

*Study on the Integrated Cultural Practices to Promote
the High Yield of Mature Trees of Walnut*

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Abstract : Two experiments were carried out, from 1987~1990 in two Walnut orchards in Beijing and Shanxi, China, to study the effects of the integrated cultural practices to promote the high yield of mature trees of Walnut. The results showed that the integrated cultural practices not only raised the tree growth and the nut yield, but also increased the content of organic matter and improved the fertility of soil. The numbers of cultural practices integrated were positively related to the increasing scope of nut yield in some extent. The best consolidated treatments were found in two sites. The application of the cultural practices to Walnut production was also discussed.

Key words Walnut; high yield; integrated cultural practices

森林害虫生物防治考察组赴苏访问

根据中华人民共和国林业部与苏联国家林业委员会之间签署的“关于林业科研合作协定”，中国林科院林研所组成的森林害虫生物防治专家考察组一行四人，于1991年8月12~25日访问了苏联。考察组由林研所周淑芷副所长任组长，成员有昆虫三室主任陈昌洁副研究员、戴莲韵副研究员和院外事处赵志欧副处长。考察组的主要任务是，全面了解苏联森林害虫生物防治研究现状，为1991年年底中苏两国政府间科技合作谈判提供背景建议。根据苏联林委的安排，考察组访问了全苏应用微生物科学研究所(莫斯科)、全苏林业和林业机械化研究所(莫斯科)、白俄罗斯林业研究所(戈麦里)、白俄罗斯植物保护研究所生防室(明斯克)。访问中和科技人员广泛进行了交流和讨论，考察了实验室、实验林场、苗圃和作业区等。通过重点考察白俄罗斯林业研究所及其生物防治研究室，较全面地了解了苏方生物防治科研的方向、任务、成果；微生物杀虫剂的研制、生产概况以及采用科研、生产、使用三位一体的科研路线，使科研尽快转化为生产力。通过访问，加深了中苏两国科研人员的了解，取得了有关技术资料 and 细菌制剂样品，为今后中苏双方开展以生物防治，特别是利用病原微生物防治森林害虫方面的合作研究奠定了基础。

(虫工)