

## **Effect of spring and summer plantation of commercial carrot cultivars on quality and quantity of production**

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In order to determine the best planting date for improved cultivars of carrots, this experiment was conducted on a strip plot design with 4 replication. Three cultivars (Nantes, Tiptap, Feonia noba and Chanteney red core) and 5 planting date (4 May, 24 May, 13 June, 3 July, 23 July) were studied. During the growing period, seed germination percentage, plant stand, plant health, height and maturity were recorded. Root characteristics such as root shape, size, color, core size, infections and disease were also recorded after harvest. Yield of each plot was separately recorded and Anova was run for each year and also for average of 2 years.

Means were compared by DMRT. To determine the quality of crops, sugar content, acidity, dry matter were also measured.

Results showed that, Nate tiptap at planting date of 4 May and 3 July have the highest yield and best quality among treatments.