

1. Record Nr.	UNINA9910782599403321
Titolo	Saffron (Crocus sativus) : Production and Processing // editor, M Kafi
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , 2006
ISBN	0-429-08324-6 1-4822-8046-9 1-281-82751-7 9786611827519 1-57808-566-7
Edizione	[First edition.]
Descrizione fisica	1 online resource (253 p.)
Disciplina	633.8/2
Soggetti	Saffron crocus Saffron crocus - Iran
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Preface""; ""Contents""; ""List of Contributors""; ""1. Historical Background, Economy, creage, Production, Yield and Uses""; ""1-1 INTRODUCTION""; ""1-2 HISTORY""; ""1-3 ECONOMIC IMPORTANCE""; ""1-4 ACREAGE, TOTAL PRODUCTION AND YIELD""; ""1-5 USES""; ""1-5-1 Food Industries""; ""1-5-2 Medicinal Uses""; ""1-5-3 Use of Leaves as Animal Feed""; ""1-6 SAFFRON TOXICITY""; ""1-7 SUMMARY""; ""References""; ""2. Saffron Botany""; ""2-1 INTRODUCTION""; ""2-2 IRIDACEAE (SAFFRON FAMILY)""; ""2-3 CROCUS L.""; ""2-4 CULTIVATED SAFFRON (CROCUS SATIVUS L.)""; ""2-5 WILD SAFFRON (CROCUS CARTWRGHTIANUS)""; ""2-6 JOE QUASEM SAFFRON (CROCUS PALLASII SUBSP. HAUSSKNECHTII)""; ""2-7 ALMEH SAFFRON (C. ALMEHENSIS)""; ""2-8 VIOLET SAFFRON (C. MICHELSONII)""; ""2-9 TWO FLOWERED SAFFRON (C. BIFLORUS)""; ""2-10 ZAGROS SAFFRON(C. CANCELLATUS)""; ""2-11 ZIBA SAFFRON (C. SPECIOSUS)""; ""2-12 CASPIAN SAFFRON (C. CASPIUS)""; ""2-13 GILAN SAFFRON (C. GILANICUS)""; ""2-14 C. KOROKOWII""; ""SUMMARY""; ""Reference""; ""3. Saffron Ecophysiology ""; ""3-1 INTRODUCTION""; ""3-2 CLIMATIC REQUIREMENTS""; ""3-2-1 Temperature""; ""3-2-2 Moisture""; ""3-2-3 Soil""

""3-3 PHENOLOGICAL STAGES""""3-3-1 Phenological Stages on the Basis of Above Ground Parts""; ""Aa€?Generative phase""; ""Ba€?Vegetative phase""; ""Ca€?Dormant phase""; ""3-3-2 Phenological Stages based on Corm Development""; ""3-4 PHYSIOLOGICAL CHANGES DURING CORM DEVELOPMENT""; ""3-5 GROWTH PARAMETERS""; ""3-6 BIOLOGICAL YIELD""; ""3-7 ECONOMIC YIELD""; ""3-8 SUMMARY""; ""References""; ""4. Saffron ProductionTechnology""; ""4-1 INTRODUCTION""; ""4-2 CROP ROTATION""; ""4-2-1 Multiple Cropping""; ""4-3 CULTIVATION OF SAFFRON""; ""4-3-1 Soil Preparation""; ""4-3-2 Planting Methods"" ""4-3-3 Selection of Corms""""4-3-4 Time of Corm Lifting""; ""4-3-5 Time of Planting""; ""4-3-6 Preparation of Corm for Planting""; ""4-3-7 Planting Density""; ""4-4 FIELD MANAGEMENT""; ""4-4-1 Application of Fertilizer""; ""4-4-2 Breaking Soil Crust""; ""4-4-3 Weed Control""; ""4-5 HARVESTING""; ""CONCLUSION""; ""References""; ""5. Irrigation""; ""5-1 INTRODUCTION""; ""5-2 WATER REQUIREMENT""; ""5-3 CROP COEFFICIENT""; ""Irrigation Regime""; ""SUMMARY""; ""References""; ""6. Saffron Pests, Diseases, and Weeds""; ""6-1 INTRODUCTION""; ""6-2 PORCUPINE (HYSTRIX INDICA) KERR"" ""6-3 BANDICOOT RAT (NESOKIA INDICA GRAY)""""6-4 MOUSE (MUS MUSCULUS L.)""; ""6-5 AFGHAN MOLE RAT (ELLOBIUS FUCOCABILUS BLYTH)""; ""6-6 INSECTS""; ""6-6-1 Saffron Bulb Mite (Rhizoglyphus robini)""; ""Morphology""; ""Biology""; ""Larvae""; ""Variation within population and generations""; ""Method of damage""; ""6-6-2 Corm Thrips (Thrips tabaci Linedman)""; ""Morphology""; ""Biology""; ""Method of damage""; ""Prevention and control""; ""6-7 SAFFRON DISEASE""; ""6-7-1 Stigma twisting""; ""6-7-2 Corm rots""; ""6-7-2-1 Corm root rot""; ""6-7-2-2 Corm neck rot""; ""6-7-2-3 Saffron smut (Tacon)"" ""6-7-2-4 Saffron leaf chlorosis""

Sommario/riassunto

"Saffron is a precious spice which is mainly grown in Iran, India, Spain, Greece, Italy, Pakistan, Morocco, and central Asian countries. Until recently, saffron was perceived only for its value as a spice. However, with recent research findings pointing to the medicinal properties of saffron such as its antimicrobial, anticarcinogenic and antioxidant effects, interest in this plant has increased. The book presents a comprehensive account of saffron which includes the historical background, acerage underproduction, yield and applications, botanical ecophysiology, production technology, irrigation, pests, diseases and weeds, genetics, sterility, reproduction and production of secondary metabolites by in vitro method, economic aspects, indigenou knowledge in saffron production, processing, chemical composition and quality control, and research strategies."--Provided by publisher.