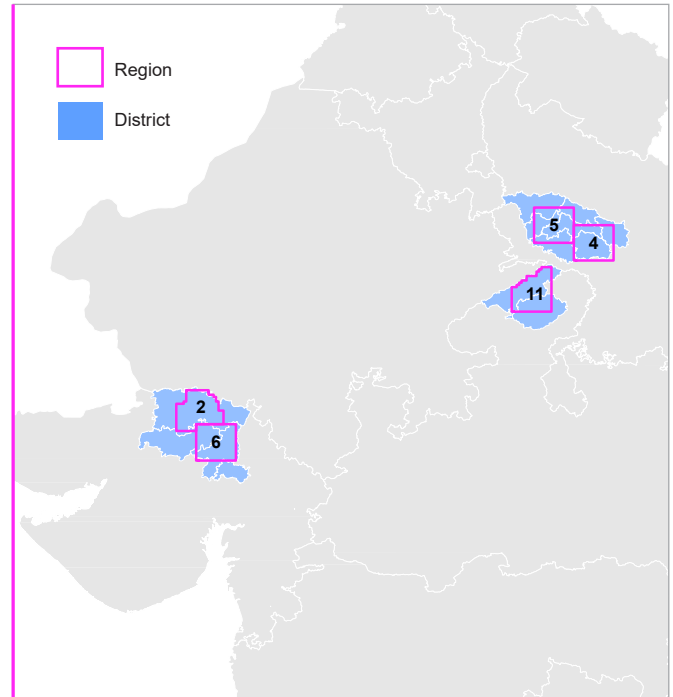


Mustard is the third-most important oilseed crop after soybean and groundnut, contributing 20-25% of total oilseed production in the country. Mustard is mainly grown in North-Western parts of India. Major mustard-producing states are Rajasthan, Haryana, Madhya Pradesh, Uttar Pradesh, Gujarat, West Bengal, and Assam.

Focus Regions



Metric Tons (MT)					
Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-11	Madhya Pradesh	2,12,123	2,05,368	8,485	8,215
R-2	Gujarat	1,14,121	1,11,174	10,271	10,006
R-5	Uttar Pradesh	42,322	40,923	4,232	4,092
R-4	Uttar Pradesh	40,622	39,463	4,062	3,946
R-6	Gujarat	25,706	24,610	2,571	2,461

Major varieties grown in different agro-climatic zones of India

Agro-climatic zone	State	Region ID.	Major Districts	Varieties
Gujarat Plains and Hills (GPH)	Gujarat	R-2	Banas Kantha	Gujarat Mustard 1, Gujarat Mustard 2, Gujarat Mustard 3, Gujarat Mustard 4, Gujarat Sarson 1, Pusa Jai Kisan (BIO902), Pitambri (RYSK-05-02)
		R-6	Patan, Mahesana, Gandhinagar	
Central Plateau and Hills (CPH)	Madhya Pradesh	R-11	Gwalior, Morena	Pusa Mustard 27, Pusa Mustard 30, Pusa Jai Kisan (BIO902), RGN-73, NRCHB-506 Hybrid, NRCHB-101, Jawahar Mustard 2, Jawahar Mustard 3, 45S46, PROAGRO-5210
Upper Gangetic Plains Region (UGP)	Uttar Pradesh	R-4	Mainpuri, Etah, Farrukhabad	Giriraj (DRMRU31), Hayala PVC (9-22-1), Narendra Rai - 8501, NRCHB-506 Hybrid, PBR-357, PR 20061 (Pant Rai 19), Pusa Mustard 28, Pusa Mustard 30, Raj Vijay Mustard-2 (JMWV 08-3), RGN 236, RH 0749, NRCHB-101, Pitambri (RYSK-05-02)
		R-5	Etah, Firozabad, Kasganj, Hathras, Aligarh	



Seasonal Calendar

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

Agro-climatic zone	Region	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
GPH	R-2, R-6								
CPH	R-11								
UGP	R-4, R-5								

Note: GPH Gujarat Plains and Hills, CPH Central Plateau and Hills, UGP Upper Gangetic Plains Region

 Sowing
  Mid season
  Harvesting



Contract Summary

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

Lot ID	LOT23MU08
HSN Code	10019910
Commodity	Mustard
Variety	Pusa Mustard 27
Grade	Grade-II (Band-III)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	10.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	1.00 MT
Allowable Lot Variance (-)	0.50 MT
Rights per Lot (No.)	5
Current Lot Size	10.00 MT
Contract Price (Per Unit)	₹ 42,580
Fees	1.50%
Taxes	0.00%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 4,32,187
Logistic Hub Location	Maruti Nandan Warehouse Godown No.14,66,113 Diyodar Bhabhar Highway, Opp.Sahajanand Petrol Pump,Banaskantha Gujarat, Pin Code-385320



Quality Specifications

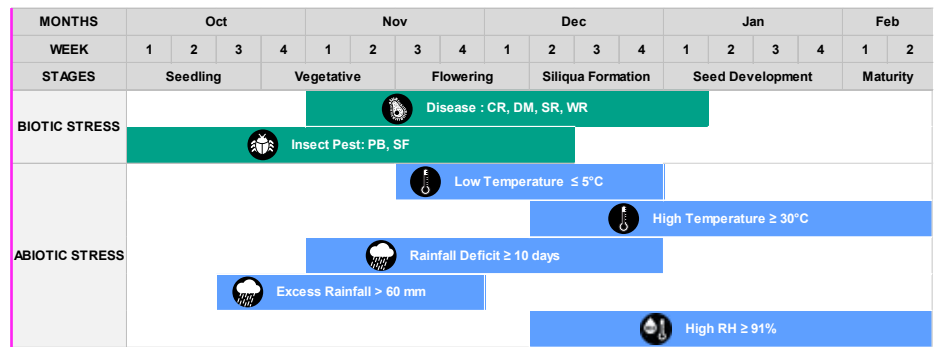
Quality by both standard post-harvest parameters and specific biological indicators for better price realisation

No.	Gram	Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
No.	Tradable parameters	121	122	123	124	125
I	Moisture (% by wt)	01.00 - 10.00	10.01 - 11.00	11.01 - 12.00	12.01 - 13.00	13.01 - 14.00
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	Admixture / Other edible grains (% by wt)	01.00 - 02.00	01.00 - 02.00	01.00 - 02.00	02.01 - 03.00	03.01 - 04.00
IV	Damaged / immature & Shriveled grains (% by wt)	01.00 - 04.00	01.00 - 04.00	01.00 - 04.00	04.01 - 05.00	05.01 - 07.00
V	Weevilled Grains (% by count)	01.00 - 03.00	01.00 - 03.00	01.00 - 03.00	03.01 - 06.00	06.01 - 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 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.

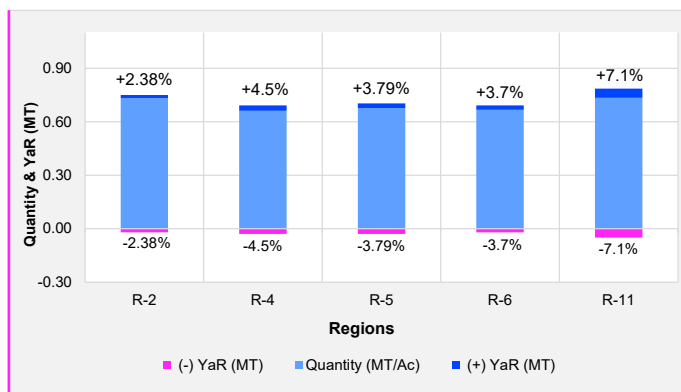


NOTE: CR Club Root, DM Doney Mildew, SR Sclerotinia Rot, PB Painted Bug, SF Sawfly, RH Relative Humidity



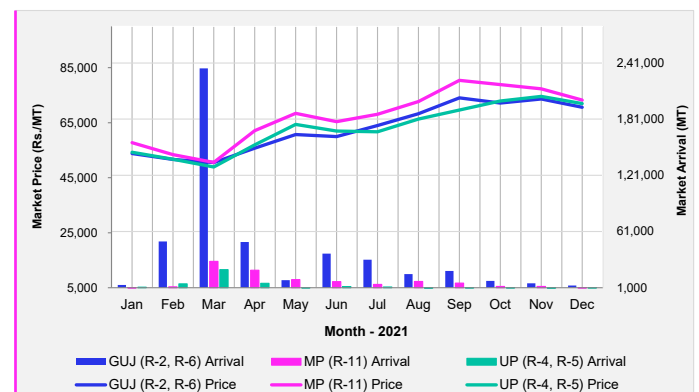
Yield at Risk (YaR) - Stability

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.



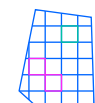
Price Volatility

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



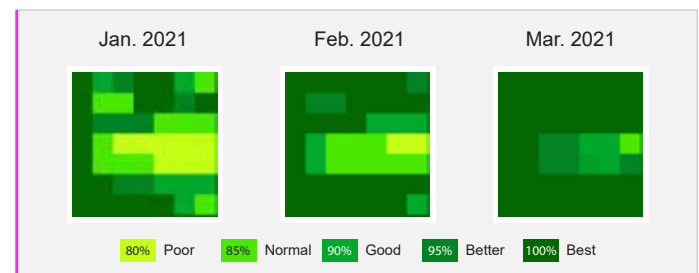
Aerial Photo

Aerial photo provides the visual representation of the field periodically.



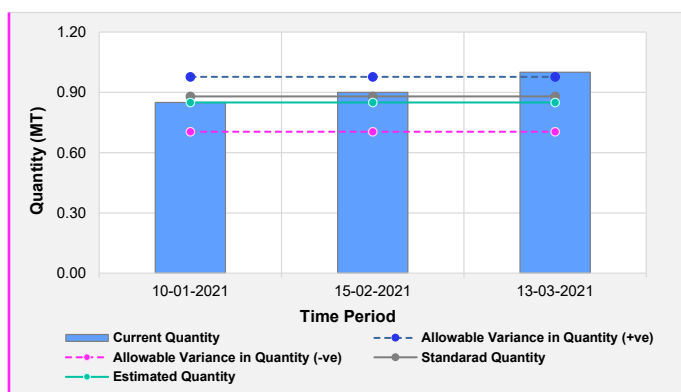
Multispectral Yield Analysis

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.

