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Nota di contenuto	NEEM -- Copyright -- Preface -- Contents -- Foreword -- 1 The Vision -- 2 The Reality -- DISADVANTAGES -- Lack of Experience -- Genetic Variability -- Lack of Registration -- Lack of Standards -- Conflicting Approaches -- Economic Uncertainties -- Handling Difficulties -- Geographical Limitations -- Planting Difficulties -- Silviculture Difficulties -- Instability -- Health Hazards -- Environmental Safety -- Slow Action -- Damage to Plants -- Method of Application -- Protecting the Tree -- Medical Limitations -- Synthetic Competition -- 3 The Tree -- DESCRIPTION -- DISTRIBUTION -- PROPAGATION -- GROWTH -- PROBLEMS -- Pests -- Diseases -- Nutrient Deficiencies -- Other Problems -- 4 What's in a Neem -- LIMONOIDS -- Azadirachtin -- Meliantriol -- Salannin -- Nimbin and Nimbidin -- Others -- PRODUCTION -- Water Extraction -- Hexane Extraction -- Pentane Extraction -- Alcohol Extraction -- FORMULATIONS -- Additives -- METHODS OF APPLICATION -- SYSTEMIC EFFECT -- 5 Effects on Insects

-- INSECTS AFFECTED -- Orthoptera -- Homoptera -- Thysanoptera -- Coleoptera -- Lepidoptera -- Diptera -- Hymenoptera -- Heteroptera -- EXAMPLES -- Desert Locust -- Cockroach -- Brown Planthopper -- Stored-Product Insects -- Armyworm -- Colorado Potato Beetle -- Leafminers -- European Corn Borer -- Mosquitoes -- Aphids -- Fruit Flies -- Gypsy Moth -- Horn Flies -- Blowflies -- 6 Effects on Other Organisms -- NEMATODES -- SNAILS -- CRUSTACEANS -- FUNGI -- Aflatoxin -- PLANT VIRUSES -- NONTARGET SPECIES -- Earthworms -- Beneficial Insects -- 7 Medicinals -- FUNGICIDES -- ANTIBACTERIALS -- ANTIVIRAL AGENTS -- DERMATOLOGICAL INSECTS -- DENTAL TREATMENTS -- CHAGAS' DISEASE -- MALARIA -- PAIN RELIEF AND FEVER REDUCTION -- BIRTH CONTROL -- VETERINARY MEDICINE -- Controlling Insects -- Controlling Bacteria -- Controlling Intestinal Worms -- A WORD OF CAUTION.

8 Industrial Products -- NEEM OIL -- Soap -- Cosmetics -- Lubricants -- FERTILIZERS -- Neem Cake -- Neem Leaves -- TIMBER -- FUEL -- OTHER PRODUCTS -- 9 Reforestation -- ESTABLISHMENT -- ASIA -- India -- Burma -- Indonesia -- Pakistan -- Philippines -- Saudi Arabia -- Thailand -- AFRICA -- Senegal -- Ghana -- Niger -- Nigeria -- Mali -- Sudan -- THE AMERICAS -- Haiti -- United States -- THE PACIFIC -- 10 Next Steps -- GENERAL ACTIONS -- PESTICIDE RESEARCH -- Preparation of Extracts -- Studies of Effectiveness -- Modes of Action -- Formulation of Products -- Safety -- Pest Resistance -- Human Resistance -- Specialized Uses -- STRUCTURAL ANALYSIS -- NEEM OIL RESEARCH -- Oil Purification -- Product Development -- NONINSECT PESTS -- HUMAN HEALTH -- VETERINARY MEDICINE -- GENETIC IMPROVEMENT -- BIOTECHNOLOGY -- REFORESTATION -- Wood Products -- Fruit Orchards -- Agroforestry -- Plant Viruses -- Plant Bacteria -- RELATED SPECIES -- APPENDIX A Safety Tests -- APPENDIX B BREAKTHROUGHS IN POPULATION CONTROL? -- NEEM OIL FOR THE "MORNING AFTER -- NEEM OIL AS SPERMICIDE -- NEEM-LEAF EXTRACT TO REDUCE MALE FERTILITY -- APPENDIX C REFERENCES AND SELECTED READINGS -- CONFERENCE REPORTS -- NEWSLETTER -- BIBLIOGRAPHY -- THE VISION (CHAPTER 1) -- THE REALITY (CHAPTER 2) -- THE TREE (CHAPTER 3) -- WHAT'S IN A NEEM (CHAPTER 4) -- EFFECTS ON INSECTS (CHAPTER 5) -- EFFECTS ON OTHER ORGANISMS (CHAPTER 6) -- MEDICINALS (CHAPTER 7) -- INDUSTRIAL PRODUCTS (CHAPTER 8) -- REFORESTATION (CHAPTER 9) -- NEXT STEPS (CHAPTER 10) -- APPENDIX D RESEARCH CONTACTS -- ASIA -- Bangladesh -- India -- Indonesia -- Malaysia -- Pakistan -- People's Republic of China -- Philippines -- Sri Lanka -- Thailand -- PACIFIC -- Australia -- New Zealand -- AFRICA -- Ghana -- Kenya -- Mauritius -- Nigeria -- Rwanda -- Senegal -- Tanzania -- Togo -- EUROPE -- Belgium -- France -- Germany -- Netherlands. Switzerland -- United Kingdom -- MIDDLE EAST -- Israel -- The Sudan -- CENTRAL AND SOUTH AMERICA -- Argentina -- Brazil -- Costa Rica -- Ecuador -- Haiti -- Nicaragua -- NORTH AMERICA -- Canada -- United States -- APPENDIX E Biographical Sketches of Panel Members -- The BOSTID Innovation Program -- Board on Science and Technology for International Development -- HOW TO ORDER BOSTID REPORTS -- ENERGY -- TECHNOLOGY OPTIONS -- PLANTS -- INNOVATIONS IN TROPICAL FORESTRY -- MANAGING TROPICAL ANIMAL RESOURCES -- HEALTH -- RESOURCE MANAGEMENT -- BOSTID Publication Distributors -- U.S.: -- Europe: -- Asia: -- South America: -- Africa: -- Australasia:.

Sommario/riassunto

The neem tree, one of the most promising of all plants, may eventually benefit every person on the planet. Probably no other plant yields as many varied products or has as many exploitable by-products. Indeed,

as foreseen by some scientists, this tree may usher in a new era in pest control; provide millions with inexpensive medicines; cut the rate of population growth; and perhaps even reduce erosion, deforestation, and the excessive temperature of an overheated globe. On the other hand, although the enthusiasm may be justified, it is largely founded on exploratory investigations and empirical and anecdotal evidence. The purpose of this book is to marshal the various facts about this little-known species, to help illuminate its future promise, and to speed realization of its potential.
