



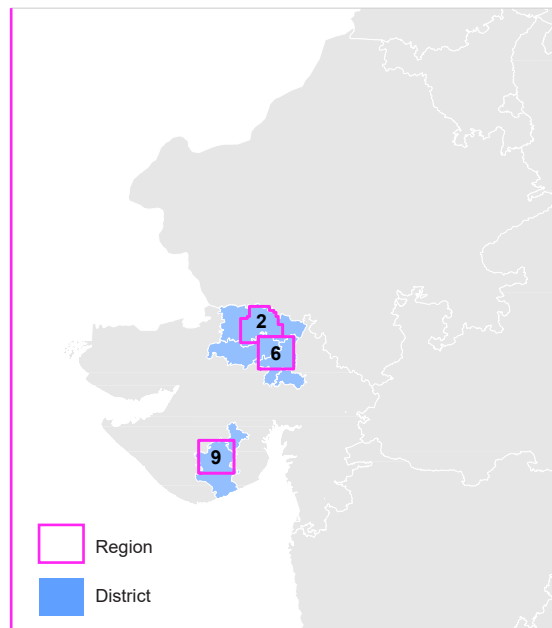
GROUNDNUT



Groundnut is one of the most important food and oilseed crops cultivated and consumed in most parts of the world. Globally, India is the second-largest groundnut producing country. Major groundnut producing states include Gujarat, Andhra Pradesh, Tamil Nadu, Karnataka, Maharashtra, Rajasthan, Madhya Pradesh, Orissa, and Uttar Pradesh. Gujarat has the largest production, accounting for 40% of the total groundnut produced in the country. India is also one of the largest exporters of groundnut. Indonesia, Philippines, Vietnam, Malaysia and Thailand are the major export destinations.

Metric Tons (MT)					
Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-2	Gujarat	1,68,988	1,41,867	12,259	10,360
R-9	Gujarat	43,200	36,782	4,320	3,678
R-6	Gujarat	31,574	29,434	3,157	2,943

Focus Regions



Major varieties grown in different agro-climatic zones of India

Agro-climatic zone	State	Region ID.	Major Districts	Varieties
Gujarat Plains & Hills (GPH)	Gujarat	R-2, R-6, R-9	Banas Kantha, Gandhinagar, Mahesana, Patan, Amreli, Botad	GG-2, GG-20, GJG-17, GJG-22, GJG-32, GJG-HPS-1, Kadiri Harithandhra (K-1319), TAG-24, TG-37 A, TLG-45, TPG-41



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
GPH	R-2, R-6, R-9			Kharif										
											Summer			

■ Sowing ■ Mid season ■ Harvesting



Contract Summary

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

Lot ID	LOT20GN08
HSN Code	12024110
Commodity	Groundnut
Variety	GG-2
Grade	Grade-II (Band-II)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	10.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	2.00 MT
Allowable Lot Variance (-)	1.00 MT
Rights per Lot (No.)	2
Current Lot Size	9.50 MT
Contract Price (Per Unit)	₹ 54,200
Fees	1.00%
Taxes	0.00%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 5,20,049
Logistic Hub Location	Kunvarji Warehousing & Logistics PVT. LTD - Deesa, Gujarat- 385535



Quality Specifications

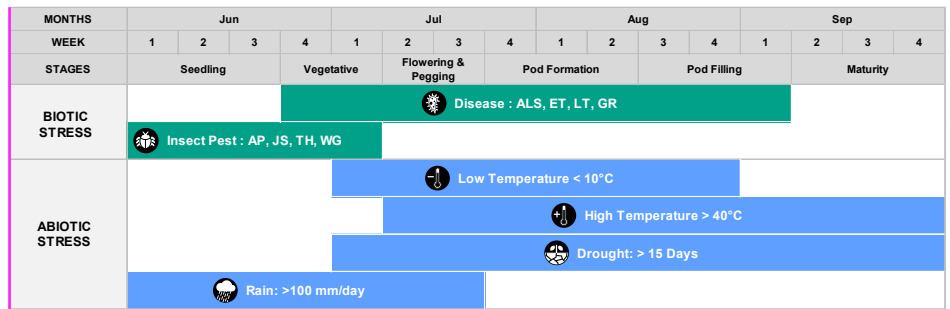
Quality by both standard post-harvest parameters and specific biological indicators for better price realisation

Groundnut		Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
No.	Tradable parameters	351	352	353	354	355
I	Moisture (% by wt)	01.00 - 07.00	07.01 - 08.00	08.01 - 09.00	09.01 - 11.00	11.01 - 12.00
II	Foreign matter (% by wt)	00.01 - 01.00	00.01 - 01.00	00.01 - 01.00	01.01 - 02.00	02.01 - 03.00
III	Damaged pods (% by wt)	01.00 - 02.00	01.00 - 02.00	01.00 - 02.00	02.01 - 03.00	03.01 - 05.00
IV	Pods of other varieties (% by wt)	01.00 - 03.00	01.00 - 03.00	01.00 - 03.00	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 wise. The DCC helps to 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.

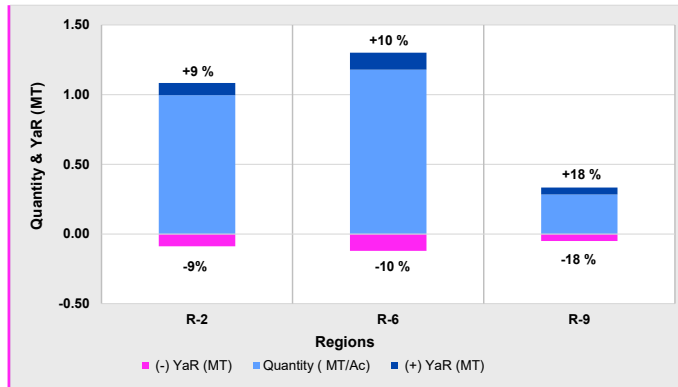


Note: ALS Alteria Leaf Spot, ET Early Tikka, LT Late Tikka, GR Groundnut Rust, AP Aphids, JS Jassids, TH Thrips, WG White Grubs, RH Relative Humidity



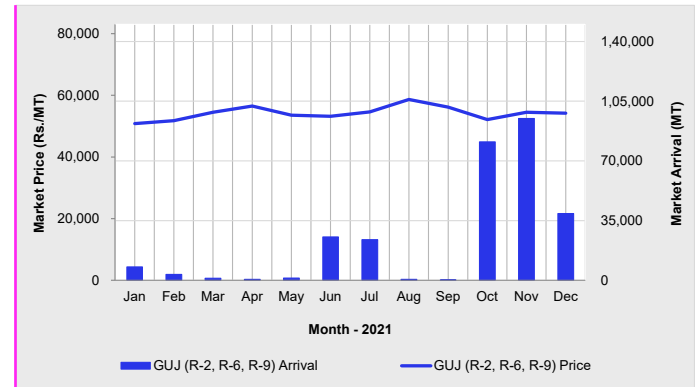
Yield at Risk (YaR) - Stability

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.



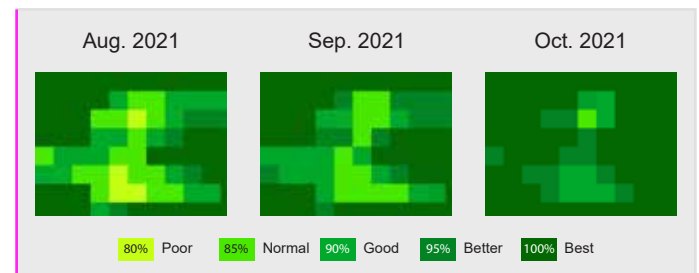
Aerial Photo

Aerial photo provides the visual representation of the field periodically.



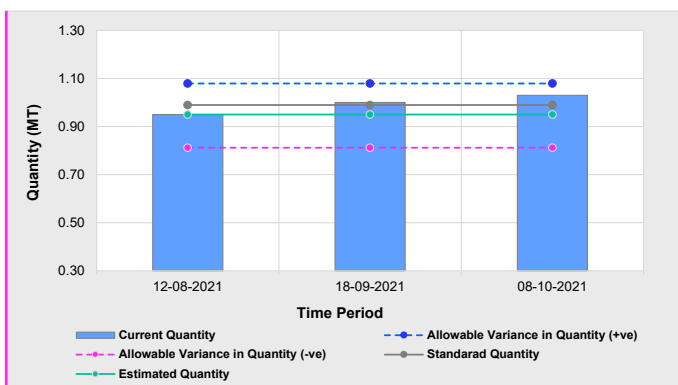
Multispectral Yield Analysis

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.

