



# Bharath

## INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)  
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4<sup>th</sup> July 2002)



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173, Agaram Road, Selaiyur, Tambaram,  
Chennai - 600 073. Tamil Nadu.

05.07.2019

From  
Head of the Department,  
School of Agricultural Sciences,  
Bharath Institute of Higher Education and Research,  
Chennai- 600 073


To  
The Dean,  
School of Agricultural Sciences,  
Bharath Institute of Higher Education and Research,  
Chennai- 600 073

Respected Sir,

Sub: Permission for conducting value added course — Reg.

I'm writing to express my interest in teaching a three-week value-added course on  
**Pesticide and Fertilizer Applicator Training** beginning on August 3, 2019.

Thanking you sir,

  
Head of the Department  
Head of the Department  
School of Agricultural Sciences  
Bharath Institute of Higher Education And Research  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)  
Chennai- 600 073, India.



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Date: 05-07-2019

## SCHOOL OF AGRICULTURAL SCIENCES

### CIRCULAR

#### Notification for Value added courses offered by the School of Agricultural Sciences

The School of Agricultural Sciences will offer a 3-week course titled “**Courses on Pesticide & Fertilizer Applicator Training**” starting on August 8, 2019. On or before July 30, 2019, interested students should contact Ms. R.M. Gokula Lakshmi, Assistant Professor and Course Coordinator, School of Agricultural Sciences, for registration and further information.

**Eligibility- I and II B.Sc., (Hons.) Agriculture**

  
Course Coordinator

  
Dean- Agriculture

DEAN - AGRICULTURE  
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH  
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Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments



# **Bharath**

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## **SCHOOL OF AGRICULTURAL SCIENCES**

### **Courses on Pesticide & Fertilizer Applicator Training**

(2019-2020)

#### **COURSE CO-ORDINATOR DETAILS**

**Faculty Name** : Ms. R.M. Gokula Lakshmi, Assistant Professor,  
School of Agricultural Sciences

**Email ID** : [agrikokila@gmail.com](mailto:agrikokila@gmail.com)

**Mobile number** : 8870523432

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
**SCHOOL OF AGRICULTURAL SCIENCES**  
**VALUE ADDED COURSE SYLLABUS 2019-2020**

**Course on Pesticide & Fertilizer Applicator Training**

**Objective:**

1. To understand the cropping pattern of the area and associated pests
2. Acquire knowledge for Identification of major pests infesting crops
3. Acquire knowledge about understanding nutrient deficiencies and corrective measures as per the agronomic situation

**Module: 1 Introduction to plant protection:** Role of a Pesticide and Fertilizer Applicator - Introduction to Plant Protection- understand the Economic importance of plant protection- Basic skills of communication- Learn Basic reading capabilities to enable reading of signs, notices and/or cautions at site.

**Module: 2 Pest Management:** morphology, biology, seasonal & crop specificity of insect-pests- life cycle of insect pests- symptoms of pest and diseases,-major pests of area specific crops along with their fertilizer - effects and influencing environmental factors for disease occurrence- nutrient deficiency of plant-Study the fertilizer requirement for the crop

**Module: 3 Plant protection chemicals & equipments:** Different Types of Plant Protection- Formulate/prepare the spraying solution - Factors influencing formulation and application. Pesticide and insecticide chemical hazards. Ecofriendly pesticides. Identify, select and use plant protection equipments

**Module: 4 Maintain Health and safety at the work place:** Understand the basic safety checks and other common reported hazards before all farm operation. Proper use of equipment and materials safely and correctly. Handle emergency situation in workplace and during any farm operation. Practice general safety procedures follow during processing unit

**TEXT BOOK:**

1. David, B.V. and V.V. Ramamurthy. 2011. *Elements of Economic Entomology*, Namrutha Publications, Chennai, 386 p. {ISBN: 978-81-921477-0-3}
2. Pedigo, L.P. and M.E.Rice.1996. *Entomology and Pest Management*. Prentice-Hall of India Pvt Ltd, New Delhi. 812p. {ISBN-978-8120338869}
3. Dhaliwal, G.S. and R.Arora. 2001. *Integrated Pest Management – Concepts and approaches*. Kalyani publishers, New Delhi. 427p. {ISBN: 81-7663-904-4}

**REFERENCE:**

1. <http://www.sristi.org/hbnew>
2. <http://www.ncipm.org.in/recent-publications.htm>
3. <http://www.ipmnet.org>

# SCHOOL OF AGRICULTURAL SCIENCES

## VALUE ADDED COURSE

### COURSE ON PESTICIDE AND FERTILIZER APPLICATOR TRAINING (2019-2020).

Session	Topic	Date	Duration (Hr)	Resource person
Session 1	Role of a Pesticide and Fertilizer Applicator	03.08.2019	2	Dr. N. Emayavaramban
Session 2	Introduction to Plant Protection	06.08.2019	2	Dr. N. Emayavaramban
Session 3	Understanding the Economic importance of plant protection	09.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 4	Morphology, biology, seasonal & crop specificity of insect pests	08.08.2019	2	Mr. Kumari Mannan
Session 5	Life cycle of insect pests, symptoms of pest and diseases	12.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 6	Major pests of area specific crops along with their fertilizer	14.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 7	Effects and influencing environmental factors for disease occurrence	17.08.2019	2	Mr. Kumari Mannan
Session 8	Nutrient deficiency of plant and the fertilizer requirement for the crop	19.08.2021	2	Dr. N. Emayavaramban
Session 9	Different Types of Plant Protection- Formulate/prepare the spraying solution	20.08.2019	2	Dr. L. Jeyanthi Rebacca
Session 10	Factors influencing formulation and application. Pesticide and insecticide chemical hazards	21.08.2019	2	Dr. N. Emayavaramban
Session 11	Ecofriendly pesticides. Identify, select and use plant protection equipments	22.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 12	Understand the basic safety checks and other common reported hazards	24.08.2019	2	Mr. Kumari Mannan
Session 13	Proper use of equipment and materials safely and correctly	26.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 14	Handle emergency situation in workplace and during any farm operation.	27.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 15	Practice general safety procedures follow during processing unit	28.08.2019	2	Dr. L. Jeyanthi Rebacca

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
SCHOOL OF AGRICULTURAL SCIENCES**

**VALUE ADDED COURSE**

**Courses on Pesticide & Fertilizer Applicator Training (2019-2020)**

**Students Name list**

S.No	Reg No	Name
1	U18AG002	YASHIKA S
2	U18AG004	SIVAPRIYA S
3	U18AG011	VAGGA VARSHINI
4	U18AG012	NARMADHA D
5	U18AG013	JAWAHAR R
6	U18Av014	CHANDRU R
7	U18AG015	VIGNESH T
8	U18AG016	YEDLA RAVI TEJA
9	U18AG018	OGETI VISWANADHA SASTRY
10	U18AG019	ANNAM SONIA
11	U18AG020	GOWSHIK BALA S M
12	U18AG021	GADDE MANEESH KUMAR
13	U18AG022	DINESH R
14	U18AG023	P JYOTHIKA
15	U18AG024	KYNTUMIKI SLONG
16	U18AG025	PRIYA VARSHINI P
17	U18AG026	KARTHIKEYAN V
18	U18AG027	KAVIYA SRI J
19	U18AG028	GADDE SRI NAGA GOPI
20	U18AG029	JAISON JAYAKUMAR M
21	U18AG030	K SAI CHAITANYA
22	U18AG031	MODDU SAI SUJAN
23	U18AG032	PRAVEEN KUMAR G
24	U18AG033	PEGADA JAYASRI
25	U18AG034	SURIYA R
26	U18AG035	NEELAKANTAM SIVANI
27	U18AG036	KAYYURI POOJITHA
28	U18AG038	SAMMANA HARATHI
29	U18AG039	ASI VYSHNAVI
30	U18AG040	BOYAPATI ANUSHA
31	U18AG041	HARINI N
32	U18AG042	BASKARAN V
33	U18AG043	RAJ KUMAR N
34	U18AG044	RISHITHA
35	U19AG001	ABINAYA. M
36	U19AG003	ABIRAMI. J
37	U19AG004	ABISHEK. R
38	U19AG006	BALAJI. B
39	U19AG007	BANDI. MADHURI
40	U19AG010	DHAIRIYA LAKSHMI

41	U19AG011	DHEERATHANA. P
42	U19AG012	DILIP KUMAR. M
43	U19AG013	GANJI. CHANDU
44	U19AG015	GUTTULA TEJASWI
45	U19AG020	KAVIYA SRI. S
46	U19AG021	KAVIYARASAN. R
47	U19AG022	KOMALA. N
48	U19AG024	MANISHA. D.J
49	U19AG025	MARAN. S
50	U19AG026	MUGESH. R
51	U19AG034	POOJA PATTU. R
52	U19AG040	SANGEETHA.R
53	U19AG043	SIVAPU. PRIYANAKA
54	U19AG044	SURESH KUMAR B.T
55	U19AG045	SURESH BABU. E
56	U19AG045	SURESH BABU. E
57	U19AG046	THENMOZHI.A
58	U19AG047	THIRUMAL.B
59	U19AG048	THULASI G.K
60	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA

*hayan*



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## SCHOOL OF AGRICULTURAL SCIENCES

### Courses on Pesticide & Fertilizer Applicator Training

#### *Certificate of Participation*

This is to certify that Mr /Ms. YOGESHWARAN K (U18AG006) has attended three weeks "Courses on Pesticide & Fertilizer Applicator Training" conducted by School of Agricultural Sciences at Bharath Institute of Higher Education and Research, Chennai (TN), India during 3<sup>rd</sup> August – 28<sup>th</sup> August 2019.

*P.M. Lakshmi*  
COURSE COORDINATOR

DEAN-AGRICULTURE

DEAN - AGRICULTURE

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Chennai-600 073, INDIA.





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## SCHOOL OF AGRICULTURAL SCIENCES

### Course Feedback Form

#### Courses on Pesticide & Fertilizer Applicator Training

Date: 28-8-2019

Course Title: Courses on Pesticide & Fertilizer Applicator Training

Name: HARINI . N

Reg. No.: U18AG041

Department: SCHOOL OF AGRICULTURAL SCIENCES

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you				✓	
2	Course content met with your expectation				✓	
3	Lecture sequence was well planned					✓
4	Lectures were clear and easy to understand				✓	
5	Teaching Aids were effective					✓
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course					✓
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course					✓

Please give suggestion for the improvement of the course

Signature



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## SCHOOL OF AGRICULTURAL SCIENCES

### Course Feedback Form

#### Courses on Pesticide & Fertilizer Applicator Training

Date: 28-08-2019

Course Title: Courses on Pesticide & Fertilizer Applicator Training

Name: R. Jawahar

Reg. No.: U18AG013

Department: School of Agricultural Sciences

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you			✓		
2	Course content met with your expectation		✓			
3	Lecture sequence was well planned				✓	
4	Lectures were clear and easy to understand			✓		
5	Teaching Aids were effective				✓	
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course			✓		
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course				✓	

Please give suggestion for the improvement of the course

R. Jawahar.  
Signature

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
**SCHOOL OF AGRICULTURAL SCIENCES**  
**VALUE ADDED COURSE**  
**Courses on Pesticide & Fertilizer Applicator Training (2019-2020)**  
**Students Feedback**

S.No	Reg No	Name	Rating
1	U18AG002	YASHIKA S	3.5
2	U18AG004	SIVAPRIYA S	4.5
3	U18AG011	VAGGA VARSHINI	4.5
4	U18AG012	NARMADHA D	5
5	U18AG013	JAWAHAR R	4.6
6	U18Av014	CHANDRU R	5
7	U18AG015	VIGNESH T	4.4
8	U18AG016	YEDLA RAVI TEJA	3.7
9	U18AG018	OGETI VISWANADHA SASTRY	4.5
10	U18AG019	ANNAM SONIA	4.5
11	U18AG020	GOWSHIK BALA S M	5
12	U18AG021	GADDE MANEESH KUMAR	5
13	U18AG022	DINESH R	5
14	U18AG023	P JYOTHIKA	5
15	U18AG024	KYNTUMIKI SLONG	4.5
16	U18AG025	PRIYA VARSHINI P	5
17	U18AG026	KARTHIKEYAN V	4.5
18	U18AG027	KAVIYA SRI J	5
19	U18AG028	GADDE SRI NAGA GOPI	4.5
20	U18AG029	JAISON JAYAKUMAR M	4
21	U18AG030	K SAI CHAITANYA	5
22	U18AG031	MODDU SAI SUJAN	4.5
23	U18AG032	PRAVEEN KUMAR G	5
24	U18AG033	PEGADA JAYASRI	4
25	U18AG034	SURIYA R	4.5
26	U18AG035	NEELAKANTAM SIVANI	5
27	U18AG036	KAYYURI POOJITHA	5
28	U18AG038	SAMMANA HARATHI	5
29	U18AG039	ASI VYSHNAVI	4.5
30	U18AG040	BOYAPATI ANUSHA	5
31	U18AG041	HARINI N	4.5
32	U18AG042	BASKARAN V	4.5
33	U18AG043	RAJ KUMAR N	5
34	U18AG044	RISHITHA	5
35	U19AG001	ABINAYA. M	5
36	U19AG003	ABIRAMI. J	4.5
37	U19AG004	ABISHEK. R	5
38	U19AG006	BALAJI. B	5
39	U19AG007	BANDI. MADHURI	4.5
40	U19AG010	DHAIRIYA LAKSHMI	4

41	U19AG011	DHEERATHANA. P	5
42	U19AG012	DILIP KUMAR. M	5
43	U19AG013	GANJI. CHANDU	4.5
44	U19AG015	GUTTULA TEJASWI	4
45	U19AG020	KAVIYA SRI. S	4.5
46	U19AG021	KAVIYARASAN. R	4.5
47	U19AG022	KOMALA. N	5
48	U19AG024	MANISHA. D.J	4
49	U19AG025	MARAN. S	4
50	U19AG026	MUGESH. R	4
51	U19AG034	POOJA PATTU. R	4.5
52	U19AG040	SANGEETHA.R	4.5
53	U19AG043	SIVAPU. PRIYANAKA	4
54	U19AG044	SURESH KUMAR B.T	4
55	U19AG045	SURESH BABU. E	4
56	U19AG045	SURESH BABU. E	4.5
57	U19AG046	THENMOZHIA	4.5
58	U19AG047	THIRUMAL.B	4
59	U19AG048	THULASI G.K	4.5
60	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA	4

**PESTICIDE AND FERTILIZER APPLICATOR TRAINING**

