

Satellite Soil Health

Soil Diagnostic Report

Prepared by Greenaffair · Komal Jaiswal, Permaculture Practitioner

FARM DETAILS

Farm Name / Owner

[Farm name]

Location

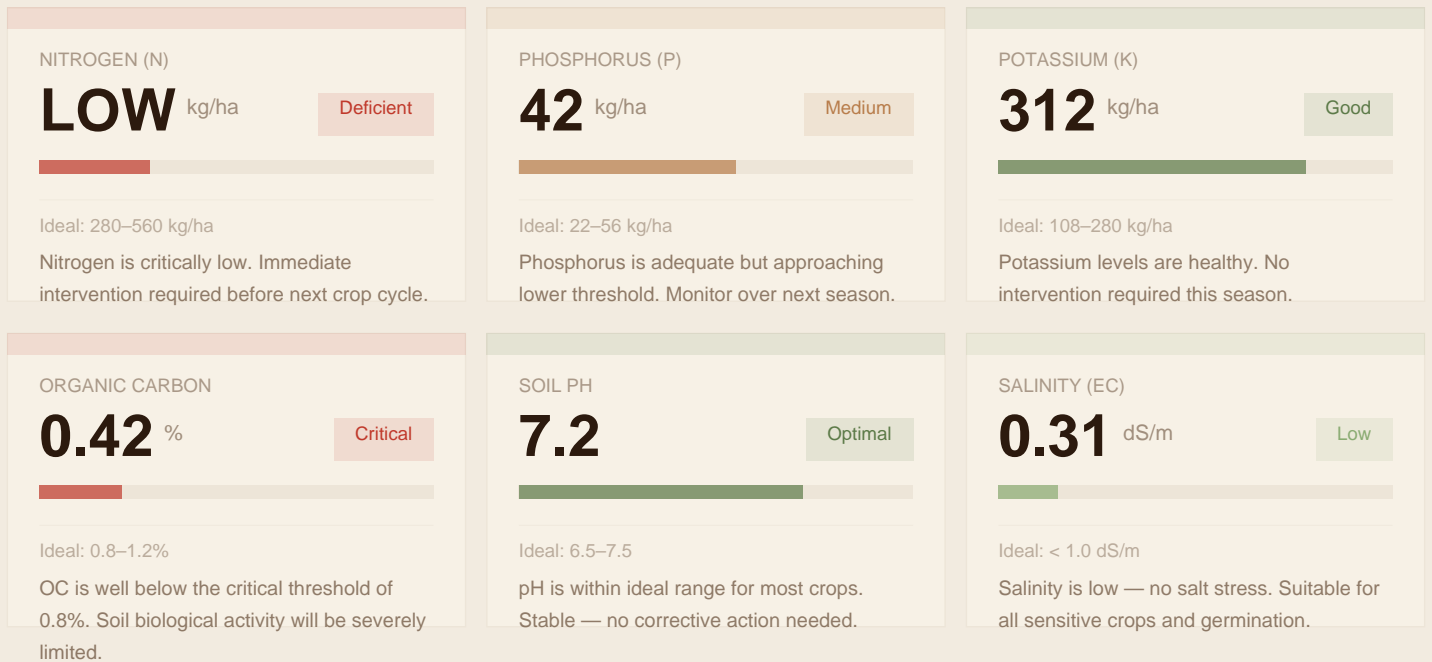
[District, State]

Report Date

[DD/MM/YYYY]

SOIL PARAMETER ANALYSIS

Your Soil Health Results



MOISTURE ZONE MAPPING

Satellite moisture data shows moderate dryness in the northern 30% of the farm boundary. Recommend checking irrigation coverage in that zone.

ACTION PLAN

What To Do Next

IMMEDIATE — Before next sowing**Apply Jeevamrit or vermicompost tea**

200 litres per acre. Dilute 1:10 with water. Apply at root zone in the evening. Repeat every 21 days for 3 cycles. This will begin restoring nitrogen and microbial activity within 4–6 weeks.

Stop all synthetic nitrogen applications

Your nitrogen is low but the problem is biological — not a simple deficiency. Adding urea will worsen microbial collapse. Address OC and biology first; nitrogen will follow naturally within one season.

WITHIN 30 DAYS**Mulch with crop residue or dry grass**

Minimum 3-inch layer across the entire field. Do not burn residue. Organic carbon is critically low — every gram of organic matter added to the surface is investment in next year's yield.

Cease all tillage on the identified northern dry zone

The moisture deficit zone in the north-western 30% needs cover cropping, not more cultivation. Sow cowpea or sunn hemp as a cover crop immediately.

THIS SEASON**Introduce phosphorus-solubilising bacteria (PSB)**

Even though phosphorus levels appear medium, availability is likely restricted by low OC and biology. Apply PSB inoculant at sowing — 250g/acre. This will improve P uptake without additional P input.

Monitor and retest in 90 days

A follow-up satellite test after 90 days will show whether the organic carbon and microbial interventions are working. We recommend this as a minimum checkpoint.

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