Acknowledgement

It is my pleasure to express my sincere and deepest sense of gratitude and heartfelt regards to the chairman of my Advisory committee Prof. P.S. Munsi, Professor & Head, Department Of Crop Improvement, Horticulture & Agriculture Botany (CIHAB), Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, West Bengal for constant supervision, advice and constructive criticism and timely suggestions during course of the investigations.

I would like to express my sincere and heartfelt to my advisor and guide of my advisory committee Prof. P. Das, Director, The Science Foundation for Tribal and Rural Resource Development, Bhubaneswar, Orissa for his advice and guidance in course of the field experimentations and preparation of this dissertation.

I feel myself elevated to express my heartfelt regards and gratefulness to Prof. D. P. Ray, Vice-chancellor, Orissa University of Agriculture and Technology, Bhubaneswar for his encouragements and kind valuable advise.

I would like to express my sincere regards to the members of my advisory committee, department of CIHAB, Palli Siksha Bhavana (Institute of Agriculture)
I am also grateful to the principal, Palli Siksha Bhavana (Institute of Agriculture) Sriniketan for providing an opportunity to carry out the research work.

I owe my special thanks to Mr. Sitikantha Mishra, Computer Programmer, KVK, Bhanjanagar for his help in preparation of the thesis.

I convey my respect and thankful to Dr. S.S Nanda, Dean, Extension Education, OUAT for his cooperation and encouragement.

I am deeply in grateful to prof. P.Mohapatra (Head, Vegetable Science), Dr. Gyanlok Das (Associate professor, Hort.), Prof. G.D Nayak, and Dr. A. k. Das for their advice during the course of the investigation.

It is rarely difficult to express in words my feelings for my Daddy, Mummy, my brothers, my father-in-law, mother-in-law, wife (Tiki), my sons snehal and sujal whose love, constant prayers and inspiration have helped me to undertake this study.

Thanks to the Almighty lord for the abundant blessings and grace He has showered upon me.

Date -

Place - Srineketan  
(SUTANU KUMAR SATAPATHY)

Regd. No. – VB-1197 of 2006-07