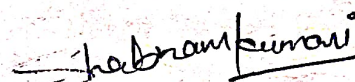




SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR

DECLARATION / UNDERTAKING


I, here by, declare that the research work, embodied in the thesis, entitled "To study the effect of PGPR on growth and yield of green gram SML -668" in the partial fulfilment for the award of degree of M.Sc. Ag. (Agronomy) submitted in the Department of Agriculture at SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR is authentic record of my own carried out during a period from March 2024 to June 2024 under the supervision of Dr. Anil Kumar Singh, Associate Professor Department of Agriculture. The work presented in the thesis is original and has not been submitted by any other University/Institute for the award of any Diploma or Degree.

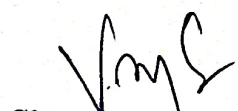

Signature of the Student

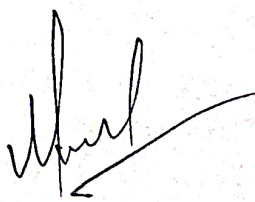
(Shabnam Kumari)
Reg. No. 23035001
M.Sc. Ag. (Agronomy)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

The M.Sc. viva-voce examination of Miss Shabnam Kumari has been held on 12/7/25.....


Signature of Supervisor
(Major Advisor)
Dr. Anil Kumar Singh
(Associate Professor)
Department of Agriculture


Signature of H.O.D/ C.O.D
(Department of Agriculture)

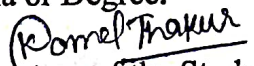

Signature of External Examiner



SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR

DECLARATION / UNDERTAKING

I, here by, declare that the research work, embodied in the thesis, entitled "To study the effect of Integrated Nutrient Management on growth and yield of Black gram" in the partial fulfilment for the award of degree of M.Sc. Ag. (Agronomy) submitted in the Department of Agriculture at SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR is authentic record of my own carried out during a period from March 2024 to July 2024 under the supervision of Miss. Kamaldeep Kaur, Assistant Professor, and Department of Agriculture. The work presented in the thesis is original and has not been submitted by any other University/Institute for the award of any Diploma or Degree.


Signature of the Student

(Komal Thakur)

Reg. No. 23035002

M.Sc. Ag. (Agronomy)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

The M.Sc. viva-voce examination of Miss. Komal Thakur has been held on...16/7/2025.



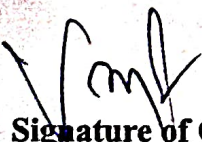
Signature of Supervisor

(Major Advisor)

Miss Kamaldeep Kaur

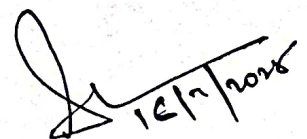
(Assistant Professor)

Department of Agriculture



Signature of C.O.D

(Department of Agriculture)



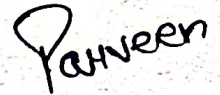
Signature of External Examiner

DECLARATION/UNDERTAKING

I, hereby, certify that the research work, embodied in the thesis, entitled "Effect of Salicylic acid on growth and yield of Kharif Maize (*Zea mays L.*) under well-watered and drought stress condition" in the partial fulfillment of requirement for the award of degree of M.Sc. Ag. (Agronomy) submitted in Department of Agriculture at SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR is authentic record of own work and results of investigation carried out during a period of May 2024 to June 2025 under the supervision of Dr. Gurpreet Kaur, Assistant Professor, Department of Agriculture. This research work is original and has not been submitted earlier to any other University/Institute for the award of any Diploma or Degree.

Date: 18-07-2025

Place: SBBSU, Khiala



Signature of the student

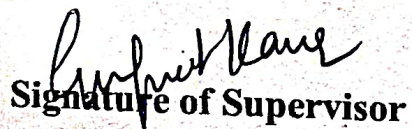
Parveen

Reg.No.23035003

M.sc. Ag. (Agronomy)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

The M.Sc. viva-voce examination of Ms. Parveen has been held on...18-07-2025



Signature of Supervisor

Dr. Gurpreet Kaur

(Assistant Professor)

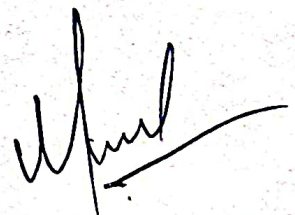
Department of Agriculture

SBBSU, Jalandhar (Punjab)



Signature of C.O.D

(Department of Agriculture)



Signature of External Examiner



SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR

DECLARATION/UNDERTAKING

I hereby, certify that the research work, embodied in the thesis, entitled "Effect of different micronutrients on the performance of chickpea (*Cicer arietinum* L.)" in the partial fulfillment of requirement for the award of degree of M.sc. (Agronomy) submitted in Department of Agriculture at, **SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR** is authentic record of my own contribution and results of investigation carried out under supervision of **Mrs. Kamaldeep Kaur**, Assistant Professor, Department of Agriculture, From July 2024 to June 2025. This Research work is original and has not been submitted earlier to any other University/Institute For the award of any Diploma or Degree.

Shalini

Signature of the student
(Shalini)

Reg. No.: 23035004

M.Sc. Ag. (Agronomy)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

The M.sc viva examination of Miss **Shalini** has been held on.....

Kamaldeep Kaur
Signature of Supervisor

(Mrs. Kamaldeep Kaur)

Kaur
Signature of H.O.D/C.O.D

(Department of Agriculture Science)

[Signature]

Signature External Examiner



SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR
(Established vide Sant Baba Bhag Singh University Act, 2014)

DECLARATION/UNDERTAKING

I, hereby, certify that the research work, embodied in the thesis, entitled "Effect of different sowing dates on the growth and yield of Kharif Maize (*Zea mays L.*)" in the partial fulfillment of requirement for the award of degree of M.Sc. Ag. (Agronomy) submitted in Department of Agriculture at **SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR** is authentic record of own work and results of investigation carried out during a period of May 2024 to June 2025 under the supervision of **Dr. Praveen Singh, Assistant Professor, Department of Agriculture**. This research work is original and has not been submitted earlier to any University/Institute for the award of any M.Sc. degree or diploma.

Date: 18-07-2025

Place: SBBSU, Khiala

Kirandeep

Signature of the student

Kirandeep

Reg. No.: 23035005

M.Sc. (Agronomy)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

The M.Sc. viva – voce examination of Ms. Kirandeep has been held on..18-07-2025

Dr. Praveen Singh

Signature of Supervisor

Dr. Praveen Singh

(Assistant Professor)

Department of Agriculture

SBBSU, Jalandhar (Punjab)

[Signature]

Signature of C.O.D

(Department of Agriculture)

[Signature]

Signature of External Examiner



DECLARATION/ UNDERTAKING

I, hereby declare that the thesis entitled "Effect of Intercropping on Growth and Yield attributes of Indian Mustard (*Brassica juncea* L.)" submitted in partial fulfilment of the requirement for the degree of M.Sc. Ag. (Agronomy) to the Department of Agriculture at SANT BABA BHAG SINGH UNIVERSITY, KHALA, JALANDHAR, is result of my own original research work carried out during the period of October 2024 to June 2025 under the supervision of Mrs. Kamaldeep Kaur, Assistant Professor in the Department of Agriculture. This work has not been submitted earlier to any other university for the award of any M.Sc. degree/ diploma.

Date: 18/07/2025

Place: SBBSU, Khala, Jalandhar.

Signature of Student

Rupinder Kaur

Reg. No. 23035008

M.Sc. Ag. (Agronomy)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

The M.Sc. viva voce examination of Ms. Rupinder Kaur has been held on 18/07/2025

Signature of Supervisor

Mrs. Kamaldeep Kaur

(Assistant Professor)

Department of Agriculture

SBBSU, Jalandhar (Punjab)

Signature of C.O.D/ H.O.D.

(Department of Agriculture)

Signature of External Examiner

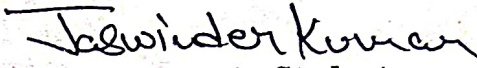


SANT BABA BHAG SINGH UNIVERSITY JALANDHAR

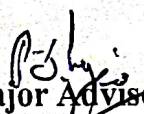
DECLARATION/UNDERTAKING


I hereby declare that the research work, presented in the thesis, entitled "Effect of intercropping on growth and yield attributes of Chick Pea (*Cicer arietinum* L.)" in the partial fulfillment of requirement for the award of degree of M.Sc. Ag. Agronomy submitted in Department of Agriculture, Sant Baba Bhag Singh University, Jalandhar is authentic record of my own contribution and results of investigation carried out during a period from 14th November 2024 to May 2025 under supervision of Dr. Parshotam Singh Tyagi Professor, Department of Agriculture. The subject matter of this dissertation has never been submitted for M.Sc. degree or diploma at any other university or institute.

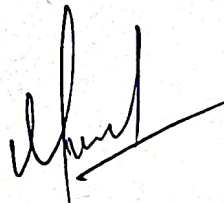
Place: SBBSU, Jalandhar
Date: 1-8-25


Signature of the Student
(Jaswinder Kumar)
Regd. 23035010

This is to certify that the above statement made by the candidate is correct to the best of my knowledge. The M.Sc. viva-voice examination Mr. Jaswinder Kumar has been held on...18-06-2025


Major Advisor
(Dr. Parshotam Singh Tyagi)
Professor, Department of Agriculture


Signature of C.O.D. / HOD
Examiner (Department of Agriculture)



Signature of External



DECLARATION/UNDERTAKING

I, hereby declare that the research work, presented in the Thesis, entitled “Performance of Gobhi sarson (*Brassica napus* L.) with application of Jeevamrit and Seaweed extract sprays” in partial fulfillment of the requirement for the award the of the degree of M.Sc. Ag. (Agronomy) submitted in the Department of Agriculture at Sant Baba Bhag Singh University, Jalandhar is an authentic record of my own work carried out during a period from October 2024 to March 2025 under the supervision of **Dr. VIJAY SINGH**, Assistant Professor, Department of Agriculture. The matter presented in this report has not been submitted earlier to any other University/Institute for the award of any diploma and degree.

Date: 21/07/2025


Signature of the Student

Place: SBBSU, Khiala

(Preeti Kumari)

Reg. No.- 23035015

M.Sc. Ag. (Agronomy)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

The M.Sc. viva-voce examination of **Ms. Preeti Kumari** has been held on.....21/07/2025


Signature of Supervisor

(Dr. Vijay Singh)

Assistant Professor, Department of Agriculture


Signature of C.O.D

(Department of Agriculture)


Signature of External Examiner