



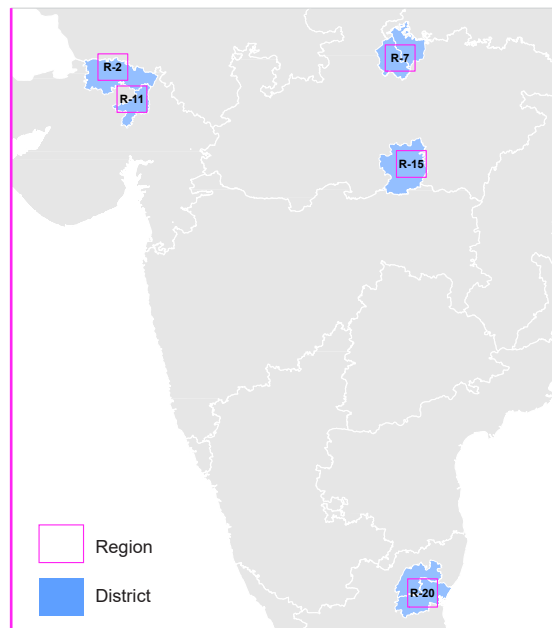
GROUNDNUT



Focus Regions

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-20	Tamil Nadu	1,89,558	1,76,831	11,374	10,610
R-2	Gujarat	1,27,013	1,16,143	11,431	10,453
R-11	Gujarat	32,196	30,063	3,220	3,006
R-15	Madhya Pradesh	18,782	15,979	1,878	1,598
R-7	Madhya Pradesh, Uttar Pradesh	11,537	10,296	1,154	1,030



Major varieties grown in different agro-climatic zones of India

Agro-climatic zone	State	Region ID.	Major Districts	Varieties
Southern Plateau & Hills (SPH)	Tamil Nadu	R-20	Tiruvannamalai, Villupuram	TPG 41, TG 37 A, Vikas (GPBD 4), Prutha (Dh 86), Co (GN) 5, TMV (Gn) 13, GG 16 (JSP 39), AK 265, Ajeva (R 2001-3), ICGV 00348
Gujarat Plains & Hills (GPH)	Gujarat	R-2, R-11	Banaskantha, Mahesana	GG (2, 20, 17, 22, 32), GJG HPS-1, Kadiari Harithandhra (K-1319), TAG 24, TG 37 A, TLG 45, TPG 41
Central Plateau and Hills (CPH)	Madhya Pradesh	R-15	Chhindwara	AK 159, GPBD-5, GJG-HPS-I, GIRNAR-3, VI Moongphali, ICHG-00440 (Mallika), VRI(Gn)-7, Greeshma, GG-21 (JSSP-15), CSMG-9510 (Utkarsh), Jawahar groundnut-23, AK-303, TGLPS-3 (TDG-39)
	Madhya Pradesh, Uttar Pradesh	R-7	Tikamgarh, Lalitpur	AK 159, GPBD-5, GJG-HPS-I, GIRNAR-3, VI Moongphali, ICHG-00440 (Mallika), VRI(Gn)-7, Greeshma, GG-21 (JSSP-15), CSMG-9510 (Utkarsh), Jawahar groundnut-23, AK-303, TGLPS-3 (TDG-39), HNG 69, Divya, HNG-123, Raj Mungfali 3, HNG 10, GPBD-5, GJG-HPS-I (JSP-HPS-44) GIRNAR-3 (PBS-12160)



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
SPH	R-20												
GPH	R-2, R-11												
CPH	R-15												
	R-7												

Note: SPH Southern Plateau & Hills, GPH Gujarat Plains & Hills, CPH Central Plateau and Hills

■ 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	4.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	0.16 MT
Allowable Lot Variance (-)	0.31 MT
Rights per Lot (No.)	2
Current Lot Size	5.00 MT
Contract Price (Per Unit)	₹ 50,900
Fees	1.00%
Taxes	0.00%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 2,57,045
Logistic Hub Location	Kaveri Warehouse, Iyanthoppu, Saram, Tindivanam, Viluppuram, Tamil Nadu 604001



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. 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.

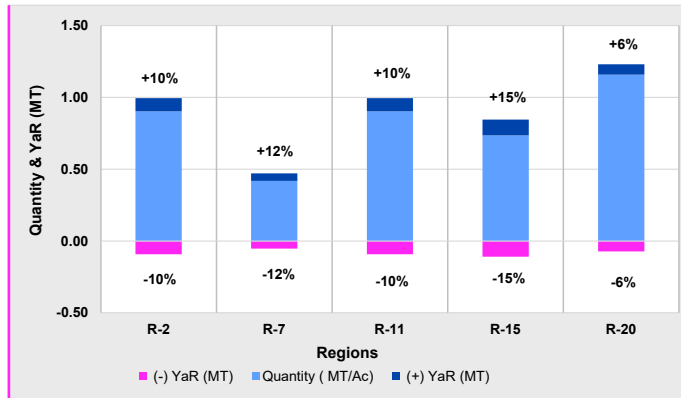
MONTHS	Jun				Jul				Aug				Sep			
WEEK	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
STAGES	Seedling				Vegetative				Flowering & Pegging				Pod Formation			
BIOTIC STRESS					Insect Pest : AP, JS, TH, WG				Disease : ALS, ET, LT, GR							
ABIOTIC STRESS					Low Temperature $\geq 18^{\circ}\text{C}$				High Temperature $\leq 35^{\circ}\text{C}$				Bright Sun Shine hrs ≤ 7.5 hrs			
					High RH $\leq 98\%$											

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



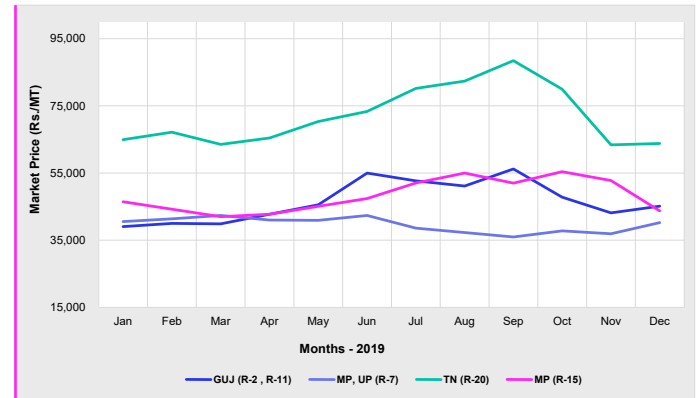
Yield at Risk (YaR) - Stability

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.



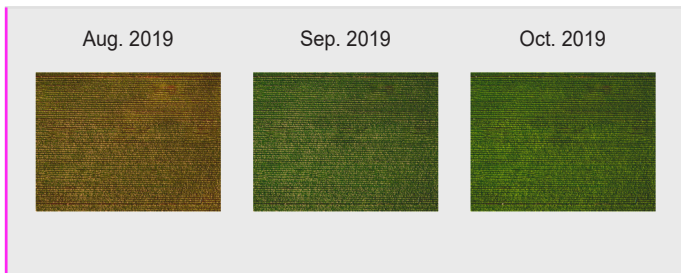
Price Volatility

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



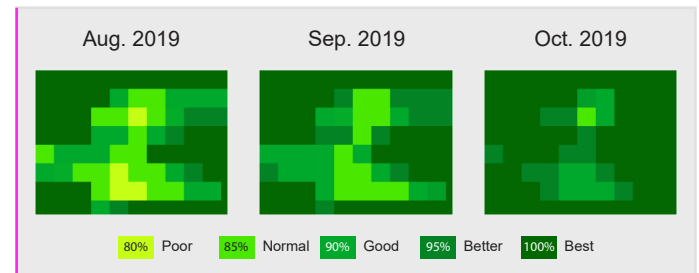
Aerial Photo

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



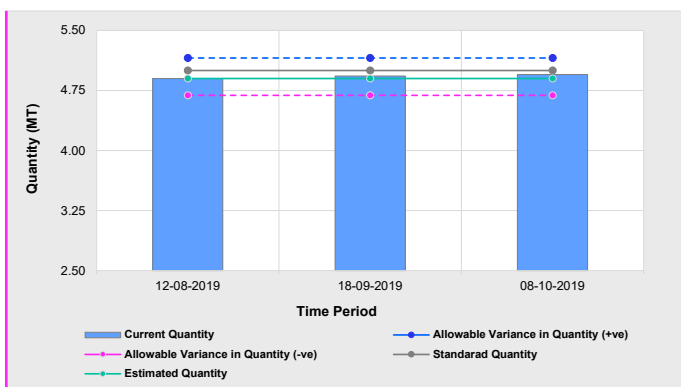
Multispectral Yield Analysis

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.

