

Thread:

- 🔍 **Weather** – "What's the 7-day weather forecast for my village near Guntur, Andhra Pradesh?"
- 🔍 **Follow-up Crop Advice** – "Given that weather, which crop should I grow this season?"
- 🔍 **Variety Choice** – "For that crop, which seed variety will handle unexpected heavy rain better?"
- 🔍 **Pest Risk** – "Are there any pest outbreaks expected in my district for that crop?"
- 🔍 **Irrigation Advice** – "How often should I irrigate during the next two weeks?"
- 🔍 **Soil Check** – "If my soil pH is 6.2 and nitrogen is low, will that crop still grow well?"
- 🔍 **Fertilizer Plan** – "Suggest an affordable fertilizer schedule for me."
- 🔍 **Government Support** – "Are there any current government schemes or subsidies for this crop?"
- 🔍 **Market Outlook** – "Will the market price for this crop likely increase in the next month?"
- 🔍 **Final Decision** – "Given all this, should I go ahead with planting now or wait?"

## 150+ Edge Case Questions

Grouped to test **noisy data**, **multilingual queries**, **code-switching**, **hallucination control**, **trust and explainability**, and **real-world high-cost mistakes**.

### 1. Weather & Climate (Predictive & Historical)

11. "Will it rain in Karimnagar tomorrow?"
12. "Next week's temp in °F please for Nashik farms?"
13. "Kal barsaat aayega kya Bareilly me?" (Hindi)
14. "How many rainy days in July 2023 in my taluka?"
15. "I need frost alerts for my apple orchard in Himachal."
16. "Maṅgalvāra ko kitni garmi hogi?" (code-switch Hindi-English)
17. "What's the earliest sunrise time next month in my district?"
18. "Is there a cyclone heading towards Odisha coast now?"
19. "Past 5 years ka monsoon pattern dikhao." (Hindi)
20. "Wind speed forecast for Sunday in km/h?"

### 2. Crop Recommendation & Planning

21. "Which crop grows best in black cotton soil with 80 cm annual rainfall?"
22. "Low water crops for dryland farming near Barmer?"

23. "Kya main is saal sugarcane ugā sakta hu agar paani kam hai?" (Hindi)
24. "Best alternative to paddy if drought hits?"
25. "Short duration crops with market demand in winter?"
26. "Which legume crop tolerates salinity best?"
27. "अगर बारिश देर से आए तो कौन सी फसल लगाऊँ?" (Hindi)
28. "What crop rotation is best after wheat harvest here?"
29. "Two crops that mature before Diwali?"
30. "Low maintenance cash crops for my area?"

### **3. Soil & Nutrients**

31. "My soil nitrogen: low, phosphorus: medium, potassium: high — what's ideal crop?"
32. "Clay soil crops list needed."
33. "What does pH 8.2 mean for farming?"
34. "मिट्टी में organic carbon कम है, क्या करें?" (Hindi)
35. "Any crop that grows well without fertilizer?"
36. "Saline soil + brackish water — any option?"
37. "Soil test data from government lab — can you interpret?"
38. "Best micronutrient mix for maize in sandy loam?"
39. "If I don't add potassium, will banana yield drop?"
40. "How to improve acidic soil quickly?"

### **4. Pest & Disease Warnings**

41. "Any locust swarms in Rajasthan right now?"
42. "Rice blast disease ka ilaaj?" (Hindi)
43. "Forecast pest risk for cotton in Vidarbha."
44. "Cheap organic pest control for chilli plants?"
45. "Is Tuta absoluta spreading in Andhra Pradesh?"
46. "When is peak season for fruit fly infestation in guava?"
47. "Bollworm ka attack rokne ka tarika?" (Hindi)
48. "If it rains after pesticide spray, is it wasted?"
49. "Best resistant wheat variety for rust disease?"
50. "How to identify early leaf spot in groundnut?"

### **5. Irrigation & Water Management**

51. "How many litres per acre for drip irrigation in tomato?"
52. "Next week ka irrigation schedule bana do for sugarcane." (Hindi)
53. "If borewell water TDS is high, can I still use it?"
54. "How to save water in rice farming?"
55. "Cheapest sprinkler system brand in India?"
56. "Moisture requirement for sunflower?"
57. "If it rains 50 mm today, skip irrigation tomorrow?"
58. "Best time to water plants during summer?"
59. "Pond capacity needed for 2 acres paddy?"
60. "Can I irrigate at night for better efficiency?"

## **6. Government Schemes & Subsidies**

61. "PM-KISAN registration kaise karein?" (Hindi)
62. "Is there subsidy for solar pumps now?"
63. "Any state scheme for organic farming in Kerala?"
64. "Fertilizer subsidy ka rate kitna hai ab?" (Hindi)
65. "Loan options for drip irrigation from NABARD?"
66. "Can tenant farmers apply for crop insurance?"
67. "Free seed distribution programs 2024?"
68. "Paddy procurement price this year?"
69. "List of central govt agri schemes right now."
70. "Eligibility for soil health card?"

## **7. Market & Price Predictions**

71. "Next month's onion price trend?"
72. "Where to get best price for groundnut in Gujarat?"
73. "Aaj ka mandi rate for tur dal?" (Hindi)
74. "Can I store maize for 6 months without loss?"
75. "Best season to sell turmeric for profit?"
76. "Jowar ka minimum support price kya hai?" (Hindi)
77. "Expected demand for soybean next quarter?"
78. "Are cotton prices increasing globally?"
79. "Is online selling of vegetables profitable?"

80. "Any mandi offering above MSP for wheat?"

## **8. Multilingual & Code-switch Stress Tests**

- 81. "Kal ka mausam forecast batao in English."
- 82. "What crop for loamy soil, low rainfall, aur zyada profit?"
- 83. "NPK kitna dena chahiye maize ko in kg?"
- 84. "Barish hoga kya on Sunday near my farm in Tamil Nadu?"
- 85. "Phir se batao yield kaise badhaye?"
- 86. "Sabse sasti irrigation technique kaunsi hai and why?"
- 87. "Can you list paddy varieties jo flood resist karte hain?"
- 88. "Rainwater harvesting se kitna paani store kar sakte hai?"
- 89. "Give me fertilizer ka schedule in tabular format."
- 90. "Sahi beej kahan milega near me?"

## **9. Extreme Edge Case Scenarios**

- 91. "What if rainfall forecast is wrong — backup plan?"
- 92. "If I plant paddy late by 2 weeks, what happens?"
- 93. "Market crashes after harvest — options?"
- 94. "Fertilizer unavailable — what substitutes?"
- 95. "Sudden pest outbreak after pesticide ban — solution?"
- 96. "If I lose crop due to hailstorm, insurance claim kaise karein?"
- 97. "Unexpected flood — can I replant in same season?"
- 98. "Power outage for 1 week — irrigation plan?"
- 99. "Government announces export ban — kya karein?"
- 100. "Fungus in storage after 1 month — how to salvage?"

## **10. Dialect & Regional Variations**

- 101. "Kal barsat parson bhi hoga kya Marathwada me?" (Marathi-Hindi mix)
- 102. "Enna mazhai varuma naalai?" (Tamil)
- 103. "Mora khet me paani jama hai, ab ka karein?" (Bhojpuri)
- 104. "Bari hoibo kal?" (Bengali — asking if it will rain)
- 105. "Mera mati pH 5.5 ase, ki lagabo?" (Assamese mix)
- 106. "Bari barish hote khet me paani nikalne ka tarika kya?"
- 107. "Chhattisgarhi boli me bata, kaun crop barish me badiya hai?"

- 108. "Haryanvi me samjha — bajre ka beej kab bona hai?"
- 109. "Telugu lo cheppu — e season lo manchi pantalu enti?"
- 110. "Gujarati ma bolo — kaun crop vadhare paani na mange?"

#### **11. Contradictory or Unreliable Data**

- 111. "IMD says no rain, but local app says rain — which do I trust?"
- 112. "Last year prediction wrong tha — tumhara prediction kitna sahi hota hai?"
- 113. "Two labs gave different soil test results — kaunsa sahi hai?"
- 114. "Market rates differ mandi to mandi — kis pe rely karun?"
- 115. "Pest warning SMS me alag info tha — kiska follow karun?"
- 116. "Govt MSP announcement aur local trader price mismatch — kya karun?"
- 117. "Fertilizer dealer says no need for potash — sach hai kya?"
- 118. "One weather model says cyclone, another says safe — now what?"
- 119. "Neighbour says wheat won't grow here — sach hai?"
- 120. "Soil map data 5 saal purana hai — still valid?"

#### **12. Fake or Noisy Inputs**

- 121. "Rainfall: 9999mm, temp: -20°C — suggest crop." (nonsense values)
- 122. "Soil pH: banana, Nitrogen: high sugar — recommend." (non-numeric)
- 123. "Rainfall data missing for last 3 months — crop idea?"
- 124. "Pest count sheet smudged — still usable?"
- 125. "My friend guessed soil pH — can we plan crop?"
- 126. "Weather station battery dead — any alternative source?"
- 127. "Sensor giving only half readings — continue or stop farming plan?"
- 128. "Field GPS location off by 20 km — will it matter?"
- 129. "Random soil test from neighbor's field — use for my farm?"
- 130. "If data is incomplete, can you still predict?"

#### **14. High-cost Decision Scenarios**

- 141. "Planting paddy will use all my water — go ahead or not?"
- 142. "If I switch to cash crop now, loan repayment possible?"
- 143. "Selling wheat early at low price vs storing — better choice?"
- 144. "Should I take crop insurance this year despite high premium?"

- 145. "Invest in cold storage or buy tractor?"
- 146. "If I skip fertilizer, yield may drop — take risk?"
- 147. "Which crop will recover cost fastest?"
- 148. "Shift to organic — profit kitna hoga?"
- 149. "Hire labour now or wait till harvest?"
- 150. "Lease land to another farmer — smart move?"

#### **15. Extreme Weather Crisis**

- 151. "Heavy rain washed away topsoil — kya karein?"
- 152. "Hailstorm destroyed half crop — continue or cut losses?"
- 153. "Flood water still in field — crop salvage possible?"
- 154. "Drought for 2 months — emergency steps?"
- 155. "High wind damage to banana plants — can save?"
- 156. "Heatwave alert — shade net useful?"
- 157. "Unexpected frost hit my chilli plants — saveable?"
- 158. "Cyclone warning — protect greenhouse how?"
- 159. "Dust storm approaching — precautions?"
- 160. "Lightning damaged irrigation pump — fix or replace?"

#### **16. Post-harvest & Storage**

- 161. "Wheat storage without fungus for 6 months?"
- 162. "Mango cold storage temp needed?"
- 163. "How to keep onions from sprouting?"
- 164. "Jute bales getting wet in rain — protect kaise karein?"
- 165. "Grain moisture too high — dry kaise karein?"
- 166. "Rodent proof storage tips?"
- 167. "Plastic bags vs gunny bags — better for maize?"
- 168. "Chillies lost color in storage — cause?"
- 169. "Groundnut seed viability test method?"
- 170. "Rice weevils control in storage?"

#### **17. AI Trust & Explainability**

- 171. "Why did you suggest maize instead of wheat?"
- 172. "Show data you used for this forecast."

- 173. "How accurate were you last season?"
- 174. "Can you prove this pest warning is correct?"
- 175. "What's your confidence in this price prediction?"
- 176. "Who gave you the soil nutrient thresholds?"
- 177. "Explain in simple words why not to grow paddy."
- 178. "Give me sources for this advice."
- 179. "If you are wrong, who is responsible?"
- 180. "Do you ever change your answer later?"

#### **18. Rare Special Cases**

- 181. "Farming on rooftop in city — which crops?"
- 182. "Hydroponics setup — cucumber or lettuce better?"
- 183. "Bee farming with mustard — yield effect?"
- 184. "Algae farming profitable?"
- 185. "Goat manure vs cow manure — which better for pulses?"
- 186. "Medicinal plants to grow in shade?"
- 187. "Intercropping coconut with pepper — good?"
- 188. "Aquaponics with fish and spinach — possible?"
- 189. "Growing crops in flood-prone land?"
- 190. "Winter strawberry farming in desert?"

#### **19. Trick or Ambiguous Questions**

- 191. "Best crop in my area?" (no location given)
- 192. "Should I sow now?" (no date given)
- 193. "How to stop pest?" (no crop mentioned)
- 194. "Fertilizer quantity?" (no crop/area mentioned)
- 195. "Market price?" (no commodity mentioned)
- 196. "Rain tomorrow?" (no location/date mentioned)
- 197. "What crop?" (no soil/weather data)
- 198. "When to harvest?" (no crop stage info)
- 199. "Scheme available?" (no crop/state specified)
- 200. "What's the problem?" (no symptoms given)

