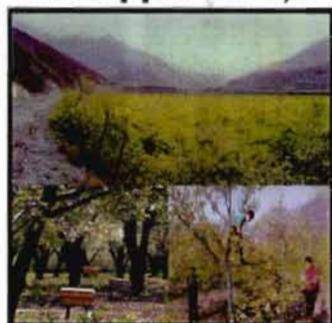


See also ...

Warning Signals from the Apple Valleys

WARNING SIGNALS FROM THE APPLE VALLEYS



A film by Uma Partap



INTERNATIONAL CENTRE FOR INTEGRATED MOUNTAIN DEVELOPMENT
Kathmandu, Nepal



AUSTROPROJEKT GHSB, AGENCY FOR TECHNICAL COOPERATION
Vienna, Austria

A film by Uma Partap

October 2001

Language: English

Playing time: 31 min 7 sec

Format: VHS

Price: US\$ 20.00 (Developed Countries)
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This video, shot in apple valleys in Himachal Pradesh (India), the Northern Areas and Balochistan Province of Pakistan, and Maoxian county of China, highlights the pollination problems faced by apple farmers (and farmers of other crops) in the Hindu Kush-Himalayan region. The importance of apples in the economy of mountain areas is shown, together with the problem of declining apple productivity due to inadequate pollination. Excellent shots illustrate the major causes: insufficient pollinizers (trees), lack of pollinating insects, and bad weather conditions (climate change). The film shows how some farmers manage apple pollination — large-scale use of pollinizer bouquets to increase the proportion of pollinizers and use of honeybees as pollinating insects in Himachal Pradesh, India; and hand pollination in Maoxian county China.

about the authors

Uma Partap

Uma Partap is a Research Officer for pollination in the ICIMOD Beekeeping Project. She has a Ph.D. in Biological Sciences from Himachal Pradesh University, Shimla, India and eighteen years of research experience that covers diversified fields including drought eco-physiology and pollination ecology. At ICIMOD, Dr. Partap has been instrumental in establishing the crop pollination programme under the Mountain Farming Systems Division. At present, she is studying pollination issues in mountain crops and focusing on raising awareness among agricultural planners, policy-makers, researchers, and farmers in the Hindu Kush-Himalayan region about the importance of managing crop pollination and the use of bees for this purpose. She has published various books and manuals in English and regional languages (Hindi, Nepali, and Urdu) and about forty research papers on such topics as bee pollination, bee flora, honeybee behaviour and drought eco-physiology, as well as produced a video film highlighting apple pollination issues in the HKH region.

Tej Partap

Tej Partap is Vice Chancellor of the CKS Himachal Pradesh Agricultural University, Palampur, India. He has a Ph.D in Agroecology from Himachal Pradesh University, Shimla, India and twenty-five years of experience in the field of mountain agriculture. He headed the Mountain Farming Systems Division of ICIMOD from July 1994 to December 2000. Dr. Partap is a Honorary Professor of Mountain Agriculture at the Tibet Academy of Agriculture and Animal Sciences, Lhasa, where he has been an advisor on research, planning and human resources development for highland agriculture since 1995, and an Honorary Professor in Mountain Agriculture at the Institute of Geographical Sciences and Natural Resources, Chinese Academy of Sciences, Beijing. Dr. Partap is an active promoter of cooperation and exchange of knowledge and information between the mountain regions of the world, and is currently Vice Chairman of the Himal-Andes Initiative. In 2000 he was elected representative of Asia Pacific Mountain Network on the Board of Directors of the Mountain Forum. Dr. Partap has authored/edited twelve books and over fifty research papers in peer reviewed journals, and produced five video films.

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