

Strawberry Yield of North American Varieties in Nonfumigated Fields in South Brazil

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The goal of this work was evaluated the yield and quality of strawberry varieties in nonfumigated fields looking for the most promising to produce in the southern Brazil region. The cultivars studied were Camarosa, Diamante, Aromas, Ventana, Albion, Camino Real, Earlibrite, Festival and Sabrosa. The experiment was carried out at Embrapa Temperate Climate, Pelotas, RS, Brazil, where the plants were cultivated under low tunnels system in double rows and nonfumigated soil. The plantlets were imported from Chili and Argentine nurseries being planted in July 2009. Weekly, from September until December, strawberries were harvested in each plot and were evaluated regarding to fresh weight fruit, number of fruit, yield, diameter and misshape. The experimental designer was randomized blocks with four repetitions being the experimental unit composed for 12 plants. All cultivars had the same behavior regarding the production cycle with the peak production in November. Cultivars Florida Festival and Camarosa had the highest yield and highest number of fruit per plant, while the others cultivars showed the highest fresh weight of fruits.

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