



ACID LIME

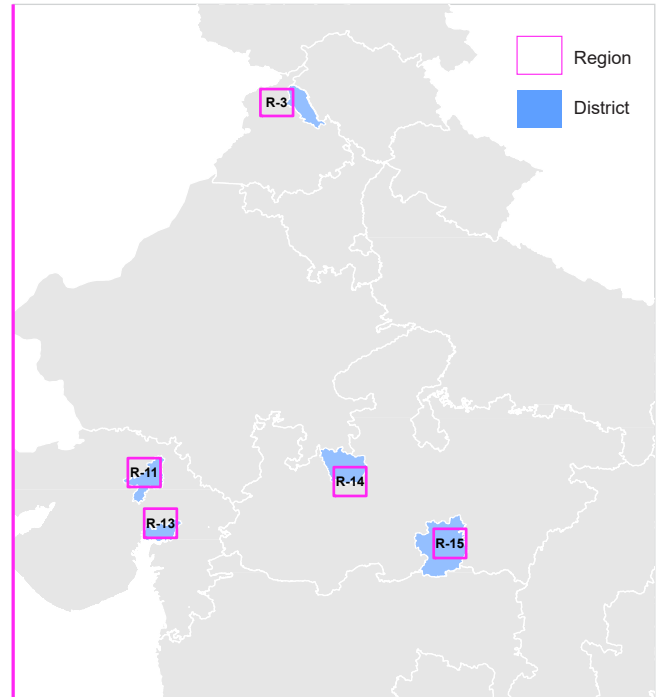


Acid lime is the third-most important species of citrus in India after mandarin and sweet orange. India is one of the largest producers of acid lime. It is a rich source of vitamin C and possesses great medicinal and nutritional value. It is a rich source of vitamin C. Acid Lime is largely used for garnishing and flavoring several vegetarian and non-vegetarian dishes because of its acidic nature. In India, acid lime is mainly cultivated in Gujarat, Andhra Pradesh, Madhya Pradesh, Karnataka, Orissa, Maharashtra, Telangana, and Tamil Nadu. Gujarat ranks first in area and production of acid lime. Major export markets are the Middle East and Europe that majorly include the United Arab Emirates (UAE), the United Kingdom (UK), Afghanistan, Nepal, Qatar, and Kuwait.

Metric Tons (MT)

Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-15	Madhya Pradesh	23,791	23,788	1,665	1,665
R-11	Gujarat	11,773	10,588	1,177	1,059
R-14	Madhya Pradesh	10,769	10,676	1,077	1,068
R-13	Gujarat	5,273	5,237	527	524
R-3	Punjab	1,635	1,626	163	163

Focus Regions



Major varieties grown in different agro-climatic zones of India

Agro-climatic zone	State	Region ID.	Major Districts	Varieties
Gujarat Plains and Hills (GPH)	Gujarat	R-11, R-13	Mahesana, Kheda, Anand	Kagzi lime, Pramalini, PKM, Sai Sarbati, Vikram
Cental Plateau and Hills (CPH)	Madhya Pradesh	R-14, R-15	Rajgarh, Chhindwara	Kagzi lime, Pramalini, PKM, Sai Sarbati, Vikram
Trans Gangetic Plains (TGP)	Punjab	R-3	Amritsar, Hoshiarpur	Kagzi lime



Seasonal Calendar

The seasonal details are depicted in the calendar by their agro-climatic zones

Agro-climatic zone	Region	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
GPH	R-11, R-13														
CPH	R-14, R-15														
TGP	R-3														

Note: GPH Gujarat Plains and Hills, CPH Cental Plateau and Hills, TGP Trans Gangetic Plains
Kharif Kharif, Rabi Rabi, Summer Summer

Sowing Mid season Harvesting



Contract Summary

A brief overview of the commodity traded in the Agriota E-Marketplace.

Lot ID	LOT02AL11
HSN Code	08055000
Commodity	Acid Lime
Variety	Lime- Kagzi lime
Grade	Grade-I (Band-III)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	5.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	0.33 MT
Allowable Lot Variance (-)	0.65 MT
Rights per Lot (No.)	1
Current Lot Size	6.50 MT
Contract Price (Per Unit)	₹ 31,000
Fees	1.00%
Taxes	0.00%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 2,03,515
Logistic Hub Location	Maheshbhai, Nr. R. T.O. Office, Highway Nagalpur, Mehsana, Gujarat 384001



Quality Specifications

Quality by both standard post-harvest parameters and specific biological indicators for better price realisation

No.	Acid Lime	Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
	Tradable parameters	571	572	573	574	575
I	Size in mm (diameter of the equatorial section)	45.01 - 50.00	40.01 - 45.00	35.01 - 40.00	30.01 - 35.00	≤ 30.00
II	Defects % by count :- Scratches scars, scrapes and blemishes (0.5-1 sq. cm. of total surface area)	01.00 - 3.00	01.00 - 3.00	01.00 - 3.00	03.01 - 05.00	05.01 - 07.00



Dynamic Crop Calendar (DCC)

It is a real-time tool that tracks and forecasts stresses and their severity by commodity, variety and phenophase. The DCC helps estimate crop health, yield and risk for individual fields at various temporal and geo-spatial levels. DCC also helps in customised monitoring, alert generation and advisory activities.

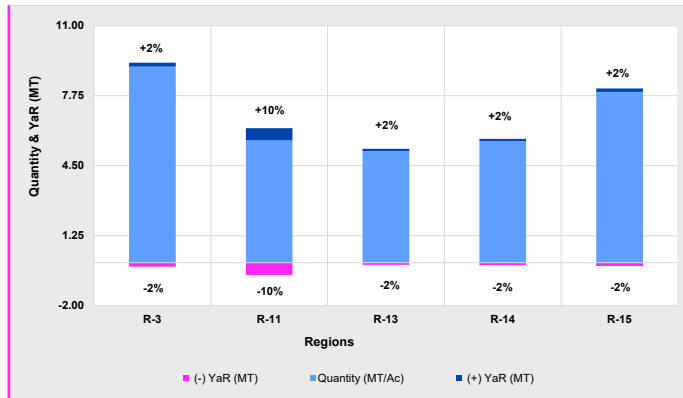
MONTHS	Jan				Feb				Mar				Apr				May				Jun				Jul				Aug				Sep				Oct			
WEEK	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
STAGES	New Flush				Flowering				Fruit Setting				Fruit Development				Colour Breaking				Fruit Maturity																			
BIOTIC STRESS													Disease : CG, CC, AT, PM																											
													Insect Pest : CP, LM, LB, WF, BF																											
ABIOTIC STRESS													Low Temperature 5°C-15°C																											
													High Temperature 35°C																											

Note: CG Citrus Greening, CC Citrus Canker, AT Anthracnose, PM Powdery Mildew, CP Citrus Psylla, LM Leaf Minor, LB Lemon Butterfly, WF White Fly, BF Black Fly



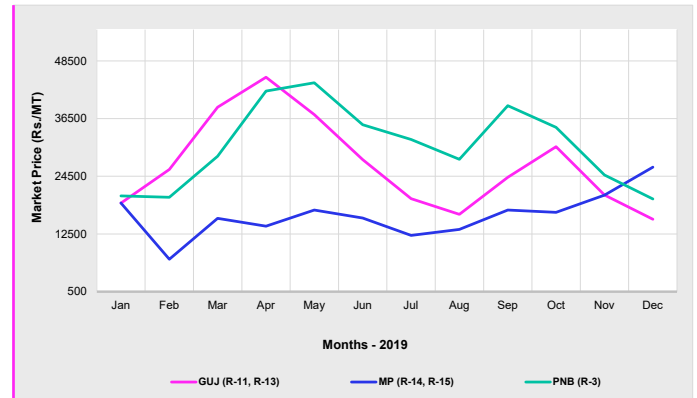
Yield at Risk (YaR) - Stability

The fluctuation/risk in yield or productivity varies from region to region. The region-wise variation on the yield is depicted in the graph below.



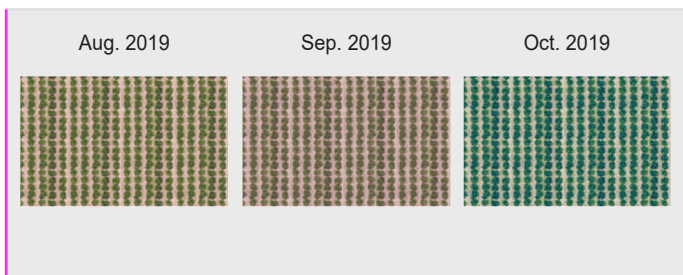
Price Volatility

The monthly fluctuations in price for different benchmark markets are shown below.



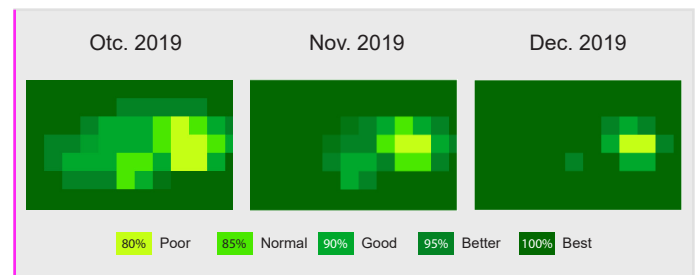
Aerial Photo

Aerial photo provides the visual representation of a the field periodically.



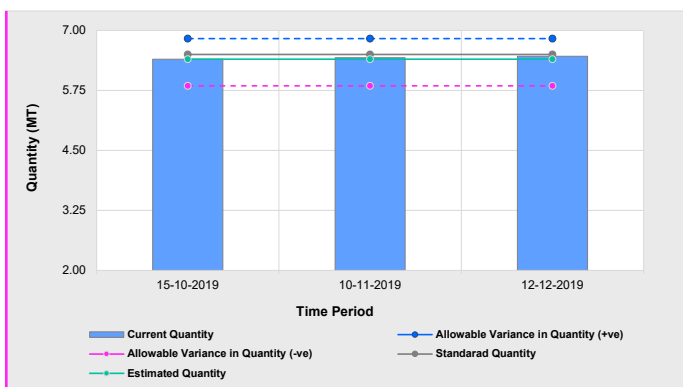
Multispectral Yield Analysis

Tool that provides a Normalised Differential Vegetation Index (NDVI) analysis of individual fields to ground-truth indices. It is standardised across time periods for quick visual interpretation.



Ground-Truth Risk Report

Real-time estimation of yield and its threshold at various stages of crop growth, based on field monitoring of plant health and detection of stress.



Multispectral Analysis

Normalised Differential Vegetation Index (NDVI) comparison of field versus regional indices across commodity, variety and phenophase.

