

Efficacy of organic manures on growth and yield of radish (*Raphanus sativus* L.) cv. JAPANESE WHITE

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SUMMARY

A field experiment was conducted at Horticulture Research Farm, Babasaheb Bhimrao Ambedkar University, Lucknow to study the influence of organic source of nutrients on growth and yield of radish cv. Japanese White. The experiment consisted of 11 treatments laid out in randomized block design with three replications. The growth parameters were recorded at 15 days interval. It was seen that the plant height was significantly increased by the application of organic manures and it was maximum under treatment T₉ i.e. Vermicompost + poultry manure (50% each). Similarly, vermicompost+poultry manure 50% each (T₉) recorded highest number of leaves. Root length and root diameter were significantly influenced by organics at harvest. Highest root length (18.91 cm) was recorded with vermicompost (50%) + poultry manure (50%). The treatment was also proved to be better for fresh and dry weight of plant as well as roots and recorded highest in vermicompost (50%) + poultry manure (50%) treatment. The study suggested that application of poultry manure (50%) + vermicompost (50%) was found more beneficial and significantly improved growth and yield of radish var. Japanese White grown under Lucknow condition.

Key Words : Radish, Organic manures, Nutrition, Growth, Yield

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