

# Fertilizer Recommendation System for Disease Prediction

## PROBLEM STATEMENT:

Mr. Sanjay is a 60 years old man. He has a own farming land and he is doing Agriculture for past 30 Years , In this 30 Years he Faced a problem in Choosing Fertilizers and Controlling of Plant Disease for improving the production.

- Sanjay wants to know the better recommendation for fertilizers for plants with the disease.
- He has faced huge losses since past 5 years.
- This problem is usually faced by most of the farmers in India.
- Mr. Sanjay needs to know the result immediately to enhance his cultivation in field.

Who does the problem affect?	Persons who do Agriculture in their own field.
What are the boundaries of the problem?	People who Grow Crops are facing Issues of Plant Disease due to improper use of fertilizer
What is the issue?	<p>In agricultural aspects, if the plant is affected by leaf disease, then it reduces the growth and productivity.</p> <p>Generally, the plant diseases are caused by the abnormal physiological functionalities of plants which get affected due to climatic condition, soil erosion etc.</p>

When does the issue occur?	During the development of the crops as they will be affected by various diseases.
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Where does the issue occur?	The issue occurs in agriculture practicing areas, particularly in rural regions due to improper knowledge in cultivation.
Why is it important that we fix the problem?	It is required for the growth of better quality food products.
What solution to solve this issue?	An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant.
What methodology used to solve the issue?	Deep learning techniques are used to identify the diseases and suggest the precautions that can be taken for the diseases.

