

Study and Research on suitable varieties of apple for producing apple concentrate and compote

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In this experiment, suitable varieties of apple for producing apple concentrate and dried apple, were studied in two years of trial, with local varieties of apple, i.e. Sib Golab, Ghzel alma, Ghrah yaprag, Torkman, Torsh apple, shaikh Ahmad, Ghandy, Ardy, Dierace mashhad, Nory maragheh, Boshgabi, and also foreign varieties such as, Golden delicious, Red delicious, Jonathan, and Grany smith.

Chemical and physical experiments such as, measurement of invert sugar, Total sugar, saccharose, pH, acidity, brix, humidity, dry material soluble in water, total dry material, average weight, evrag of diameter, efficiency of dried apples, physical form, surface color, taste, color, were done on fruit of every variety.

After doing of these experiments, Shaikh Ahmad and Dierace mashhad varieties were recognized the best varieties for concentrate because of high acidity.

SibGolab is the best variety with 12/9 percent of efficiency for producing apple clips (dried apples).