



## **DECLARATION/UNDERTAKING**

I hereby declare that the research work, presented in the thesis, entitled **“Effect of Organic Manures and their combinations on Growth and Yield of Radish (*Raphanus sativus* L.)”** in the partial fulfilment of the requirement for the award of degree **M.Sc. Ag. Horticulture (Vegetable Science)** submitted in the **Department of Agriculture at Sant Baba Bhag Singh University, Jalandhar**, is authentic record of my own work carried out of during a period from November 2024 to January 2025 under the supervision of **Dr. Kumari Manisha Assistant Professor, Department of Agriculture**. The matter presented in this reported has not been submitted earlier to any other University/Institute for the award of any diploma and degree.

Date: 8/09/2025

Place: SBBSU, Jalandhar

Signature of the Student

(Nisha Sharma)

Reg. No. 23106004

M.Sc. Ag. Horticulture (Vegetable Science)

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

The M.Sc. viva examination of Miss. Nisha Sharma has been held on 8/09/2025

Signature of Supervisor

(Dr. Kumari Manisha)

Assistant Professor,

Department of Agriculture

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

(Department of Agriculture)

Signature of External Examiner



## DECLARATION / UNDERTAKING

I, hereby, declare that the research work, embodied in the thesis, entitled "EVALUATION OF AGRONOMIC TRAITS OF SEVEN RADISH VARIETIES UNDER ORGANIC CONDITIONS" in the partial fulfillment for the award of degree of M.Sc. Ag. Horticulture (Vegetable Science) submitted in the Department of Agriculture at SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR is authentic record of my own work carried out during a period from July 2024 to July 2025 under the supervision of Dr. Vikas Sharma, 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 M.Sc. Degree

Date: 29/08/2025

Place: SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR

Deepak Chauhan  
Signature of the Student

(Deepak Chauhan)  
Reg. No. 23106005

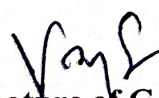
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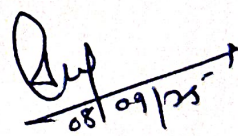
This is to certify that the above statement made by the candidate is correct to the best of my/our knowledge.

The M.Sc. viva-voce examination of Mr. Deepak Chauhan has been held on 8/09/2025

  
Signature Major Advisor

Dr. Vikas Sharma  
(Associate Professor)

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

  
Signature of External Examiner



## DECLARATION / UNDERTAKING

I, hereby, declare that the research work, embodied in the thesis, entitled "EVALUATION OF AGRONOMIC TRAITS AND SEVEN TURNIP VARIETIES UNDER ORGANIC CONDITIONS," in the partial fulfillment for the award of degree of M.Sc. Ag. Horticulture (Vegetable Science) submitted in the Department of Agriculture at SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR is authentic record of my own work carried out during a period from July 2024 to July 2025 under the supervision of Dr. Vikas Sharma, 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 M.Sc. Degree

Lalita Kumari

Date: 27/08/2025

Signature of the Student

Place: Sant Baba Bhag Singh University  
Khiala, Jalandhar

(Lalita Kumari)  
Reg. No. 23106006

M.Sc. Ag. Horticulture (Vegetable Science)

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

The M.Sc. viva-voce examination of Ms. Lalita Kumari has been held on.. 08/09/2025

Signature Major Advisor

Dr. Vikas Sharma

(Associate Professor)

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

(Department of Agriculture)

Signature of External Examiner





## DECLARATION/UNDERTAKING

I, hereby, certify that the research work, embodied in the thesis, entitled "**Consequences of *Alternaria brassicola* on growth and yield of various cultivars of Radish (*Raphanus sativus* L.) in Punjab**" in partial fulfillment of requirement for the award of degree of **M.Sc. Ag. Horticulture (Veg. Science)** 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, **Dr. Nalini Singh**, Assistant Professor, Department of Agriculture, during a period 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.

Date: 24-07-2025

Place: SBBSU

Signature of the student

(Nikish R.S. Pagoch)

Reg. No. 23106007

M.Sc. Ag. Horticulture (Fruit Science)

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 Mr. Nikish R.S. Pagoch has been held

on 21-07-2025

Signature of Supervisor

(Major Advisor)

Dr. Nalini Singh

Assistant Professor, Department of Agriculture

Signature of Q.O.D/ H.O.D.

(Department of Agriculture)

Signature of External Examiner

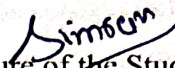




DECLARATION/UNDERTAKING

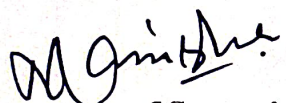
I, hereby declare that the research work, presented in the thesis, entitled "Effect of Different Ratio of Organic Manure on Growth, Yield and Quality of Indian spinach (*Beta vulgaris* var. *bengalensis*) in partial fulfilment of the requirement for the award of the degree M.Sc. Ag. Horticulture (Vegetable Science) 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 November 2024 to January 2025 under the supervision of Dr. Kumari Manisha, 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.

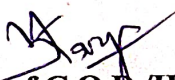
Date: 21/July/2025  
Place: SBBSU Jalandhar

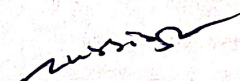
  
Signature of the Student  
(Simran Bhardwaj)  
Reg. No.- 23106008  
M.Sc. Ag. Horticulture (Vegetable Science)

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. Simran Bhardwaj has been held on 21/July/2025

  
Signature of Supervisor  
(Dr. Kumari Manisha)  
Assistant Professor,  
Department of Agriculture

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

  
Signature of External Examiner

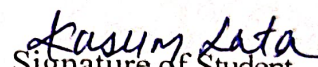




## DECLARATION/UNDERTAKING

I, hereby, certify that the research work, embodied in the thesis, entitled "Evaluating the impact of varied concentrations of Boron, Zinc and Molybdenum on growth and yield performance of Broccoli (*Brassica oleracea* var. *italica*)" in partial fulfilment of the requirement for the award of degree of M.Sc. Ag. Horticulture (Vegetable Science) 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 Dr. P. S. Tyagi, Associate 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.

Date: 21 July 2025  
Place: Jalandhar

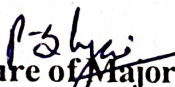
  
Signature of Student  
(Kusum Lata)

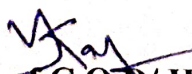
Reg. No. 23106010

M.Sc. Ag. Horticulture (Vegetable Science)

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

The M.Sc. Viva-Voce examination of Kusum Lata has been held on 21-7-2025

  
Signature of Major Advisor  
(Dr. P.S Tyagi)  
Associate Professor,  
Department of Agriculture

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

  
Signature of External Examiner





## DECLARATION/UNDERTAKING

I, hereby, certify that the research work, embodied in the thesis, entitled "Exploring the synergistic effects of organic manure and bioagents on the growth and yield of Methi (*Trigonella corniculata* L)" in partial fulfilment of the requirement for the award of degree of M.Sc. Ag. Horticulture (Vegetable Science) 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 Dr. P. S. Tyagi, Associate 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.

Date: 21 July 2025

Place: Jalandhar

Gurpreet Kaur

Signature of Student

(Gurpreet Kaur)

Reg. No. 23106011

M.Sc. Ag. Horticulture (Vegetable Science)

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

The M.Sc. Viva-Voce examination of Gurpreet Kaur has been held on. 21-7-2025

Signature of Major Advisor

(Dr. P.S Tyagi)

Associate Professor,

Department of Agriculture

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

(Department of Agriculture)

Signature of External Examiner