

Jal Smruti RegenerativeAgri Farm Assessment

This form must be filled by the Sanchaalak on the ground working directly with farmers on behalf of Jal Smruti or the partner NGO

About the Farmer whose farm is being assessed

Full name of Farmer

Mahantesh BK

Date of Assessment

MM DD YYYY

05 / 31 / 2025

Gender

MALE

Date of Birth

01/06/1975

Aadhar Card Number

788652617945

About the Farm that is being Assessed

Name of the Farm land which is being assessed (Eg East portion, West portion etc) *

East Portion

Google map location link of the Farm land being assessed *

<https://maps.app.goo.gl/wrxrm8mb4qCSP8AW7>

What is the area of the farm land being assessed include the units *

1.5 acre

Describe the current crops (as of now or just before the recent harvest or what is going to be grown in recent future) being grown on the farm land, When answering mention if the crop info is current (on Date of Assessment), past (how many days prior to date of assessment) or future (how many days after the date of assessment) *

2024 - Avare cultivated, 2025 - Maize

1) Soil Health Assessment

1.1 Which one of the following best describes the crop cover and living roots in this farm?

- ☒ 0 Fields remain bare post-harvest; no cover or living roots.
- ☐ 1 Occasional cover or volunteer growth left unintentionally.
- ☐ 2 Cover crops used in some seasons.
- ☐ 3 Cover crops used intentionally and consistently on most plots.
- ☐ 4 Diverse, multi-species cover crops maintained year-round for continuous soil cover and living roots.

1.2 Which one of the following best describes the tillage practices in this farm?

- ☒ 0 Conventional deep tillage used regularly.
- ☐ 1 Occasional reduced tillage in select plots.
- ☐ 2 Reduced tillage used across many fields.
- ☐ 3 Minimum tillage applied consistently.
- ☐ 4 No-till or minimal disturbance practiced with specialized tools; soil structure well-preserved.

1.3 Which one of the following best describes the Soil Amendments practices in this farm?

- ☒ 0 No compost or organic inputs; only synthetic fertilizers used.
- ☐ 1 Some compost used, often externally sourced.
- ☐ 2 Own-farm compost applied to a few plots.
- ☐ 3 Regular application of well-prepared compost/farmyard manure.
- ☐ 4 Integrated system using compost, bioinputs, and soil biology enhancement (e.g. jeevamrit/vermicompost).

2) Biodiversity & Crop Management

2.1 Which one of the following best describes the Crop Rotation & Diversity practices in this farm?

- ☒ 0 Mono-cropping followed throughout.
- ☐ 1 Rotation done once in a while, with limited diversity.
- ☐ 2 Seasonal rotation practiced with 2–3 crops.
- ☐ 3 Intentional multi-season rotation with diverse crops.
- ☐ 4 Polyculture/intercropping used, integrating trees or perennial species where possible.

2.2 Which one of the following best describes the Use of Indigenous or Resilient Seeds practices in this farm?

- ☒ 0 Fully dependent on hybrid or GM seeds.
- ☐ 1 One indigenous variety grown occasionally.
- ☐ 2 Mix of commercial and local seeds used.
- ☐ 3 Local/open-pollinated seeds preferred for most crops.
- ☐ 4 Community-led seed saving and breeding practiced for diverse, climate-resilient crops.

3) Pest, Disease and Input Management

3.1 Which one of the following best describes the Use of Chemical Pesticides practices in this farm?

- ☒ 0 Regular use of chemical pesticides and herbicides.
- ☐ 1 Reduced chemical sprays in some plots.
- ☐ 2 Mixed use of chemicals and natural sprays.
- ☐ 3 Fully transitioned to natural/bio pest control (e.g. neem, cow-based).
- ☐ 4 Ecological pest management with habitat enhancement (e.g. trap crops, predators)

3.2 Which one of the following best describes the Input Reliance practices in this farm?

- ☒ 0 Fully dependent on external inputs (seeds, fertilizers, pesticides).
- ☐ 1 Some homemade inputs used.
- ☐ 2 Use of jeevamrit/panchagavya on select plots.
- ☐ 3 Most inputs prepared on-farm with natural materials.
- ☐ 4 Complete input self-reliance with community-level sharing and training.

4) Integration of Livestock

4.1 Which one of the following best describes the Livestock Integration with Cropping Systems practices in this farm?

- ☒ 0 No livestock or completely separated from crops.
- ☐ 1 Livestock present but not integrated into farm system.
- ☐ 2 Manure used occasionally on fields.
- ☐ 3 Livestock and crop systems managed to support each other.
- ☐ 4 Full integration: rotational grazing, manure used for composting, fodder crops grown.

4.2 Which one of the following best describes the Livestock Grazing practices in this farm?

- ☒ 0 Free grazing without management.
- ☐ 1 Stall-fed or tethered grazing, no rotation.
- ☐ 2 Some paddock or rotational grazing practiced.
- ☐ 3 Managed rotational grazing with rest periods for recovery.
- ☐ 4 Holistic grazing with pasture improvement and high biomass regeneration.

5) Water & Soil Moisture Management

5.1 Which one of the following best describes the Rainwater Harvesting & Groundwater Recharge practices in this farm?

- ☒ 0 No rainwater harvesting structures.
- ☐ 1 Basic bunding or trenches with minimal impact.
- ☐ 2 Farm ponds or check dams on parts of the farm.
- ☐ 3 Effective farm-level harvesting structures maintained.
- ☐ 4 Integrated recharge system with soil moisture, ponds, and runoff control.

5.2 Which one of the following best describes the Soil Moisture Conservation practices in this farm?

- ☒ 0 Water runs off quickly; no moisture management.
- ☐ 1 Mulching done occasionally.
- ☐ 2 Regular mulching or compost used for moisture.
- ☐ 3 Water-saving practices like furrow planting adopted.
- ☐ 4 Contour bunds, cover crops, mulch, and soil structure ensure year-round moisture.

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