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Czech J. Food Sci.

Rusinek R., Rybczyński R., Tys J.,

Gawryslak-Wituiska M., Nogala-Kałucka M., Siger A.:

The process parameters for non-typical seeds during simulated cold deep oil expression

Czech J. Food Sci., 30 (2012): 126-134

We have determined the parameters of c expression process for non-typical seeds of oil-producing plants, such as quince tree, safflower, fennel-flower, cuckoo-flower, tarweed, lallemantia, sea-buckthorn, borage, evening primrose, mustard, and others. The relative moisture of most of the seeds tested ranged from 5.5% to 8.9%. The values o the oil point pressure obtained for the seeds permitted detailed classification of the plant species under study into 7 seec hardness groups. The largest group belonged to the pressure range from 10 to 15 MPa (oil flax, spring rapeseed cvs

Bronowski, Mazowiecki, and Star, spring rape cv. Porkland and local population, o radish, spring camelina, mustard cv. Małopolska, evening primrose cv. UWM) The oil content in this group was above 30%, and in the case of rapeseed cv. Mazowiecki and Bronowski it was 40%. The values of compression energy