Sales of grape tomatoes have increased sharply since their introduction into the market in the 1990s. The quality of grape tomatoes sold in supermarkets however, now varies widely. In order to help New Jersey farmers take advantage of this market a superior flavored variety was identified and a brand name and logo developed (Jersey Jems TM). Grower cooperators have grown this select grape tomato variety and test marketed the brand through wholesale and retail channels. Unfortunately, this variety may no longer be available from the seed company. In order find a suitable replacement, grape tomato variety field trials were conducted as well as taste evaluations. Challenging weather conditions in the late summer and fall of 2011 ended these trials early and none of the varieties performed consistently well in the taste evaluations. Further evaluations are needed to identify a new variety or varieties that New Jersey growers can market under the Jersey Jems TM brand name and logo.