



POMEGRANATE

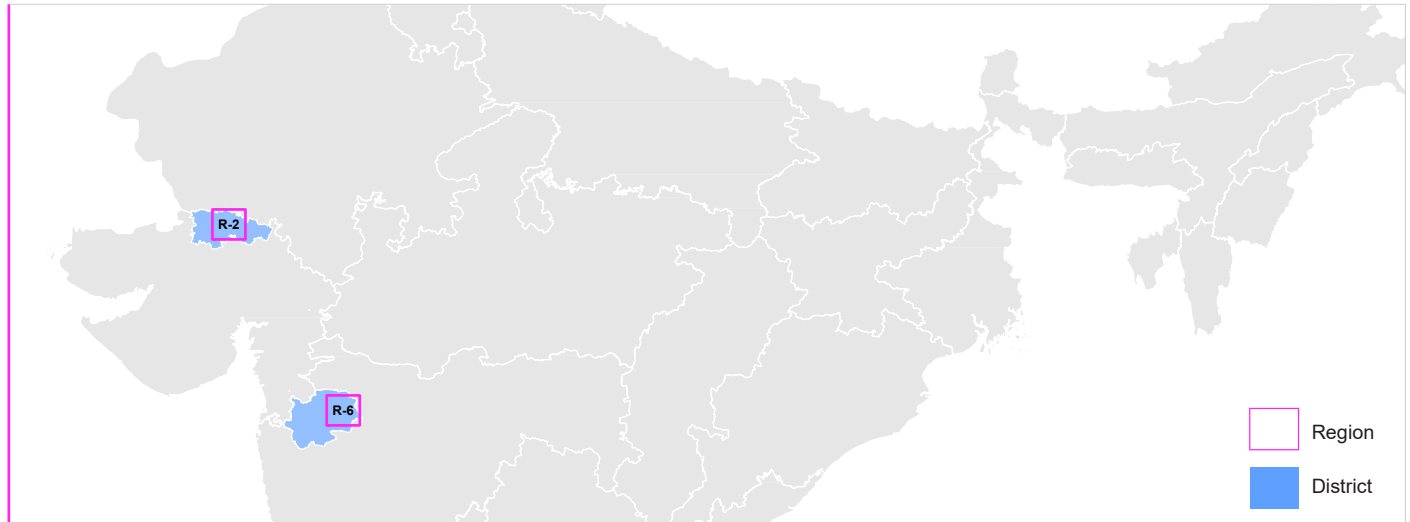


India is one of the largest producers of pomegranate in the world, followed by Iran. In India, Maharashtra is the major pomegranate-producing state, accounting for 70.2% of the total production followed by Karnataka, Andhra Pradesh, Gujarat, and Tamil Nadu. It has a great export market and processing potential. The major export markets are the United Arab Emirates (UAE), Netherlands, the United Kingdom (UK), Belgium, and Saudi Arabia.

Metric Tons (MT)

Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-6	Maharashtra	1,84,812	1,84,087	7,392	7,363
R-2	Gujarat	47,957	40,055	4,796	4,005

Focus Regions



Major varieties grown in different agro-climatic zones of India

Agro-climatic zone	State	Region ID.	Major Districts	Varieties
Western Plateau & Hills (WPH)	Maharashtra	R-6	Nashik	Bhagva, Arakta, Mridula, Ganesh, Ruby, Spanish Ruby, Solapur Lal
Gujarat Plains and Hills (GPH)	Gujarat	R-2	Banaskantha	Bhagva, Arakta, Dholka, Mridula, Ganesh, Ruby, Spanish Ruby, Solapur Lal



Seasonal Calendar

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

Agro-climatic zone	Region	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July
WPH	R-6															
GPH	R-2															

Note: WPH Western Plateau & Hills, GPH Gujarat Plains and Hills
Kharif Mrig Bahar, Rabi Hasta Bahar, Summer Ambia Bahar

■ Sowing ■ Mid season ■ Harvesting



Contract Summary

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

Lot ID	LOT03PO08
HSN Code	08109010
Commodity	Pomegranate
Variety	Bhagva
Grade	Grade-I (Band-II)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	6.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	0.62 MT
Allowable Lot Variance (-)	1.24 MT
Rights per Lot (No.)	1
Current Lot Size	7.50 MT
Contract Price (Per Unit)	₹ 68,500
Fees	1.00%
Taxes	0.00%
Packaging Size (Per Box)	20 Kg
Contract Value	₹ 5,18,888
Logistic Hub Location	Shraddha Warehouse, Jaulke, Nashik, Maharashtra 422207



Quality Specifications

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

Pomegranate		Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
No.	Tradable parameters	541	542	543	544	545
I	Size (mm)	80.01 - 90.00	70.01 - 80.00	60.01 - 70.00	50.01 - 60.00	≤ 50.00
II	Defects:- (% by count) Slight bruising (2-5sq. cm. of total surface area)	01.00 - 02.00	01.00 - 02.00	01.00 - 02.00	02.01 - 05.00	05.01 - 10.00



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.

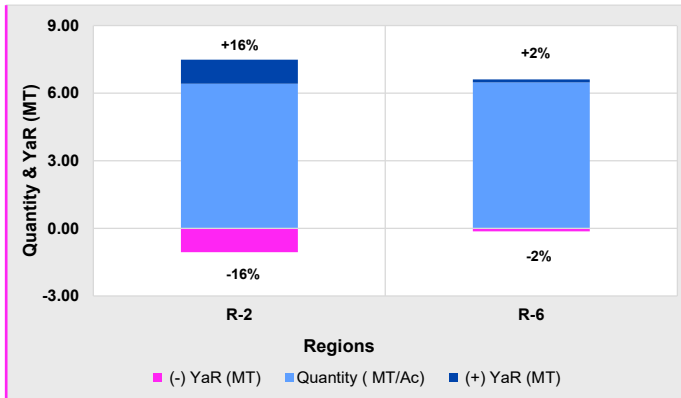
MONTHS	Aug				Sep				Oct				Nov				Dec				Jan				Feb				Mar				Apr			
WEEK	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
STAGES	New Flush				Flowering				Fruit Setting				Fruit Development				Colour Breaking				Fruit Maturity															
BIOLOGICAL STRESS																																				
ABIOTIC STRESS																																				

Note: BB Bacterial Blight, AT Anthracnose, CLFS Cercospora Leaf & Fruit Spot, TH Thrips, WF White Fly, AP Aphids, SB Stem Borer, SHB Shot Hole Borer, BEC Bark Eating Caterpillar



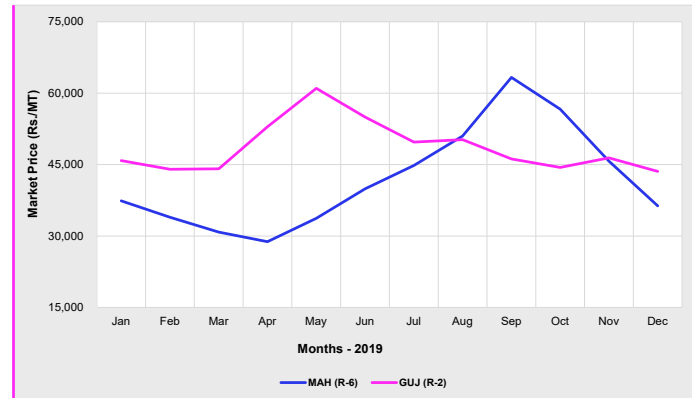
Yield at Risk (YaR) - Stability

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.



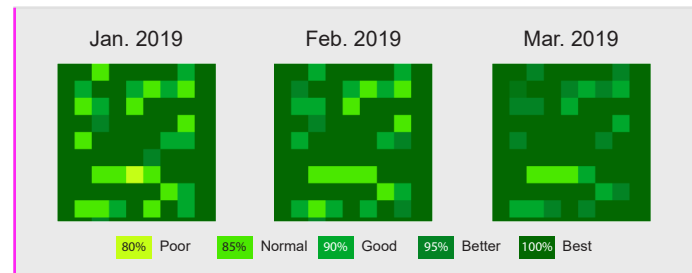
Aerial Photo

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



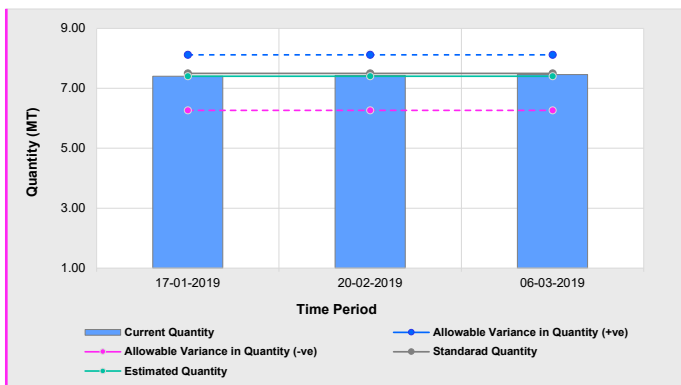
Multispectral Yield Analysis

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.

