NATURAL FARMING

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OBJECTIVE

- THE OBJECTIVE OF THE PROGRAMME IS TO MAKE THE TRAINEES TO KNOW ABOUT CONCEPTS OF NATURAL FARMING
INTRODUCTION

PRODUCTION SYSTEM =

LAND + LABOUR+ CAPITAL+INPUTS

ENVIRONMENT INCLUDES

- SOIL
- WATER
- PLANT SPECIES
- OTHER
ZERO BUDGET NATURAL FARMING
N.F : WHAT IT MEANS..

- CULTIVATION OF CROPS USING NATURAL RESOURCES
WHY NATURAL FARMING?

- DUE TO POLLUTION
- TO LESSEN COST OF CULTIVATION
- PROTECTION OF BIODIVERSITY
- FOR GOOD QUALITY
- FOR GOOD NUTRITION
FOUR WHEELS OF NATURAL FARMING

- BEEJAMRUTA
- JEEVAMRUTA
- MULCHING
- VAPSA
PEST CONTROL METHODS

- NEEMASTRA
- AGNIASTRA
- BRAHMASTRA
- OTHER ALTERNATIVE METHODS
BEEJAMRUTA AND ITS USES

PREPARATION
WATER 20LTS + COWDUNG 5KGS + COW URINE 5LTS + LIME 50GM + UNDISTURBED SOIL 500GM

USES: SEED TREATMENT TO CONTROL SEED BORNE DISEASES.
**BEEJAMRITA**

**Preparation of Beejamrita**

- 5kg Cow dung + 5L cow urine + 20L water
- Soaked for 12 hrs.
- Squeeze in water tub
- Ready to be added to the seeds
- Stir well
- Add 50gm lime water & cow urine
JEVAMRUTA

- LIQUID JEEVAMRUTA
  WATER 200LTS + COWDUNG 10KGS + COW URINE 5-10 LTS + JAGGERY 2KGS + PULSE FLOUR 2KGS + UNDISTURBED SOIL 500GM.
  **DOSE**: 200LTS /AC AS SOIL APPLICATION

**USES**: FOR SPRAYING AND SOIL APPLICATION. SPRAYING SCHEDULE SHALL BE DEvised AS PER CROPS SPECIES.
GHANA JEVAMRUTA

- SOLID JEEVAMRUTA
  COW URINE REQUIRED QUANTITY +
  COWDUNG 100KGS + JAGGERY 2KGS
  +PULSE FLOUR 2KGS + UNDISTURBED SOIL
  500GM

USES: FOR SOIL APPLICATION (DOSE GJ 20 KG +10KG FYM).
PLANT PROTECTION

PREPARATION OF

- **NEEEMA STRA**: WATER 100LTS + COW DUNG 5KGS + COW URINE 5LTS + NEEM LEAVES 5KGS. Dose: 100LTS/AC,

- **AGNI ASTRA**: NEEM LEAVES 1.5KGS + TOBACCO LEAVES 1KG + CHILLIES 1KGS + GARLIC ½ KG + COW URINE 10LTS. DOSE: 2LTS/200LTS OF WATER.

- **BRAHMA STRA**: 5 PLANT SPECIES LEAVES, 2KGS EACH + 20LTS OF WATER. DOSE: 6LTS /200LTS OF WATER
NEEMASTRA

Preparation of Neemastra

1. Take 100L water
2. Add 5L of cow urine
3. Add 5kg cow dung
4. Filter using a cloth
5. Ferment for 24 Hrs. Stirred solution twice a day by any stick.
6. Crush 5kg neem leave; add the pulp
7. Ready for Spray for sucking pests & Mealy Bug
Bramhastra

Preparation of Bramhastra

1. Take a pot
2. Add 10L Cow, Crush 3Kg Neem Leaves & add this neem pulp in this water
3. Boil solution 5 times
4. Ready to spray on trees to control sucking pests, pod borer, fruit borer etc.
5. Filter using cloth, fermented for 24 Hrs
MULCHING

- SPREADING DIFFERENT NATURAL MATERIALS ON THE SOIL

- BY LIVE MULCH (BY SOWING GREEN MANURE CROPS) OR SOIL MULCH (PULVERISING TOP LAYER OF SOIL)
VAPSA

- CREATING WATER VAPOUR SITUATION IN THE SOIL
USES

- NO PESTICIDAL RESIDUES
- PATH FOR CULTIVATION OF CROP SPECIES WITHOUT CHEMICAL RESOURCES ENSURED BY NATURAL FARMING
- LESS COST OF CULTIVATION
- PROTECTION OF BIODIVERSITY
THANK YOU