

## Says

What have we heard them say? What can we imagine them saying?

> **Modern agriculture is** based heavily in annual monoculture farms. In these farms, each operation is specialized to only grow large amounts of one crop.

These annual crops will only grow for one year and must be torn up and replaced by new ones after each harvest.

Annual plants grow shallower root systems that don't last through the winter. This causes the soil to have lower nutrient capture and increases soil erosion.

Agricultural Crop Production Analysis

## **Thinks**

What are their wants, needs, hopes, and dreams? What other thoughts might influence their behavior?

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Agriculture analysis is a very important aspect to crop growing. To increase quality and yields, it is crucial to understand the current nutrient levels of the soil to be able to ascertain which areas require improvement.

Increasing crop yields is a high priority for growers. Our Fluorescence Spectroscopy instruments can be advantageous to help predict current yield factors and indicate on how to salvage a stressed or poor performing crop.

Agricultural output has been volatile over the past 10 years, with annual growth ranging from **8.6**% in 2010-11, to -0.2% in 2014-15 and 0.8% in 2015-16.

Crops yield of four most cultivated crops in India is collected from FAO data repository. The collected data country, item, year starting from 1990 to 2016 and yield value for these years.

The Indian economy has undergone structural changes over time with the anticipated decline in the share of agriculture in the GDP. Despite a fall in its share from 55.1 per cent in 1950-51 to 17.0 per cent in 2008-09, the importance of agriculture has not diminished for two major reasons.

The Indian agriculture transformed from a food-scarce to food-exporting country primarily due to science led innovations that caused multifold increase in the agricultural production from 135 million tons in 1950/51 to over 1300 million tons in 2020 in spite of increasing abiotic and biotic

The growth rate of agriculture is estimated to be 3.4%. While the contribution of the sector to Gross Value Added (GVA) declined from 18.3% to 17.8% between 2014-15 and 2019-20.

India's agriculture sector has been witnessing robust growth with an average annual growth rate of 4.6 per cent over the last six years.

## **Feels**

What are their fears, frustrations, and anxieties?

What other feelings might influence their behavior?





Does

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See an example

What can we imagine them doing?