
















A white and blue agricultural robot with a robotic arm is positioned in a vineyard. The robot is on a dirt path between rows of grapevines. The background shows a vast vineyard stretching to the horizon under a clear sky.

AGRIROBOT

Agricultural Robot

Soil Type	url	description
Alkaline soil		Alkaline soils have a high pH level and are found in regions affected by irrigation with high salt content water. They can be improved using various management practices.
Alluvial soil		Alluvial soil is the most widespread type found in India, primarily formed by the deposition of silt, clay, and sand carried by rivers. It is highly fertile and suitable for various crops.
Black cotton soil		Also known as Regur soil, it is characterized by its dark color and high clay content. In the Deccan Plateau, it is known for its ability to retain moisture but becomes hard and cracks during dry periods.
Arid soil		Arid soils are found in dry desert regions of India with very low moisture and are often saline, making agriculture challenging without proper irrigation techniques.
Desert soil		As the name suggests, desert soil is found in the arid regions of India. It is sandy and has a low organic content, posing significant challenges for agriculture.
Peaty/Marshy soil		Peaty or marshy soils are rich in organic matter and found in low-lying areas. They are dark in color and can be fertile when drained and properly managed.
Saline soil		Saline soils are characterized by a high concentration of soluble salts. They are commonly found in coastal regions or areas with poor drainage. They are generally unsuitable for most crops.
Red and Yellow soil		These soils are found in regions with moderate to low rainfall. Red soil contains iron oxides and is relatively less fertile, while Yellow soil has a higher clay content and is more fertile.
Mountainous/Forest soil		This type is found in hilly and mountainous regions, often formed from weathered rock. Its composition is based on the parent rock and climate but is generally less fertile and more acidic.

Crop Cultivation	url	description
Cacti		Cacti are typically found in arid and semi-arid regions of India and are well-suited for such conditions.
Cashew		Cashew is a cash crop primarily grown in coastal regions of India and is valued for their culinary and snacking uses.
Cotton		Cotton is a major cash crop cultivated in central and western India and is a key raw material for the textile industry.
Cranberries		Cranberries are grown in some parts of India and are known for their health benefits and culinary uses.
Groundnut		Groundnut, also known as peanut, is a widely cultivated oilseed crop in India, particularly in Gujarat, Andhra Pradesh, and Tamil Nadu.
Salt-tolerant crops		In coastal regions with high salinity, certain plants and crops are specifically chosen and managed to allow cultivation in such environments.
Salt-tolerant plants		In coastal regions with high salinity, certain plants and crops are specifically chosen and managed to allow cultivation in such environments.
Millet		India cultivates various millet varieties such as pearl millet (bajra) and sorghum (jowar). These crops are well-suited for semi-arid regions and provide good nutrition.
Variety of Trees		India is home to a diverse range of trees, including fruit-bearing trees like mango, apple, as well as timber-yielding trees like teak and rosewood.

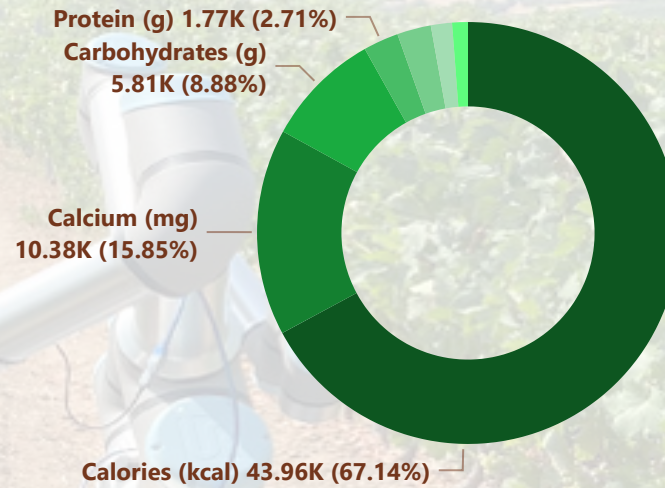
Crop Nutrition

List of Crops

- ☐ Agave
- ☐ Alfalfa
- ☐ Aloe Vera
- ☐ Amaranth
- ☐ Apple
- ☐ Areca Nut
- ☐ Arhar/Tur
- ☐ Atriplex canescens
- ☐ Atriplex hortensis
- ☐ Atriplex nummularia

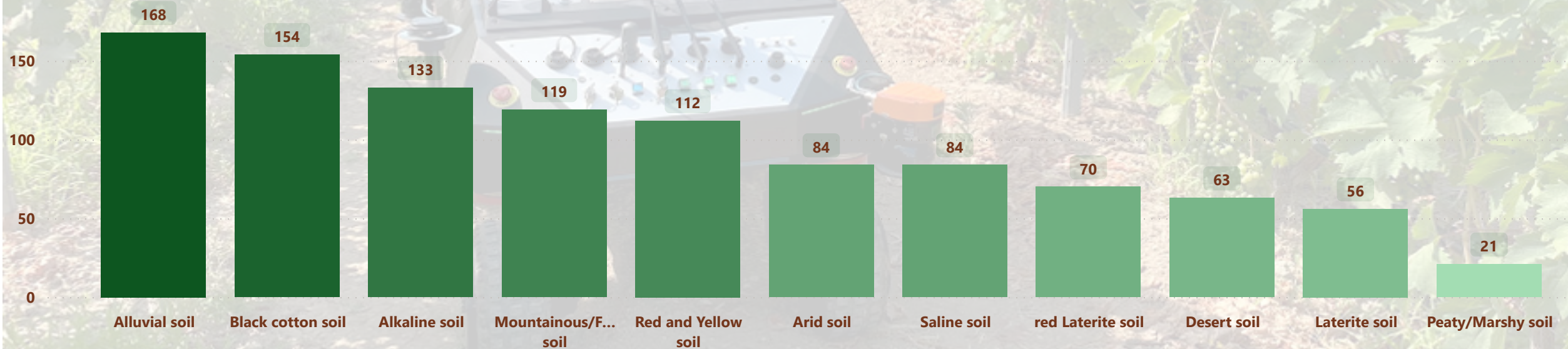
Nutrition

- ☐ Calcium (mg)
- ☐ Calories (kcal)
- ☐ Carbohydrates (g)
- ☐ Fat (g)
- ☐ Fiber (g)
- ☐ Iron (mg)
- ☐ Protein (g)



Number of Crops by soil

Count of Crop 21 168



Calcium (mg)
65.48K

Fertilizer Usage

Soil Types

All

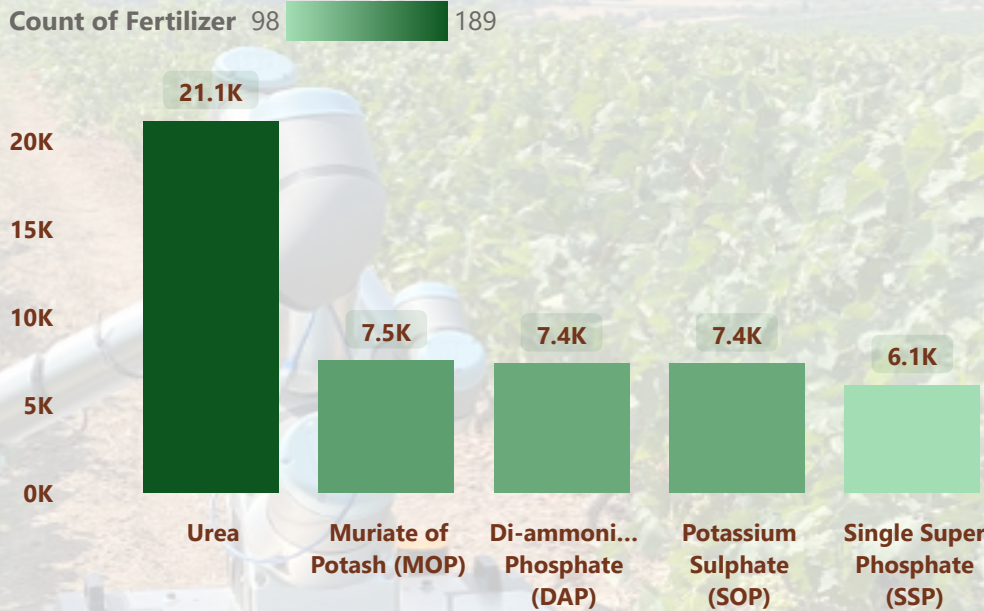
Crops

All

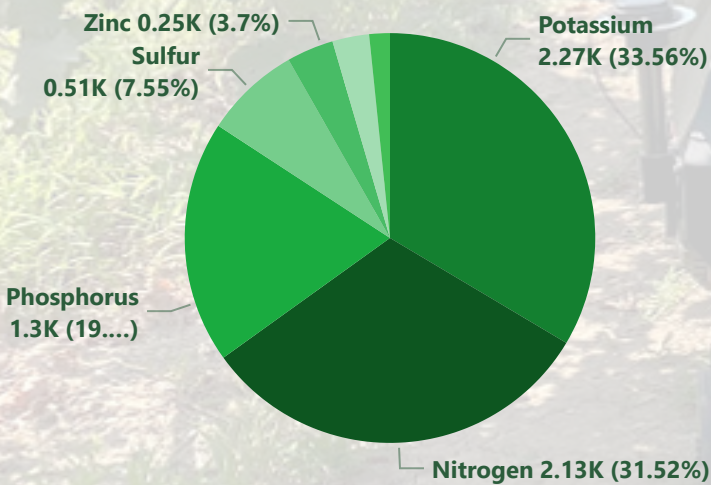
Ammonium Sulfate

2M

- Fertilizer
- ☐ Ammonium Sulfate
 - ☐ Borax
 - ☐ Calcium nitrate
 - ☐ Di-ammonium Phosphate (DAP)
 - ☐ Farmyard Manure
 - ☐ Gypsum
 - ☐ Muriate of Potash (MOP)



Nutrition Composition

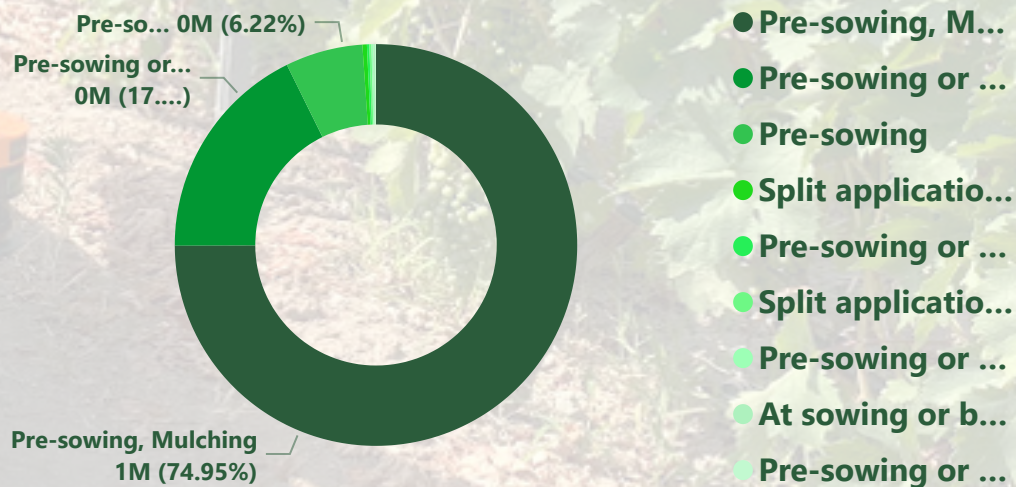


- Potassium
- Nitrogen
- Phosphorus
- Sulfur
- Zinc
- Calcium
- Boron

Unique Crops

32

Best Season for Application



- Pre-sowing, M...
- Pre-sowing or ...
- Pre-sowing
- Split applicatio...
- Pre-sowing or ...
- Split applicatio...
- Pre-sowing or ...
- At sowing or b...
- Pre-sowing or ...

Pesticide Usage

Soil Type

☐ Mountainous soil



Crops



- ☐ Apple
- ☐ Barley
- ☐ Cactus
- ☐ Chilli
- ☐ Coffee
- ☐ Cotton
- ☐ Date Palm
- ☐ Groundnut
- ☐ Maize
- ☐ Millets
- ☐ Oilseeds
- ☐ Orange
- ☐ Pearl Millet
- ☐ Peatland Vegetables
- ☐ Pepper
- ☐ Rice
- ☐ Salt-Tolerant Crops
- ☐ Soybean
- ☐ Sugarcane
- ☐ Tea
- ☐ Tomato
- ☐ Wheat

Trifloxystrobin
1 (50%)

Cypermethrin
1 (50%)

- ☒ Cypermethrin
- ☒ Trifloxystrobin

