

B-03: Effect of shade and mulch on yield of cabbage [*Brassica oleracea* var *capitata*]

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The effect of shade and mulch on cabbage yield during summer were evaluated in sandy regosols. The results showed that shade by pigeon pea reduced root length, root weight, heading efficiency, heading rate, head volume, soil temperature and head yield, but increased the soil moisture content.

The root length, weight and plant biomass were not affected by mulches without shade. Napier mulch without shade increased heading efficiency, heading rate, mean head weight, head volume and yield.

The study concludes that cabbage can be successfully cultivated during summer (Yala) in the sandy regosols with or without the application of mulches, but yield could be maximized by the application of Napier mulch without shade. This is also highly remunerative.