



BOTANY, RESEARCH AND HORTICULTURE OF GLADIOLUS

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Botany, Research and Horticulture of Gladiolus



First Edition

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Preface

Gladiolus is one of the most important bulbous ornamental grown for its long lasting spikes with attractive colour. It is among top 10 bestselling florist flowers worldwide and is the 40th wedding anniversary flower. The Gladiolus genus currently includes 260-300 species and more than 30,000 cultivars.

Gladiolus palustris, common name marsh gladiolus or sword Lilly, is a herbaceous perennial plant belonging to the genus Gladiolus of the family iridaceae. Gladioli have a unique long and pointed shape. Because of their shape, they are named after the Latin word “gladius”, meaning sword. In Rome, Gladioli were associated with Gladiators’. Some say that gladiators wore Gladiolus corms around their Necks during battles to help to win and to protect them from death.

Gladiolus is being in an area of 11660 ha in the country with an estimate production of 106 crore cut flowers. Among the cut flowers, gladiolus occupied third position in terms of both area and production. Even though gladiolus is mainly a winter season crop for Plains of India, in areas having moderate climatic conditions, gladiolus can be grown throughout the year.

This book, Botany, Research and Horticulture in Gladiolus is a research outcome and will help the Researchers’, Academicians’, farmers and students to know more about this crop and why a single corm of gladiolus can change economic scenario of Indian marginal farmers.

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Partap Singh
Jyotsana Maurya

Acknowledgements

I am dedicating this scientific book to two Eminent Educationists', brother and sister sh. Manohar Chandpuri and smt. Rattana Durani who had passion for Gladiolus.



Contents

1	Origin and History	1-3
2	About the Family Iridaceae	4-10
3	Botany	11-12
4	Varieties	13-33
5	Description of Species of Gladiolus	34-40
7	Sowing Time	41-57
8	Interculture and Irrigation	58-98
9	Rural Development Programme Agro Technology for Commercial Cultivation of Gladiolus. For Meerut (U.P) & Jammu(J&K)	99-102
10	Model Profile of 1.0 acre Gladiolus Cultivation	103-112
11	Gladiolus Sarla for Colour Revolution	113-116
12	Response of N, P, K on Corm Production, Vegetative Growth and Spike of Gladiolus Cultivar Red Ginger under Apple Orchards in Udhampur District of Jammu	117-122
13	Effect of Spacing on Flowering, Growth and Corm Production in Gladiolus Cultivar American Beauty	123-125
14	Response of Gladiolus Cultivar Red Majesty to Nitrogen, Phosphorus and Potassium Nutrients	126-132
15	Effect of Two Important Nutrients Nitrogen and Phosphorous on Growth and Flowering on Jammu Pride Variety of Gladiolus	133-137
16	Effect of Boron, Calcium and Zinc on Gladiolus (Cultivar Shobhit Red)	138-142
17	To Study Induction of Flowering in Gladiolus Cormels by Chemicals	143-150
18	Assesment of Genetic Diversity and Population Structure in Gladiolus (Gladiolus Hybridus Hort.)	151-159
	Literature Cited	160

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Dr. T.S. Sukanya, Professor of Agronomy at UAS, Bangalore started her career in Krishi Vigyan Kendra from Scientist to Senior Scientist and Head, served at three districts i.e., Haveri, Chikmagalur and Tumkur in Karnataka. Presently, working as Professor (Agronomy) and Principal Investigator at Project Coordinating Unit, ICAR-AICRP on Small Millets, Bangalore. Has vast experience in extension, seed production, Frontline demonstrations, capacity building programmes and Small millets agronomical research. She has brought out 14 technologies in small millets agronomy and engaged in formulation and monitoring of small millets trials and frontline demonstrations at ICAR-AICRP on Small Millets and also involved in development of small millets varieties. She has handled projects in extension, research and is engaged in teaching and guiding post graduate students in Agronomy at UAS Bangalore. She has published 7 books, good number of book chapters and research articles in reputed journals, scientific bulletins and several research and extension literatures. For the contribution of her service, she is honored with recognitions from various prestigious societies in recognition of her work.



Dr. Partap Singh (Born on 22nd Nov. 1969) has more than 17 years' experience in Research, Teaching and Extension Work. Many students are doing research work in his guidance such as Ph.D. and M.Sc. in agriculture streams. Dr. Singh has worked in Private and Govt. Institutions for several years. He has developed male sterile line of pearl millet at Indian Agriculture Dr. Partap Singh (Born on 22nd Nov. 1969) has more than 17 years' experience in Research, Teaching and Extension Work. Many students are doing research work in his guidance such as Ph.D. and M.Sc. in agriculture streams. Dr. Singh has worked in Private and Govt. Institutions for several years. He has developed male sterile line of pearl millet at Indian Agriculture Research Institute, Pusa, New Delhi and developed "First Three Way Cross" in Pearl Millet. He has published more than 10 research papers in reputed National and International Journals. He has participated and presented research papers in several National and International Symposia, Conference, Workshops and Seminars. He has organized several National and International Conferences. At present Dr. Partap Singh is director research Monad University Hapur, and is the editorial board member of CORM- The Journal of Floriculture.



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