

**PROFORMA FOR SUBMISSION OF ANNUAL PROGRESS REPORT OF
RESEARCH PROJECTS**

Part-I: General Information

- 200 Project Code :
 2001 Institute Code No. :
 2002 ICAR Code no. :
- 201 Name of Institute and Division :
 2011 Name & Address of Institute : IGFRI, Jhansi-284003
 2012 Name of Division/Section : Crop Improvement Division
 2013 Location of Project : Jhansi

Project Title: CI 8.24 Integrated pest management in an intensive forage production system

- 203 Priority Area :
 2031 Research Approach. :

Applied res.	Basic Res.	Process/Technology Development	Transfer of Technology
01	02	03	04
✓		✓	

APPLIED RESEARCH

- 204 Specific Area: *Pest Management*
 205 Duration: Three Years
 2051 Date of start : 2010-11
 2052 Likely date of completion : 2012-13
 206 Total cost of the Project : 26 Lakh
 2061 Foreign Exchange component (if any): NIL

207 **Project profile summary:** It's imperative to replace existing pesticides based technology with non-toxic & eco-friendly. Due to intensive forage production the crops in long term, usually suffers from biotic pressure; therefore, the present project will evolve environmentally safe and economically viable pest management practice for sustained fodder production.

208 **Key words:** Integrated pest management, Intensive forage production system. IPM module, insect pests, diseases, PPN, GFY, Hybrid Napier, Cowpea, Berseem.

Part - II: Investigator Profile

210 Principal Investigator :

2101 Name : Dr.N.K.Shah
2102 Designation : Sr. Scientist
2103 Division : Crop Improvement Division
2104 Location : Jhansi
2105 Institute : IGFRI, Jhansi - 284003

211 Co-investigator:

2111 Name : R.B. Bhaskar
2112 Designation : Sr. Scientist
2113 Division : Crop Improvement Division
2114 Location : Jhansi
2115 Institute : IGFRI, Jhansi - 284003

212 Co- investigator:

2121 Name : Dr.M.I.Azmi
2122 Designation : Pr. Scientist
2123 Division : Crop Improvement Division
2124 Location : Jhansi
2125 Institute : IGFRI, Jhansi - 284003

Part - III : Technical Details

220 Introduction and objectives:

2201 Origin of the project: (Problem identification) Forage crops are directly cut and fed to the livestock therefore the use of synthetic pesticides becomes irrelevant. It is utmost important to replace existing pesticides based technology with non-toxic, eco-friendly either plant based pesticides or through bio-control agents. Keeping this in view as well as the disadvantages associated with the use of insecticides in low value forage crops the present studies were aimed.

2202 Definition of the project: In forage production system (Hybrid Napier + Cowpea

