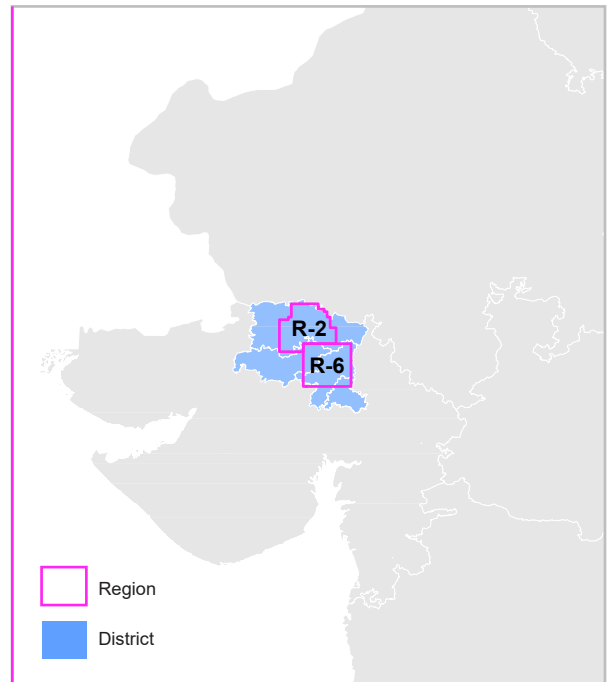




Cumin is a spice that comes from the *Cuminum cyminum* plant. It is native to Asia, Africa and Europe. In India, it is mainly grown as a Rabi Crop mainly in Rajasthan and Gujrat. The sowing of Cumin takes place from October to November and harvesting is done during February and March.

Focus Regions



Metric Tons (MT)					
Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-2	Gujarat	33,928	33,328	3,393	3,333
R-6	Gujarat	8,691	6,505	869	651

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 Cumin 1, Gujarat Cumin 2, Gujarat Cumin 3, Gujarat Cumin 4, Mangalam 4, NSC 5, RZ 19, RZ 209, RZ 223, Adhiyar, Western C-45, Western C-60
		R-6	Patan, Mahesana	



Seasonal Calendar

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

Agro-climatic zone	Region	Oct	Nov	Dec	Jan	Feb	Mar
GPH	R-2, R-6			Rabi			

Note: GPH Gujarat Plains and Hills

■ Sowing
 ■ Mid season
 ■ Harvesting



Contract Summary

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

Lot ID	LOT08CU12
HSN Code	09093119
Commodity	Cumin Seed
Variety	Gujarat Cumin 1
Grade	Grade-I (Band-II)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	6.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	1.20 MT
Allowable Lot Variance (-)	0.60 MT
Rights per Lot (No.)	5
Current Lot Size	6.50 MT
Contract Price (Per Unit)	₹ 1,12,000
Fees	0.70%
Taxes	0.00%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 7,33,096
Logistic Hub Location	Krishna Industries GIDC, Rajpur, Deesa, Banaskantha-385535, Gujarat, India



Quality Specifications

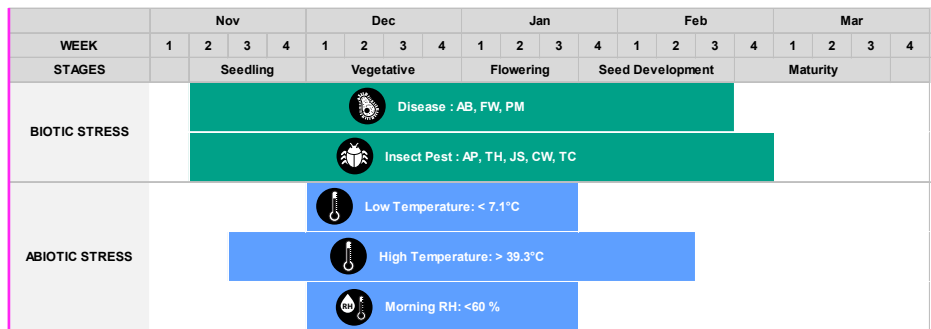
Quality by both standard post-harvest parameters and specific biological indicators for better price realisation

Cumin seed		Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
No.	Tradable parameters	421	422	423	424	425
I	Moisture (% by wt)	01.00 - 07.00	07.01 - 08.00	08.01 - 09.00	09.01 - 10.00	10.01 - 11.00
II	Foreign matter (% by wt)	01.00 - 02.00	02.01 - 03.00	03.01 - 04.00	04.01 - 05.00	05.01 - 07.00
III	Broken / Damaged / discoloured (% by wt)	01.00 - 03.00	01.00 - 03.00	01.00 - 03.00	03.01 - 04.00	04.01 - 05.00



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.

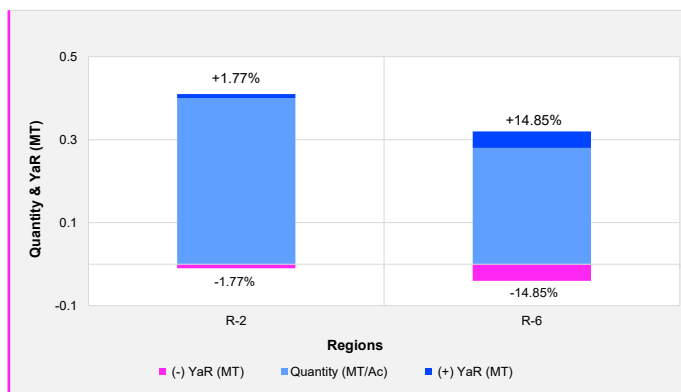


NOTE: AB Alternaria Blight, FW Fusarium Wilt, PM Powdery Mildew, AP Aphids, TH Thrips, JS Jassids, CW Cut Worm, TC Tobacco Caterpillar



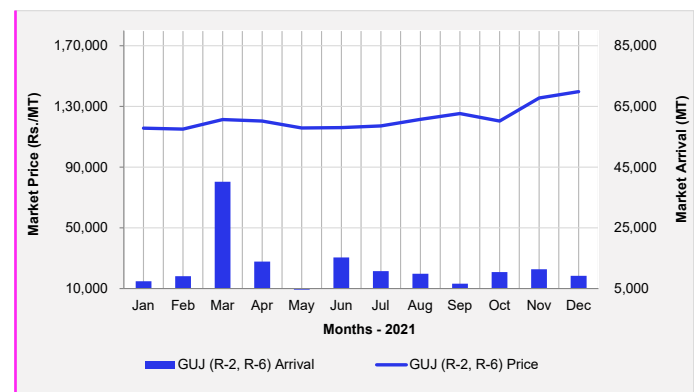
Yield at Risk (YaR) - Stability

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.



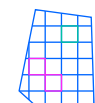
Price Volatility

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



Aerial Photo

Aerial photo provides the visual representation of the field periodically.



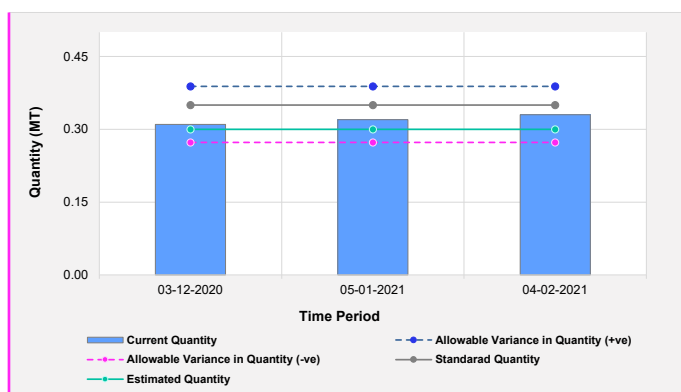
Multispectral Yield Analysis

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.

