

Contents

1	Country Profile	1
	M.N. Noaman	
2	Hydrology of the Nile and Ancient Agriculture	9
	M.N. Noaman and D. El Quosy	
3	Control of the Nile's Flow: The Introduction of Perennial Irrigation for Modern Agriculture	29
	D. El Quosy and H.E.H. Khalifa	
4	Egyptian Irrigation After the Aswan High Dam	47
	T. El Gamal and N. Zaki	
5	Soil and Agriculture After the Aswan High Dam	81
	H.E. Khalifa and H.A. Moussa	
6	Irrigation Methods and Water Requirements in the Nile Delta	125
	R.M.M. El-Kilani and M. Sugita	
7	Water and Salt Movement in Soils of the Nile Delta	153
	A. Kubota, B. Zayed, H. Fujimaki, T. Higashi, S. Yoshida, M.M.A. Mahmoud, Y. Kitamura and W.H. Abou El Hassan	
8	Water Management in the Nile Delta	187
	M. Satoh, T. El Gamal, T. Taniguchi, X. Yuan, A. Ishii and W.H. Abou El Hassan	
9	Agricultural Production—Cultivation Techniques and Farming	225
	S. Maruyama, S.M.M. Shebl, K.I. Abdel-Gawad, A. Kubota, K. Shimizu, N. Ishikawa and A.E.D.H. Mohamed	

10	Irrigation Water Management and Livelihood System of Farm Households: A Case Study of Improved and Unimproved Irrigation System Areas in the Northern Delta	255
	A.T. Elbendary, M. Nawar and S. Matsushita	
11	Challenges in Exploiting Resources—General Conclusion	267
	S. Aboulroos and M. Satoh	
	Index	285

Irrigated Agriculture in Egypt

Past, Present and Future

SATOH, M.; Aboulroos, S. (Eds.)

2017, XV, 290 p. 118 illus., 82 illus. in color., Hardcover

ISBN: 978-3-319-30215-7