Yield and quality performances of ten potato cultivars from different maturity group were evaluated in 2008 and 2009 cropping seasons at research farms of Süleyman Demirel University, Isparta. Data was collected for each crop season and averages of two years means were used. Results showed large variations for examined parameters; plant height changed between 49.0-77.1 cm, number of main stem per hill was 2.8-4.1, number of tubers per hill was 6.3-9.2, marketable tuber yield was 1099-5525 kg/da, small sized tuber yield was 335-934 kg/da, tuber yiled per hill was 533-1630 kg and total tuber yield was 1707-5901 kg/da. The highest tuber yield was obtained from early maturing cultivars Florice (5901 kg/da) and Safran (4110 kg/da), and the lowest yield was obtained from mid-early cultivar, Aurea (1707 kg/da). Potato cultivars were significantly different in terms of quality characters. While processing cultivars had higher dry matter rate, cips yield and better cips color values, cooking cultivars had higher protein contents.