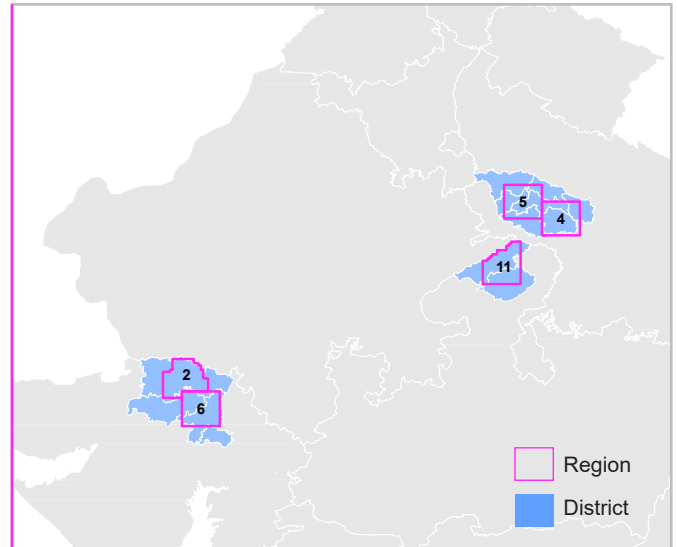




Focus Regions



India is one of the largest producers of Bajra in the world. Rajasthan is the highest producing state followed by Maharashtra, Gujarat, Uttar Pradesh, Haryana, Karnataka, Tamil Nadu, and Andhra Pradesh. Bajra is known for its high nutritive value because of its high iron and zinc content. The major export markets are the United Arab Emirates (UAE), Yemen, Tunisia, and the United Kingdom (UK).

Metric Tons (MT)					
Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-5	Uttar Pradesh	2,90,089	2,81,578	23,207	22,526
R-11	Madhya Pradesh	2,77,943	2,46,248	25,015	22,162
R-2	Gujarat	2,01,014	1,92,320	20,101	19,232
R-4	Uttar Pradesh	98,437	95,081	9,844	9,508
R-6	Gujarat	27,294	26,541	2,729	2,654

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, R-6	Banas Kantha, Gandhinagar, Mahesana, Patan	JKBH 1008, HHB 272, MPMH 21, 86M01, HHB 234, Dhanshakti, MH-2114, RHB 223, Hi Pearl 51+, HHB-67, Nandi-5, Nandi-61, Nandi-64, Nandi-75, GHB-905, KBH 108, 86M89, KBH 3940
Upper Gangetic Plain (UGP)	Uttar Pradesh	R-4, R-5	Etah, Farrukhabad, Mainpuri, Aligarh, Etah, Firozabad, Hathras, Kasganj,	86M01, Dhanshakti, MH-2114, I.C.M.V.-221, Hi Pearl 51+, HHB-67, Nandi-75, MH 1928, GHB-905, XMT 1497, JKBH 1100, Bio 8145
Central Plateau and Hills (CPH)	Madhya Pradesh	R-11	Gwalior, Morena	KBH 108, GHB 905, 86M89, MPMH 17, Kaveri Super Boss, Bio 448, MP 7872, MP 7792, 86M86, 86M66, RHB-173



Seasonal Calendar

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

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

Note: GPH Gujarat Plains and Hills, UGP Upper Gangetic Plain, 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	LOT12BA04
HSN Code	10082920
Commodity	Bajra
Variety	JKBH 1008
Grade	Grade-I (Band-III)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	11 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	1.1 MT
Allowable Lot Variance (-)	2.2 MT
Rights per Lot (No.)	4
Current Lot Size	9.20 MT
Contract Price (Per Unit)	₹ 16,200
Fees	1.00%
Taxes	0.00%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 1,50,530
Logistic Hub Location	Shikhar Trading Company, Kaimganj Farrukhabad, Uttar Pradesh, 209502



Quality Specifications

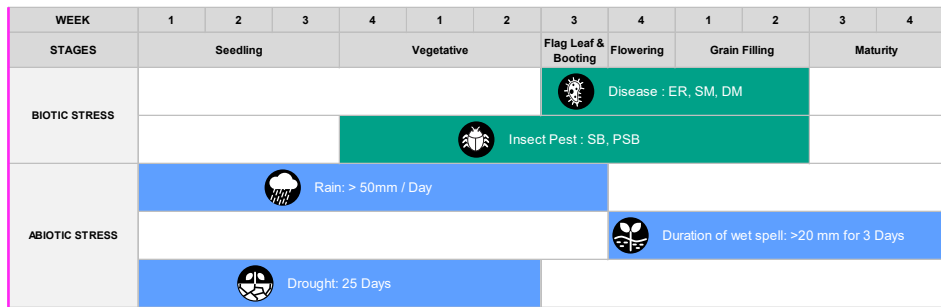
Quality by both standard post-harvest parameters and specific biological indicators for better price realisation

Bajra		Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
No.	Tradable parameters	251	252	253	254	255
I	Moisture (% by wt)	01.00 - 10.00	10.01 - 11.00	11.01 - 12.00	12.01 - 14.00	14.01 - 16.00
II	Admixture (% by wt)	00.01 - 01.00	00.01 - 01.00	00.01 - 01.00	01.01 - 02.00	02.01 - 03.00
III	Immature & Shriveled grains (% by wt)	01.00 - 04.00	01.00 - 04.00	01.00 - 04.00	04.01 - 06.00	06.01 - 08.00
IV	Foreign matter (% by wt)	00.01 - 00.10	00.01 - 00.10	00.01 - 00.10	00.11 - 00.60	00.61 - 01.00
V	Other edible grains (% by wt)	01.00 - 03.00	01.00 - 03.00	01.00 - 03.00	03.01 - 04.00	04.01 - 06.00
VI	Damaged/Discoloured grains (% by wt)	01.00 - 03.00	03.01 - 04.00	04.01 - 05.00	05.01 - 07.00	07.01 - 10.00
VII	Weevil Grains (% by count)	01.00 - 02.00	01.00 - 02.00	01.00 - 02.00	02.01 - 04.00	04.01 - 06.00



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.

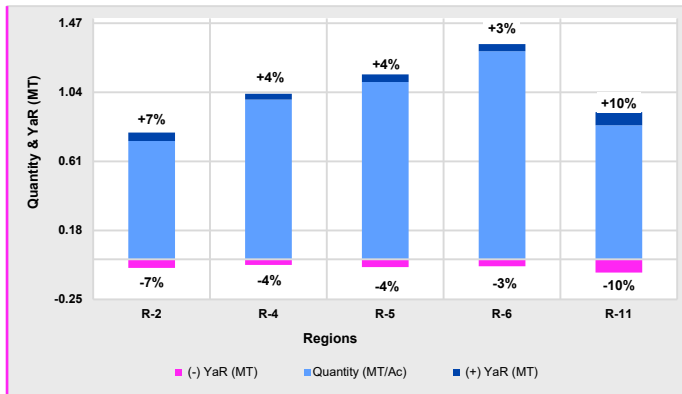


Note: DM: Downy Mildew, ER Ergot, SM Smut, SB Stem Borer, PSB Pink Stem Borer



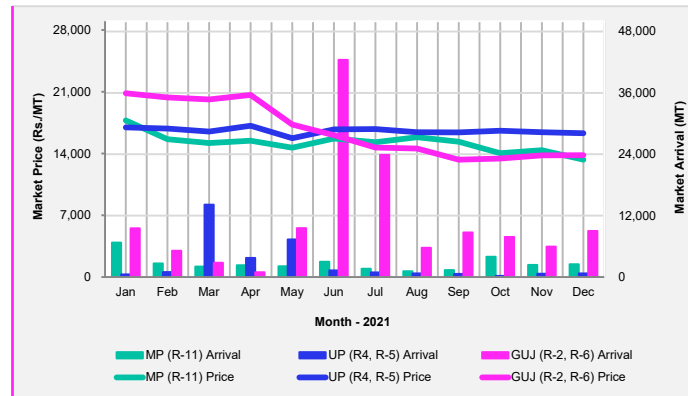
Yield at Risk (YaR) - Stability

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.



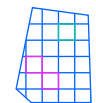
Price Volatility

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



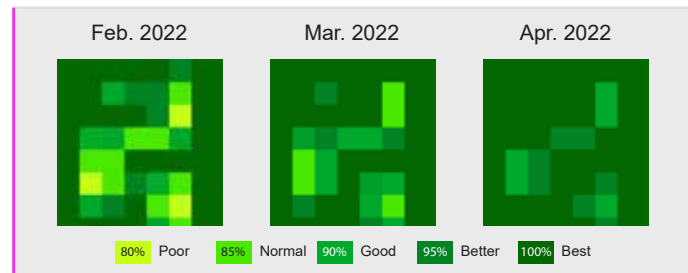
Aerial Photo

Aerial photo provides the visual representation of the field periodically.



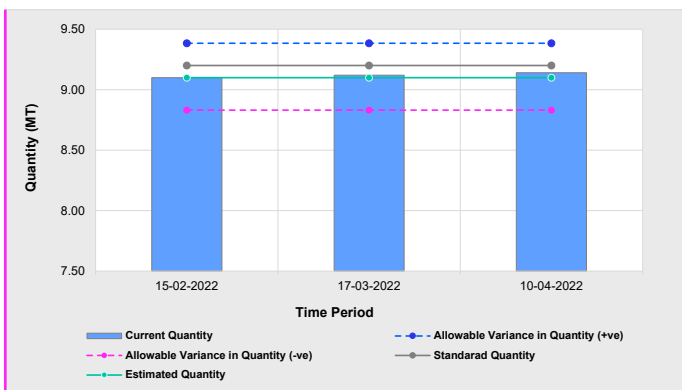
Multispectral Yield Analysis

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.

