

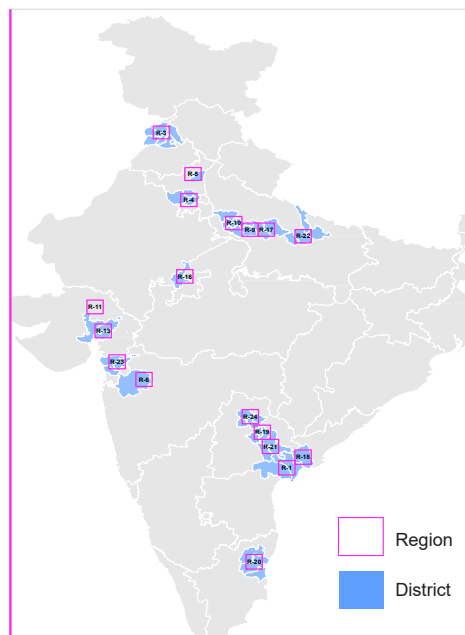
PADDY



Focus Regions

Paddy is the most important human food crop in the world, directly feeding more people than any other crop. In India, it occupies a special status due to its high demand in national & international markets. Major paddy-producing states include West Bengal, Bihar, eastern Uttar Pradesh, eastern Madhya Pradesh, northern Andhra Pradesh, and Odisha. The major export markets are Iran, Saudi Arabia, Iraq, the United Arab Emirates (UAE), Kuwait, Yemen Republic, the United States of America (USA), and the United Kingdom (UK).

Metric Tons (MT)					
Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-18	Andhra Pradesh	17,44,200	16,58,399	34,884	33,168
R-1	Andhra Pradesh	8,79,118	8,21,924	26,374	24,658
R-3	Punjab	8,03,254	7,71,411	16,065	15,428
R-24	Telangana	4,59,069	4,35,571	32,135	30,490
R-13	Gujarat	4,13,624	4,06,749	28,954	28,472
R-21	Telangana	3,79,103	3,70,741	30,328	29,659
R-22	Uttar Pradesh	3,35,775	3,27,547	20,147	19,653
R-19	Telangana	3,21,987	3,07,742	28,979	27,697
R-20	Tamil Nadu	2,85,781	2,64,084	28,578	26,408
R-23	Gujarat	1,94,678	1,87,276	19,468	18,728
R-9	Uttar Pradesh	1,44,205	1,33,995	14,420	13,399
R-17	Uttar Pradesh	1,15,486	1,11,751	11,549	11,175
R-5	Haryana	1,00,220	99,227	9,020	8,930
R-10	Uttar Pradesh	83,496	79,515	8,350	7,951
R-6	Maharashtra	45,195	37,963	4,519	3,796
R-4	Haryana	28,934	27,451	2,893	2,745
R-16	Rajasthan	28,071	26,161	2,807	2,616



Major varieties grown in different agro-climatic zones of India

Agro-climatic zone	State	Region ID.	Major Districts	Varieties
Trans-Gangetic Plains (TGP)	Punjab	R-3	Amritsar, Gurdaspur, Hoshiarpur, Jalandhar, Kapurthala, Tam Taran	37P22, CR Dhan 205, PR-121, PR-122, PR-123, PR-124, PR-126, PR-127, Punjab Mehak 1, Pusa 1592, VNR 2375 PLUS
	Haryana	R-4	Bhiwani, Jhajjar, Rohtak	37P22, NPH 2006 Kohinoor, Pusa 1592, SBH 999 Subeej Sugandh
		R-5	Karnal	
Upper Gangetic Plains (UGP)	Uttar Pradesh	R-9	Etah, Mainpuri	27P31, Arize 6444 Gold, CR Dhan 309, CR Dhan 310, CR Dhan 500, CR Sugandh Dhan 908, CR Sugandh Dhan 909, PAC 801, Pant sugandh Dhan-21, CR Dhan 801 (Phalguni), SBH 999 Subeej Sugandh
		R-10	Aligarh, Etah, Firozabad, Hathras	
		R-17	Farrukhabad, Hardoi, Kannauj	
		R-22	Bahraich, Barabanki, Gonda, Lucknow	
Western Plateau and Hills (WPH)	Maharashtra	R-6	Nashik	Ambika, Panvel-1, IGP-1-37 (Darana), SKL-6, Prabhavati (PBN-1), SYE-75 (Sindewahi), Ratnagiri-68-1, Ratnagiri-73-1
East Coast Plains & Hills (ECPH)	Andhra Pradesh	R-1	Guntur, Krishna	27P61, Arize Tej, CR Dhan 506, CR Sugandh Dhan 907, DRR Dhan 42, DRR Dhan 45, Kanak, Karishma (NPH 8899), CR Dhan 801 (Phalguni), RH- 1531
	Tamil Nadu	R-20	Cuddalore, Tiruvannamalai, Villupuram	ADT 49, ADTRH 1, Arize Tej, BPT 5204, CORH 4, DRR Dhan 40, IR 64, MDU 5, Ponmani (CR 1009), White ponni
Gujarat Plains and Hills (GPH)	Gujarat	R-13	Ahmadabad, Anand, Kheda	NPH 2003 Deva, Gujarat Anand Rice-2, Arize Tej, 27P61, JKRH 3333, Sujala, CR Dhan 300, CR Dhan 205, CR Dhan 701, CR Sugandh Dhan 907
		R-23	Navsari, Surat, Tapi	
Southern Plateau & Hills (SPH)	Telangana	R-19	Karimnagar, Warangal, Jangoan, Warangal Urban	27P61, Arize Tej, CR Dhan 506, CR Sugandh Dhan 907, DRR Dhan 42, DRR Dhan 45, Kanak, NK 16520, CR Dhan 801 (Phalguni), RH- 1531
		R-21	Khammam, Suryapet, Mahabubabad	
		R-24	Karimnagar, Jagtial, Peddapalli, Rajanna	



Seasonal Calendar

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

Agro-Climatic Zone	Region	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
TGP	R-3															
	R-4															
UGP	R-9															
	R-10, R-17, R-22															
WPH	R-6															
	R-1, R-18															
ECPH	R-20															
	R-13, R-23															
SPH	R-19, R-21, R-24															
	R-19, R-21, R-24															

Note: TGP Trans-Gangetic Plain, UGP Upper Gangetic Plain, GPH Gujarat Plains and Hills, WPH Western Plateau and Hills, ECPH East Coast Plains & Hills, SPH Southern Plateau & Hills

■ Sowing ■ Mid season ■ Harvesting



Contract Summary

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

Lot ID	LOT45PC10
HSN Code	10061090
Commodity	Paddy Common
Variety	CR Sugandh Dhan 909
Grade	Grade-2 (Band-I)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	15.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	0.23 MT
Allowable Lot Variance (-)	0.46 MT
Rights per Lot (No.)	4
Current Lot Size	16.50 MT
Contract Price (Per Unit)	₹ 18,150
Fees	0.02%
Taxes	2.50%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 2,99,535
Logistic Hub Location	Sri Gurunanak Warehouse, 9/10 Km, Aligarh Delhi G.T. Road, Opp Tata Kendra Village Bhartari Aligarh, Aligarh, Uttar Pradesh 202001



Quality Specifications

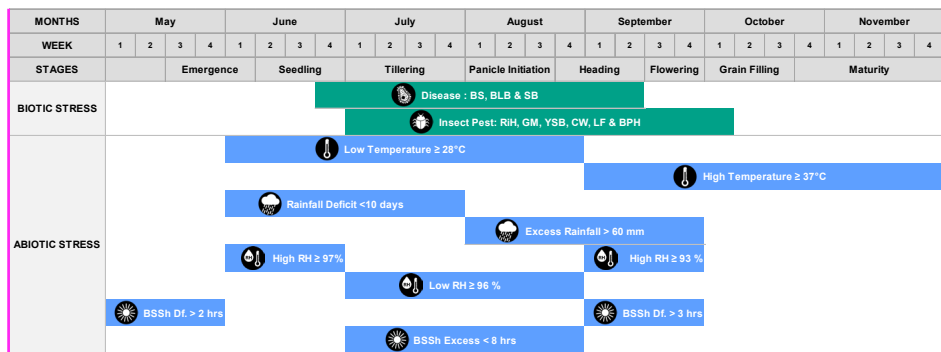
Quality by both standard post-harvest parameters and specific biological indicators for better price realisation

Paddy		Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
No.	Tradable Parameter	231	232	233	234	235
I	Moisture (% by wt)	01.00 - 15.00	15.01 - 16.00	16.01 - 17.00	17.01 - 18.00	18.01 - 20.00
II	Admixture (% by wt)	01.00 - 05.00	01.00 - 05.00	05.01 - 10.00	10.01 - 15.00	15.01 - 20.00
III	Immature & Shriveled grains (% by wt)	01.00 - 03.00	01.00 - 03.00	01.00 - 03.00	03.01 - 05.00	05.01 - 07.00
IV	Foreign matter (% by wt)	01.00 - 02.00	01.00 - 02.00	01.00 - 02.00	02.01 - 04.00	04.01 - 06.00
V	Damaged/Discoloured grains & Weevilled Grains (% by wt)	01.00 - 04.00	01.00 - 04.00	01.00 - 04.00	04.01 - 06.00	06.01 - 08.00



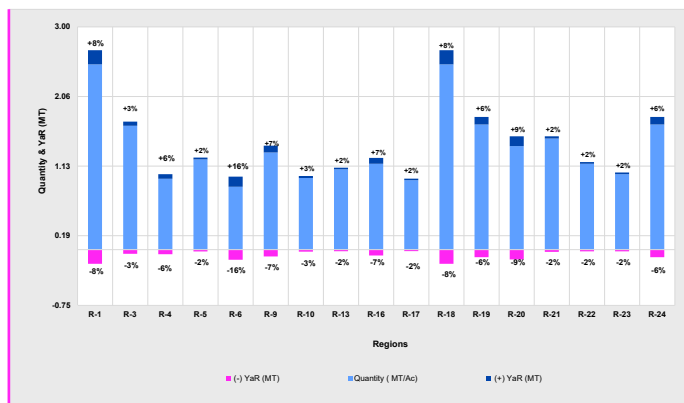
Dynamic Crop Calendar (DCC)

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.



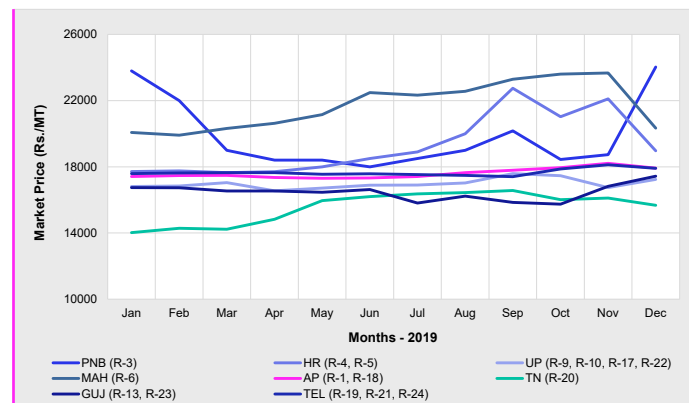
Yield at Risk (YaR) - Stability

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.



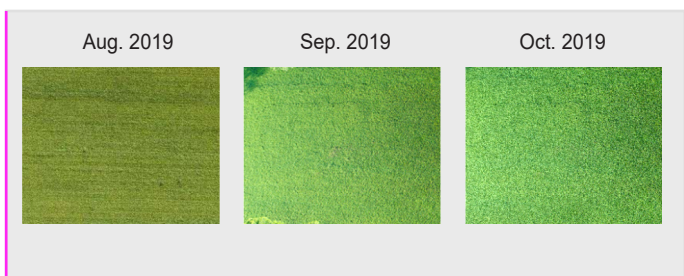
Price Volatility

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



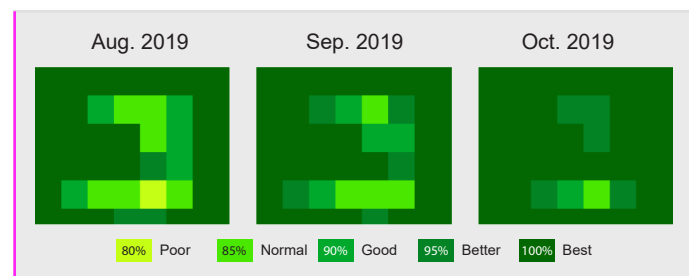
Aerial Photo

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



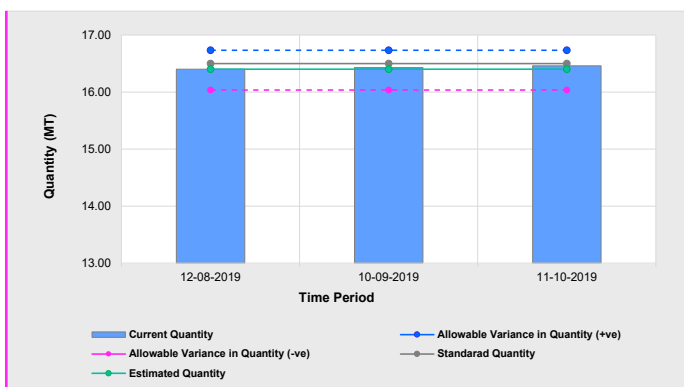
Multispectral Yield Analysis

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.

