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Nota di contenuto	CONTENTS; 1. A BRIEF HISTORY; 2. THE BIOLOGY OF NEUROSPORA; 3. GENOME AND MITOSIS; 4. MEIOSIS, GENETIC ANALYSIS, AND RECOMBINATION MODELS; 5. MUTATIONAL, BIOCHEMICAL, AND MOLECULAR RATIONALES; 6. CARBON METABOLISM; 7. NITROGEN, SULFUR, AND PHOSPHATE METABOLISM; 8. MITOCHONDRIA; 9. DNA, RNA, AND PROTEIN SYNTHESIS; 10. STRESS; 11. METABOLIC INVESTIGATIONS; 12. GROWTH AND FORM; 13. CELL RECOGNITION, POPULATION BIOLOGY, AND EVOLUTION; 14. GENETIC, BIOCHEMICAL, AND MOLECULAR TECHNIQUES; APPENDIX A. NEUROSPORA GENETIC NOMENCLATURE; APPENDIX B. GENETIC MAPS OF N. CRASSA; FIGURE AND TABLE CREDITS INDEX
Sommario/riassunto	1. A Brief History. Discovery. Original genetic studies. The question of gene action. Later developments in Neurospora research. Nomenclature. 2. The Biology of Neurospora. Lifestyle and habitat. Asexual cycle. Sexual cycle. Cells and organelles. Nutrition, physiology and growth. Behavior. 3. Genome and Mitosis. The nuclear genome of N. crassa. Nuclei and nuclear division. The RIP process. Transposable elements. Centromeres. Telomeres. 17S, 5.8S, and 25S Ribosomal DNA

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