

ECONOMICS OF CONTRACT FARMING:
A CASE OF WHITE ONION AND CHIP-GRADE
POTATO CULTIVATION IN SELECTED
DISTRICTS OF MAHARASHTRA

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Declaration by the Candidate

I, Varun Miglani, hereby declare that my thesis on the topic entitled, “Economics of Contract Farming: A Case of White Onion and Chip-grade Potato Cultivation in Selected Districts of Maharashtra”, is submitted for the award of Degree of Doctor of Philosophy in Economics to the Gokhale Institute of Politics And Economics, Pune 411004.

This thesis has not been submitted by me elsewhere for the award of any degree or diploma-part or full. The information gathered by me elsewhere for the thesis is original true and factual. Such material as has been obtained from other source has been duly acknowledged in the thesis.

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Certificate

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CERTIFIED that the work incorporated in the thesis entitled “Economics of Contract Farming: A Case of White Onion and Chipgrade Potato Cultivation in Selected Districts of Maharashtra”, submitted by **Mr. Varun Miglani** was carried out by the candidate under my supervision. Such material as has been obtained from other sources has been duly acknowledged in the thesis.

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List of Acronyms

ACF	Attritioned contract farmer
AP	Andhra Pradesh
ATE	Average treatment effect
ATL	Atlantic
BL	Bullock labour
C2M	Modified Cost
CACP	Commission for Agricultural Costs and Prices
CCFH	Credit constrained farming household
CF	Contract farmer
CFAs	Contract farming arrangements
CUFH	Credit unconstrained farming household
FYM	Farm yard manure
GAP	Good Agricultural Practices
GCA	Gross cropped area
GIA	Gross irrigated area
GoI	Government of India
GoM	Government of Maharashtra
ha	Hectares
HL	Hired labour
H-L test	Hosmer and Lemeshow test
HLL	Hindustan Lever Ltd.
IFPRI	International Food Policy Research Institute
JISL	Jain Irrigations Systems Pvt. Ltd.
JNU	Jawaharlal Nehru University
K-S	Kolmogorov–Smirnov
LDCs	Least developed countries
max	Maximum
Mdn	Median
MGP	Minimum guaranteed price
min	Minimum
MIS	Micro-irrigation systems
ML	Machine Labour
MOFPI	Ministry of Food processing Industries
MSAMB	Maharashtra State Agricultural Marketing Board
MT	Metric tons
MTID	Markets, Trade and Institutions Division
NCF	Non-contract farmer
NNCF	Never contract farmer
NSA	Net sown area
OBC	Other Backward Class
p	p-value

PPS	Population Probability to Size
PSM	Propensity score matching
<i>r</i>	Effect size
R&D	Research and Development
SD	Standard deviation
SPSS	Statistical Package for Social Science
ST	Scheduled tribe
<i>t</i>	t-statistic
T.E.	Triennium Ending
TCE	Transaction cost economics
TN	Tamil Nadu
TSS	Total Soluble Solids
U	Mann-whitney statistic
US	United Status
VIF	Variance inflation factor
YASHADA	Yashwantrao Chavan Academy of Development Administration
Z	A data point expressed in standard deviation units