

IX International Symposium on Plum and Prune Genetics, Breeding and Pomology

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Ten European plum cultivars (**Prunus domestica** L.), which should be according to the literature data tolerant or resistant against PPV, were planted in spring 2003 at Fruit Growing Centre Bilje (Slovenia). Phenological data (flowering and ripening time), flower and fruit set, yield and pomological data (fruit dimensions and bloom, fruit color, soluble solids content, titratable acids,...) were collected from 2005 to 2007 for cultivars 'Pitestean', 'Čačanska rana', 'Čačanska lepotica', 'Čačanska rodna', 'Čačanska najbolja', 'Jojo', 'Herman', 'Valjevka', 'Ruth Gerstetter' and 'Stanley' (standards). Fruits have been tested by panelists for sensorial characteristics (taste, aroma, sweetness/sourness,...). First results show that 'Jojo' is the most precocious among other cultivars, beside this cultivar also 'Čačanska lepotica' and 'Stanley'. The highest yield in 2006 was picked from 'Jojo', 'Pitestean', 'Čačanska rodna' and 'Čačanska najbolja'. The results show that 'Jojo' was characterized by the best taste and the highest fruit quality among tested cultivars and 'Pitestean' with the lowest taste and bitterness. Fruits of all cultivars, except 'Pitestean', were ascertained as moderately aromatic. 'Stanley', 'Jojo', 'Čačanska najbolja', 'Čačanska lepotica', 'Pitestean' and 'Valjevka' were cultivars with deep blue skin, 'Čačanska rana', 'Čačanska rodna' and 'Herman' with blue violet skin.