

## **Plant Science**

1. The effect of different fertilizers on plant growth.
2. Comparing the growth of plants in soil versus hydroponics.
3. The impact of music on plant growth.
4. How different light spectrums affect plant development.
5. The effects of pH levels on plant health.
6. The role of mycorrhizal fungi in plant nutrient uptake.
7. Comparing organic and chemical fertilizers.
8. The impact of soil compaction on root growth.
9. How different watering schedules affect plant health.
10. The influence of plant spacing on crop yield.
11. The effect of companion planting on pest control.
12. Studying the effects of allelopathy in plants.
13. The impact of climate change on plant growth.
14. The role of pollinators in fruit production.
15. The effect of different mulches on soil moisture and plant health.
16. Investigating the impact of soil salinity on plant growth.
17. Comparing the growth rates of heirloom versus hybrid seeds.
18. The role of nitrogen-fixing bacteria in soil fertility.
19. The impact of urban pollution on plant health.
20. How different soil amendments affect plant growth.

## **Animal Science**

21. The effects of different diets on livestock weight gain.
22. Comparing free-range versus confined animal farming.
23. The impact of probiotics on animal health.
24. The role of genetics in livestock breeding.
25. The effects of heat stress on dairy production.
26. Investigating the behavior of animals in different environments.
27. The impact of different bedding materials on animal comfort.
28. Studying the effects of weaning age on calf growth.
29. The influence of light cycles on poultry egg production.
30. The effects of various supplements on animal health.
31. Comparing growth rates of different fish species in aquaculture.
32. The impact of social structures on animal behavior.
33. Investigating the role of vaccines in livestock health.
34. The effects of climate change on animal migration patterns.
35. The impact of different feeding strategies on milk production.
36. Studying the effects of stress on animal health.
37. Comparing traditional versus modern animal farming practices.
38. The role of animal waste management in environmental health.

39. Investigating the impact of parasites on livestock.
40. The effects of different housing systems on animal welfare.

## **Environmental Science**

41. The impact of agricultural runoff on water quality.
42. Studying the effects of deforestation on local ecosystems.
43. The role of cover crops in soil health.
44. Investigating the impact of pesticides on non-target species.
45. The effects of different land management practices on biodiversity.
46. Comparing the carbon footprint of organic versus conventional farming.
47. The impact of invasive species on local agriculture.
48. Studying the effects of plastic pollution on marine life.
49. The role of wetlands in water purification.
50. Investigating the impact of climate change on agricultural productivity.
51. The effects of different irrigation methods on water conservation.
52. The impact of soil erosion on crop yield.
53. Studying the role of pollinators in ecosystem health.
54. The effects of urban agriculture on food security.
55. Investigating the impact of renewable energy on agricultural practices.
56. The role of agroforestry in sustainable farming.
57. The effects of different composting methods on soil fertility.
58. Comparing the environmental impact of meat versus plant-based diets.
59. The impact of microplastics on soil health.
60. Studying the effects of drought on plant and animal health.

## **Food Science**

61. The effects of different preservation methods on food shelf life.
62. Comparing the nutritional content of organic versus conventional produce.
63. The impact of food additives on health.
64. Investigating the role of fermentation in food preservation.
65. The effects of different cooking methods on nutrient retention.
66. Studying the impact of genetically modified organisms on food quality.
67. The role of food labeling in consumer choices.
68. The effects of packaging materials on food safety.
69. Comparing the taste and texture of different food products.
70. The impact of foodborne pathogens on public health.
71. Investigating the role of antioxidants in food preservation.
72. The effects of different storage conditions on food quality.
73. Comparing the glycemic index of various carbohydrate sources.
74. The impact of dietary supplements on health.
75. Studying the effects of different diets on human health.
76. The role of food fortification in addressing nutrient deficiencies.

77. The effects of probiotics on gut health.
78. Comparing the environmental impact of different food production systems.
79. Investigating the role of superfoods in health and nutrition.
80. The impact of food waste on the environment.

## **Biotechnology**

81. The role of CRISPR in plant breeding.
82. Investigating the effects of genetically modified crops on yield.
83. The impact of bioengineering on pest resistance.
84. Studying the role of bioreactors in food production.
85. The effects of synthetic biology on agriculture.
86. Comparing the efficiency of different biofuel production methods.
87. The impact of biotechnology on animal health.
88. Investigating the role of bioplastics in reducing pollution.
89. The effects of gene editing on crop resilience.
90. Studying the impact of microbial biotechnology on soil health.
91. The role of nanotechnology in food safety.
92. Investigating the effects of biocontrol agents on pests.
93. The impact of biotechnology on water conservation.
94. Comparing traditional breeding methods with genetic engineering.
95. The effects of biostimulants on plant growth.
96. Studying the role of microbial inoculants in sustainable agriculture.
97. The impact of biofertilizers on soil health.
98. Investigating the effects of biopesticides on crop yield.
99. The role of biosensors in agriculture.
100. The effects of biochar on soil fertility.

## **Agricultural Engineering**

101. Designing efficient irrigation systems.
102. Investigating the impact of precision farming on crop yield.
103. The role of drones in modern agriculture.
104. Comparing the efficiency of different types of plows.
105. The impact of automated machinery on farm productivity.
106. Studying the effects of greenhouse design on plant growth.
107. The role of renewable energy in agriculture.
108. Investigating the efficiency of vertical farming systems.
109. The effects of different soil tillage methods on crop yield.
110. Comparing the environmental impact of different farming equipment.
111. The impact of smart technology on water conservation.
112. Designing sustainable farm buildings.
113. Investigating the role of sensors in monitoring soil health.
114. The effects of different greenhouse cooling systems on plant health.

115. Comparing the efficiency of various crop harvesting methods.
116. The impact of technology on labor in agriculture.
117. Studying the effects of mechanization on small-scale farming.
118. The role of robotics in precision agriculture.
119. Investigating the impact of controlled environment agriculture.
120. The effects of different irrigation technologies on water use efficiency.

## **Soil Science**

121. The impact of soil pH on nutrient availability.
122. Comparing the effects of different soil amendments on crop yield.
123. The role of soil microorganisms in nutrient cycling.
124. Investigating the impact of soil compaction on root growth.
125. The effects of cover crops on soil health.
126. Studying the role of earthworms in soil fertility.
127. The impact of soil erosion on agricultural productivity.
128. Comparing the effects of different mulches on soil moisture.
129. The role of organic matter in soil health.
130. Investigating the effects of soil salinity on plant growth.
131. The impact of soil structure on water infiltration.
132. Studying the role of mycorrhizae in plant nutrient uptake.
133. The effects of different tillage practices on soil health.
134. Comparing the impact of synthetic versus organic fertilizers on soil biology.
135. The role of soil carbon sequestration in mitigating climate change.
136. Investigating the effects of soil contaminants on plant health.
137. The impact of soil biodiversity on ecosystem health.
138. Studying the effects of soil pH on microbial activity.
139. The role of biochar in improving soil fertility.
140. The effects of different irrigation methods on soil salinity.

## **Agricultural Economics**

141. The impact of government policies on agriculture.
142. Comparing the profitability of organic versus conventional farming.
143. Investigating the role of subsidies in agricultural productivity.
144. The effects of market fluctuations on crop prices.
145. Studying the impact of trade agreements on agriculture.
146. The role of microfinance in supporting small-scale farmers.
147. Investigating the economic impact of agricultural technology.
148. The effects of climate change on agricultural economics.
149. Comparing the economic sustainability of different farming systems.
150. The impact of global demand on local agricultural practices.
151. Studying the role of cooperatives in improving farmer income.
152. The effects of labor market trends on agriculture.

153. Investigating the economic impact of pest outbreaks.
154. The role of agricultural extension services in economic development.
155. Comparing the costs and benefits of different crop insurance programs.
156. The impact of land tenure systems on agricultural productivity.
157. Studying the economic effects of agricultural subsidies.
158. The role of international aid in supporting agriculture.
159. Investigating the economic impact of food safety regulations.
160. The effects of agricultural education on economic development.

## **Horticulture**

161. The effects of pruning on fruit production.
162. Comparing the growth of different ornamental plant species.
163. Investigating the impact of container size on plant health.
164. The role of grafting in improving plant resilience.
165. Studying the effects of different soil mixes on plant growth.
166. The impact of temperature on seed germination.
167. Comparing the growth rates of various vegetable varieties.
168. The effects of different watering methods on plant health.
169. Investigating the role of plant hormones in growth regulation.
170. The impact of light intensity on flowering.
171. Studying the effects of different fertilizers on ornamental plants.
172. Comparing the growth of plants in indoor versus outdoor environments.
173. The effects of mulching on weed control in gardens.
174. Investigating the impact of plant density on crop yield.
175. The role of plant breeding in horticulture.
176. Studying the effects of different propagation methods on plant health.
177. Comparing the growth of plants in raised beds versus traditional gardens.
178. The impact of pest management strategies on garden health.
179. Investigating the effects of different pruning techniques on plant shape.
180. The role of horticultural therapy in improving mental health.

## **Agricultural Policy**

181. The impact of agricultural subsidies on farming practices.
182. Comparing the effectiveness of different food safety regulations.
183. Investigating the role of government support in sustainable farming.
184. The effects of trade policies on agricultural exports.
185. Studying the impact of environmental regulations on agriculture.
186. The role of agricultural policies in addressing food insecurity.
187. Investigating the impact of land use policies on farming communities.
188. The effects of agricultural research funding on innovation.
189. Comparing the impact of different agricultural extension programs.
190. The role of policy in promoting organic farming.

191. Studying the effects of farm labor regulations on productivity.
192. Investigating the impact of climate policies on agriculture.
193. The effects of water management policies on farming.
194. Comparing the effectiveness of different agricultural subsidy programs.
195. The role of policy in supporting small-scale farmers.
196. Investigating the impact of food labeling regulations on consumer choices.
197. The effects of agricultural trade agreements on local economies.
198. Studying the impact of agricultural policies on biodiversity.
199. The role of government in promoting sustainable farming practices.
200. Investigating the effects of policy on agricultural innovation.

## **Agricultural Education**

201. The impact of hands-on learning in agricultural education.
202. Comparing the effectiveness of different teaching methods in agriculture.
203. Investigating the role of agricultural education in promoting sustainable practices.
204. The effects of agricultural education on career choices.
205. Studying the impact of agricultural clubs and organizations on student engagement.
206. The role of technology in modern agricultural education.
207. Investigating the effectiveness of agricultural internships.
208. The effects of agricultural education on community development.
209. Comparing the impact of urban versus rural agricultural education programs.
210. The role of experiential learning in agriculture.
211. Studying the effects of agricultural education on student achievement.
212. Investigating the impact of agricultural literacy programs.
213. The effects of agricultural education on entrepreneurship.
214. Comparing the effectiveness of different agricultural curriculum designs.
215. The role of mentorship in agricultural education.
216. Investigating the impact of agricultural competitions on student learning.
217. The effects of agricultural education on leadership skills.
218. Studying the impact of agricultural education on public awareness.
219. The role of agricultural education in promoting food security.
220. Investigating the effects of agricultural education on policy development.

## **Aquaculture**

221. The effects of water quality on fish health.
222. Comparing the growth rates of different fish species in aquaculture.
223. Investigating the impact of feed types on fish growth.
224. The role of aquaponics in sustainable farming.
225. Studying the effects of temperature on fish metabolism.
226. The impact of stocking density on fish health.
227. Comparing the efficiency of different aquaculture systems.
228. The effects of light cycles on fish reproduction.

229. Investigating the impact of water flow rates on fish growth.
230. The role of probiotics in fish health.
231. Studying the effects of different water treatments on fish health.
232. Comparing the growth of fish in freshwater versus saltwater systems.
233. The impact of aquaculture on local ecosystems.
234. Investigating the effects of different breeding techniques on fish health.
235. The role of biofilters in maintaining water quality.
236. Studying the impact of diet composition on fish health.
237. Comparing the effects of different tank designs on fish behavior.
238. The impact of aquaculture waste management on the environment.
239. Investigating the effects of water salinity on fish health.
240. The role of genetic selection in improving fish yield.

## **Agricultural Marketing**

241. The impact of branding on consumer choices in agriculture.
242. Comparing the effectiveness of different marketing strategies for farm products.
243. Investigating the role of social media in agricultural marketing.
244. The effects of packaging on consumer perceptions of agricultural products.
245. Studying the impact of farm-to-table movements on marketing.
246. The role of local markets in supporting small-scale farmers.
247. Investigating the effectiveness of direct-to-consumer sales in agriculture.
248. The effects of product labeling on consumer behavior.
249. Comparing the impact of traditional versus digital marketing in agriculture.
250. The role of marketing cooperatives in supporting farmers.
251. Studying the effects of seasonal marketing strategies on sales.
252. Investigating the impact of certification programs on marketing.
253. The effects of consumer education on agricultural product sales.
254. Comparing the effectiveness of different advertising methods in agriculture.
255. The role of market research in agricultural marketing.
256. Investigating the impact of e-commerce on farm sales.
257. The effects of price promotions on consumer behavior in agriculture.
258. Studying the impact of marketing on agricultural exports.
259. The role of storytelling in agricultural marketing.
260. Investigating the effects of consumer trends on agricultural marketing.

## **Sustainable Agriculture**

261. The impact of crop rotation on soil health.
262. Comparing the sustainability of different farming systems.
263. Investigating the role of cover crops in sustainable farming.
264. The effects of organic farming practices on biodiversity.
265. Studying the impact of permaculture on agricultural sustainability.
266. The role of agroecology in sustainable farming.

267. Investigating the effects of reduced tillage on soil health.
268. The impact of integrated pest management on crop yield.
269. Comparing the sustainability of different livestock farming practices.
270. The effects of water conservation techniques on farm productivity.
271. Studying the role of sustainable farming in food security.
272. Investigating the impact of renewable energy on sustainable farming.
273. The effects of sustainable land management practices on biodiversity.
274. Comparing the sustainability of different aquaculture practices.
275. The role of sustainable packaging in reducing waste.
276. Investigating the impact of sustainable farming on climate change.
277. The effects of sustainable crop production on soil fertility.
278. Studying the role of sustainable agriculture in rural development.
279. The impact of sustainable farming practices on water quality.
280. Investigating the effects of sustainable livestock management on environmental health.

## **Agricultural Technology**

281. The impact of drones on crop monitoring.
282. Comparing the efficiency of different precision agriculture technologies.
283. Investigating the role of sensors in soil health monitoring.
284. The effects of automated machinery on farm productivity.
285. Studying the impact of smart irrigation systems on water conservation.
286. The role of data analytics in improving crop yield.
287. Investigating the effectiveness of different farming apps.
288. The impact of GPS technology on farm management.
289. Comparing the effects of different types of farm robots.
290. The role of IoT in modern agriculture.
291. Studying the impact of technology on small-scale farming.
292. Investigating the effects of digital platforms on farm sales.
293. The impact of technology on agricultural labor.
294. Comparing the efficiency of different greenhouse technologies.
295. The role of blockchain in agricultural supply chains.
296. Investigating the impact of artificial intelligence on crop management.
297. The effects of technology on sustainable farming practices.
298. Studying the role of technology in reducing food waste.
299. The impact of mobile technology on agricultural extension services.
300. Investigating the effects of technology on livestock management.