



**N.M. College of Agriculture
Navsari Agricultural University
Navsari 396 450**



ACN/Ento/Land Allocation/

/2022; Navsari,

Date: 12/09/2022

To
The Principal
N. M. College of Agriculture
NAU, Navsari- 396 450

Subject: Application for the acquisition of land for Departmental trial

Name of Principal Investigator & Contact No.	:	Dr. C. U. Shinde Mo. 9725105636
Department	:	Department of Entomology, N.M. College of Agriculture, NAU, Navsari
Budget Head	:	12939
Title of the experiment	:	Bioefficacy of bioformulations against maize fall armyworm (FAW), <i>Spodoptera frugiperda</i> (J.E. Smith) under South Gujarat conditions
Year and Season Crop and variety	:	Rabi-2022 Maize & Sugar-75
Nos. of Treatments & Replications	:	Treatments: 6 Replications: 4
Design	:	RBD
Plot Size	:	Gross plot: 3.6 m X 4.0 m = 14.4 m ² Net plot: 2.4 m x 3.2 m = 7.68 m ²
Total experimental area	:	28.60 m x 21.0 m = 600.60 m²
Layout plan with full detail	:	Sheet- I
Inputs requirement for this purpose	:	Sheet-II (All kind of inputs with its quantity for experimental area must be provided)

(C.U. Shinde)

Signature of PI

Recommended by

Approved by

Professor & Head
Department of Entomology,
NMCA, NAU, Navsari

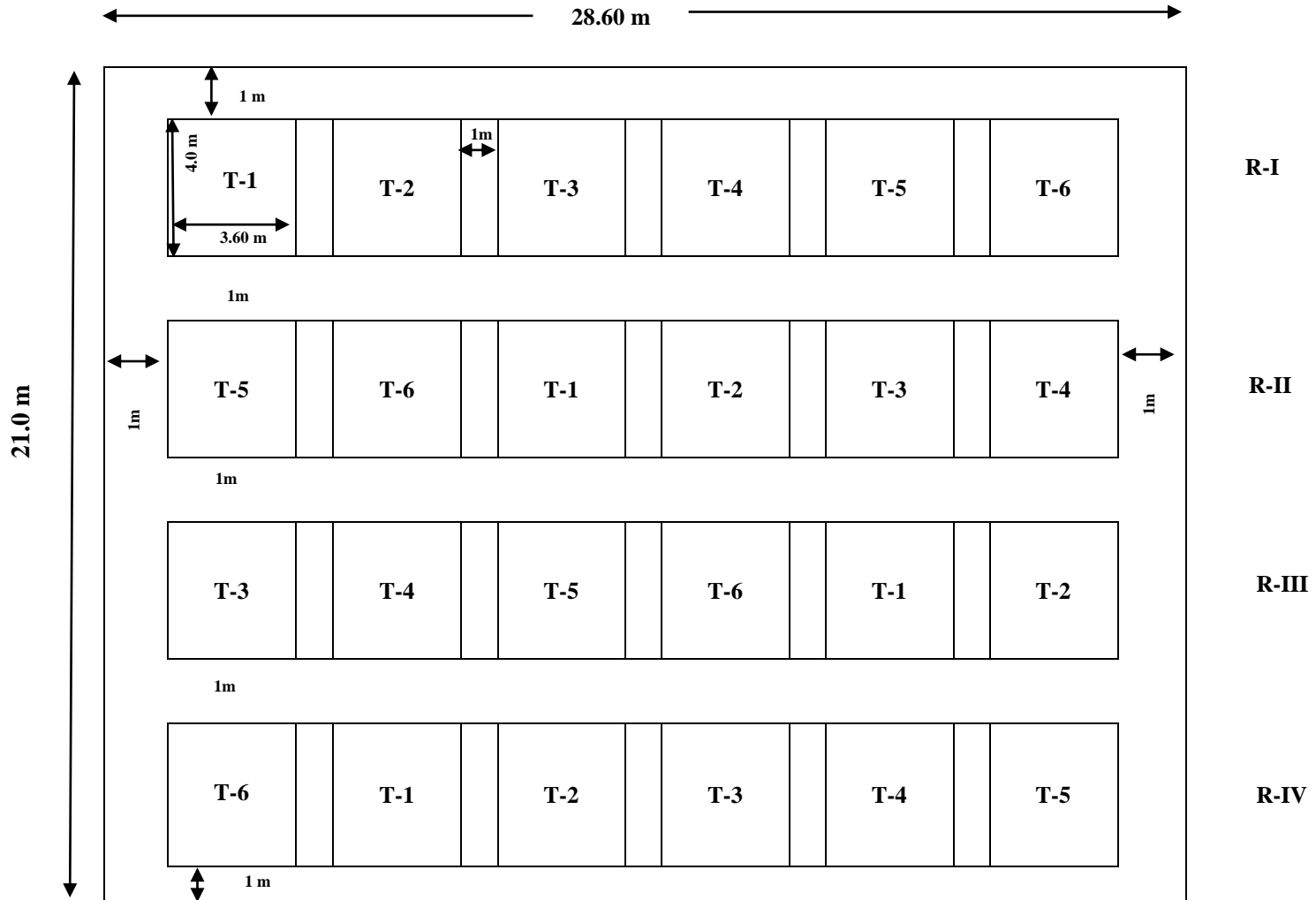
Principal
N. M. College of Agriculture
NAU, Navsari 396450

CFWRs to:

The Farm Manager, College Farm, NMCA, NAU, Navsari for information & necessary action.

Sheet-I: Layout

Objective: Bioefficacy of bioformulations against maize FAW, *Spodoptera frugiperda* (J.E. Smith)



Details of Experiment:

Location: College Farm, N.M.C.A., N.A.U., Navsari.		Total Area: 28.60 m x 21.0 m = 600.60 m ²
Crop & Variety: Maize & Sugar-75	Design: Randomized Block Design	Gross plot: 3.6 m X 4.0 m = 14.4 m ² (6 Rows; 20 Dibbles)
Season and year: <i>Rabi: 2022</i>	Treatments: 06	Net plot: 2.4 m X 3.2 m = 7.68 m ² (4 Rows; 16 Dibbles)
	Replications: 04	Spacing: 60 cm X 20 cm
		Total number of plants/Gross plot: 120
		Total number of plants/Net plot: 64

SHEET - II: PACKAGE OF PRACTICES

1	Crop	Maize
2	Botanical Name	<i>Zea mays</i> L
3	Family	Poaceae
4	Date of sowing	Third week of October
5	Season	<i>Rabi</i> - season
6	Year	2022
7	Seed	Maize (Sugar-75) The said variety will be supplied by this department.
8	Spacing between Rows	60 cm (R-R) and 20 cm (P-P)
9	Climate	-
10	Land preparation	Deep ploughing followed by harrowing and levelling.
11	Fertilizers	<u>Recommended Dose of Fertilizer-</u> 120: 60: 00 kg/ha, N: P ₂ O ₅ : K ₂ O kg/ha Urea = 16.00 kg SSP (Single Supper Phosphate) = 23.00 kg
12	Inter-culturing and weed management	As and when required.
13	Irrigation	As and when required.
14	Insecticides	As per treatment details No. of Treatments = 06 [Bioformulations (insecticides) will be provided by this department at the time of spraying].