

Cost and profitability of *Coffea arabica* L. (cv. Obatã IAC 1669-20) for the midwest  
region of São Paulo State, Brazil

The Brazilian coffee occupying a prominent place in the world scenario for its high production, with the use of technologies, with emphasis on the launch of new cultivars, grafted seedlings, mechanization, irrigation and used of good practices harvesting and post-harvest, with positive impacts on productivity, competitiveness and final product quality. As it is a product with economic relevance, the objective of this study is the production cost and its economic indicators, of the cultivar Obatã 1669-20 grafted on Apoatã IAC 2258 being the cultivar most planted by regional coffee growers. The agronomic data were obtained from a field experiment whose production system effectively represents the reality of the central west region of the state of São Paulo, Brazil. Were raised the effective and total operating costs (CARP) and productivity were for the period from 2016 to 2021. The data used for the structuring of technical coefficients were collected from the producer. At the same time, a scientific experiment was carried out, simulating a production system to verify production rates at Fazenda Recreio, in Vera Cruz – SP. The concept of effective and total operational cost and profitability used by the Instituto de Economia Agrícola - IEA was used. The coffee biennial and a very evident distinction in the Obatã 1669-20 cultivar, it is observed that the 2017/2018 and 2019/2020 harvests were of high productivity with 70.2 and 95.2 bags per hectare respectively. In the 2018/2019 crop, profitability was negative at -18.1%, as there was a break in the crop due to weather problems, mainly lack of rain and high temperatures in the most important periods of the culture, as such flowering and graining. The prices obtained by the producer are one of the most important items to be observed, as in 2019 the value was US\$127.25 with the emergence of the COVID-19 pandemic in 2020 causing the price to rise in 2021 reaching US\$189.47. The estimate of the effective operating cost for the year 2021 it arrived 21.3% more compared to the year 2020, and the total operating cost to 19.6%, this was due to the significant increase in the prices of inputs as a result of the global economic instability and the COVID-19 pandemic. The best profitability was in the 2019/2020 crop, reaching 73.74%, in the six the crop years studied.