



DRY CHILI

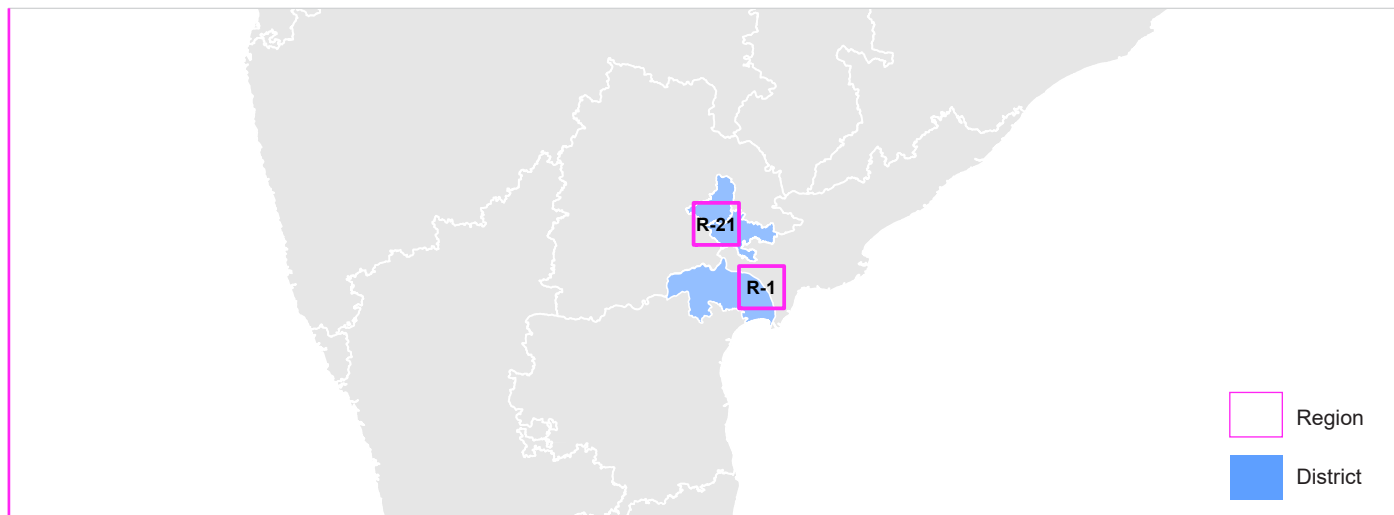


Dry Chili is one of the most important commercial spice crops worldwide. India is one of the largest producers and consumers of chili in the world. Indian chilies are known for their pungency and color. Andhra Pradesh is the major chili-producing state in India, followed by Maharashtra, Karnataka, Orissa, and Madhya Pradesh. Major export markets include Malaysia, Sri Lanka, Pakistan, Indonesia, the United States (USA), Bangladesh, the United Arab Emirates (UAE), China, Thailand, Mexico, United Kingdom, Saudi Arabia, Singapore, and Germany.

Metric Tons (MT)

Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-21	Telangana	82,501	78,433	5,775	5,490
R-1	Andhra Pradesh	60,317	52,132	6,032	5,213

Focus Regions



Major varieties grown in different agro-climatic zones of India

Agro-climatic zone	State	Region ID.	Major Districts	Varieties
Southern Plateau & Hills (SPH)	Telangana	R-21	Mahabubabad, Khammam	273 Wrinkle, Aparna (LCA 1068), CA-960 (Sindhur), G-4 (Bhagyalakshmi), G-5 (Andhra Jyothi), Guntur Sannam, Indam-5, Indam-67, Indu, LCA-206 (Prakash), NRI CH 17, Ravi Teja, Wonder Hot.
East coast Plains and Hills (EPH)	Andhra Pradesh	R-1	Guntur	



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
SPH	R-21			Kharif					
EPH	R-1				Kharif				

Note: SPH Southern Plateau & Hills, EPH Eastern Plateau and Hills

■ Sowing ■ Mid season ■ Harvesting



Contract Summary

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

Lot ID	LOT07DC08
HSN Code	09042110
Commodity	Dry Chilli
Variety	G-5 (Andhra Jyoti)
Grade	Grade-II (Band-II)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	1.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	0.07 MT
Allowable Lot Variance (-)	0.14 MT
Rights per Lot (No.)	1
Current Lot Size	2.00 MT
Contract Price (Per Unit)	₹ 96,400
Fees	1.00%
Taxes	0.00%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 1,94,728
Logistic Hub Location	Sri Venteshwara Warehouse, 18-15/13, Warangal Road, Muthagudem, Khammam, Telangana 507163



Quality Specifications

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

Dry Chilli		Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
No.	Tradable parameters	451	452	453	454	455
I	Moisture (% by wt)	01.00 - 09.00	09.01 - 10.00	10.01 - 11.00	11.01 - 12.00	12.01 - 13.00
II	Foreign matter (% by wt)	00.01 - 01.00	00.01 - 01.00	00.01 - 01.00	01.01 - 01.50	01.51 - 02.00
III	Broken/Damaged/Discoloured (% by wt)	01.00 - 04.00	01.00 - 04.00	01.00 - 04.00	04.01 - 05.00	05.01 - 06.00
Biochemical Parameters						
I	Capsaicin content (% by wt)	01.01 - 01.30	00.71 - 01.00	00.51 - 00.70	00.21 - 00.50	00.10 - 00.20



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.

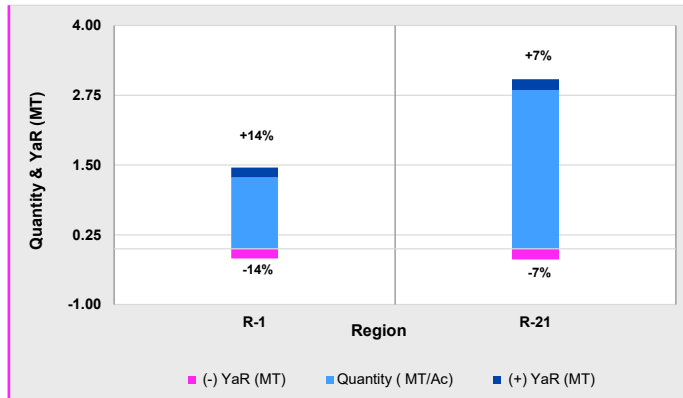
MONTHS	Jun				Jul				Aug				Sep				Oct				Nov			
WEEK	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
STAGES	Seedling				Vegetative				Flowering				Fruit Development				Maturity				Harvesting			
BIOTIC STRESS					Disease : BW, CLS, PM, AN																			
					Insect Pest : AP, TH, YM, FB																			
ABIOTIC STRESS					Low Temperature $\geq 13^{\circ}\text{C}$								High Temperature $\leq 35^{\circ}\text{C}$											
									Bright Sun Shine hrs ≤ 12 hrs															

Note: BW Bacterial Wilt, CLS Cercospora Leaf Spot, PM Powdery Mildew, AN Anthracnose, AP Aphids, TH Thrips, YM Yellow Mites, FB Fruit Borer



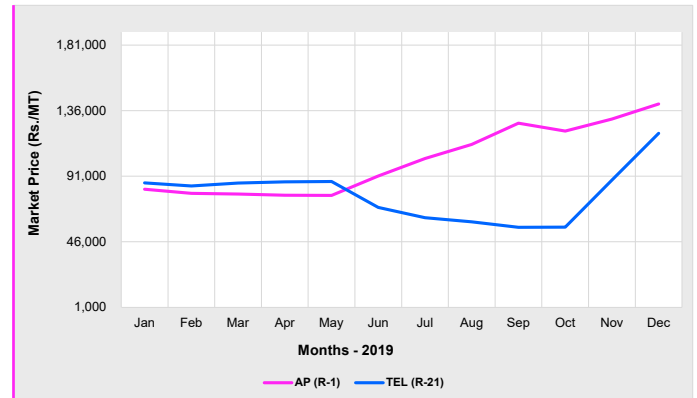
Yield at Risk (YaR) - Stability

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.



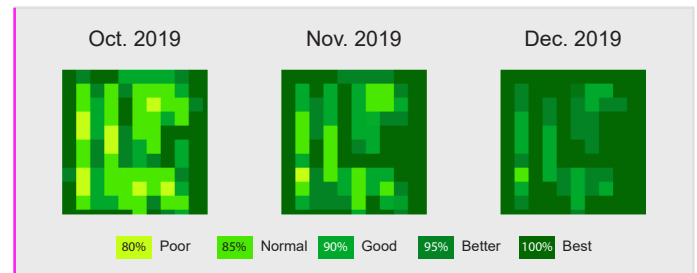
Aerial Photo

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



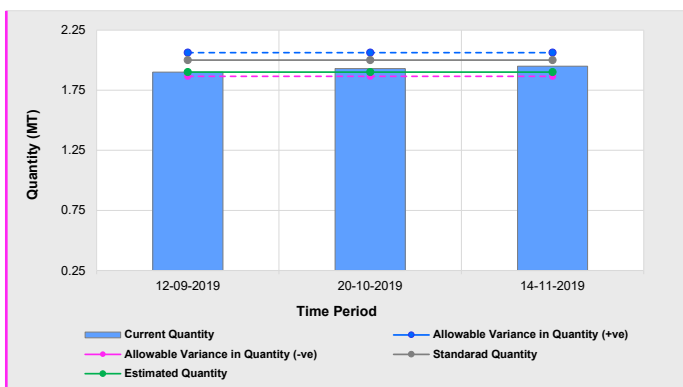
Multispectral Yield Analysis

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.

