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Title: Production ecology of oleoresin from diff Authors: Martins, Karina; Herrero-Jáuregui, (Roberto; Turcatel, Rafael; Bentes-Gama, Mich Thema: 2. Producing for development Subtheme: 2.7 Non-wood forest products Abstract of the paper: Copaifera species pi	erent species of copaiba (Copaifera spp) in the Brazi Fistina; Costa, Patrícia Da; Tonini, Hélio; Oliveira, J elliny De Matos; Vieira, Abadio Hermes; Araújo, Evan roduce a type of oleoresin, popularly known as cop	lian Amazon lane Maria Franco De; Schwengber, Dalton ndro Aquino De; Lima, Lilian vaiba oil that is used in traditional medicine
mainly as an anti-inflammatory and to spea industries, which makes it an important source copaiba oleoresin remains unknown, due in p factors that influence its production. A better sustainability of extraction, under current sce questions: (a) Is there a difference in the volu- the tree characteristics influence oleoresin p Copaifera trees above 40 cm DBH belonging Brazilian Amazonian States. Variables consid- hollows, termites or lianas, were recorded. Tr season and the frequency of extraction on o seasons during a 2.5-year period. We analy categorizing production of 50 mL as commert was significantly higher than that of C. sp, wh this difference disappeared. Oleoresin volum from the other two species. None of the variat did negatively influence the volumes obtained collected. It is still not possible, however, to de differ among species. Support: Projeto Kamuk Email: kmartins@ufscar.br, crherrero@bi	d the healing of wounds. It is also widely commu- e of income for many Amazonian extractive commu- art to the lack of comparative studies about the prod understanding of its ecology is necessary to deve iarios of increasing extraction pressure. The preser- me of oleoresin produced by the various existing Co- roduction? (c) How do different extraction events a g to three species (C. reticulata Ducke, C. pubilfora ered affecting oleoresin production, such as crown fi- unks were drilled and the oleoresin flow was collectu- leoresin production, trees were tapped either every zed the effect of measured variables on oil produc- ially viable. The proportion of Copaifera reticulata tr ere only 18,8% of trees produced oil 0mL. Considerin as obtained from productive trees of C. pubilfora wi- les had a significant effect on the proportion of produ- l. Consecutive extraction events diminished the prop- termine the best time interval between successive cr aia/EMBRAPA, Projeto Floresta Em Pé.	ercialized in pharmaceutical and cosmetic unities. However, the production ecology of luctive potential of different species and the elop management plans that guarantee the th work is being conducted to answer three opaifera species in Amazonia? (b) Which of affect oleoresin production? A total of 111 a Benth and C. sp.), were selected in four form and position, DBH, height, presence of ed during 24 hours. To test the influence of of 6 or 18 months, alternating rainy and dry stion, considering all volumes above 0 mL, rees that produced some oleoresin (54,2%), ng commercial production (50mL), however, ere significantly higher than those obtained uctive trees, though the presence of hollows portion of productive trees and the volumes ollections, and whether rates of oil decrease afrr.embrapa.br, jane@cpafrr.embrapa.br,
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