cob were applied respectively. The high yield of cabbage was obtained in the treatment of high level of N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O(300-80-150 kg /ton) , and 11% of yield decreased as the low level of N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O was applied.

---

1.Acknowledgement to Council of Agricultural Development for financial responding.

2.Assistant agri-chemist and assistant , Taitung D.A. I. S. respectively.