

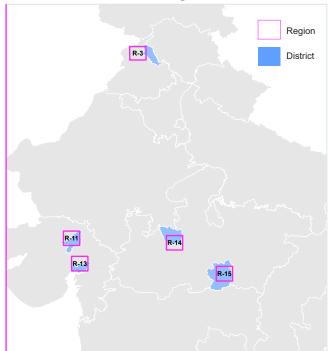


Sweet orange also known as Mosambi, is the second most-cultivated citrus fruit cultivated in the country. Andhra Pradesh, Maharashtra, Punjab, and Rajasthan are the major sweet orange-producing states in India. The juice prepared from sweet orange is an important dietary source of vitamin C, limonoids, synephrine, hesperidin, polyphenols, pectins, calcium, potassium, thiamine, niacin, and magnesium.

Metric Tons (MT)

Region ID.	State	Production	Risk Free Production	Available Production	Available Risk Free Production
R-15	Madhya Pradesh	23,791	23,788	1,665	1,665
R-11	Gujarat	11,773	10,588	1,177	1,059
R-14	Madhya Pradesh	10,769	10,676	1,077	1,068
R-13	Gujarat	5,273	5,237	527	524
R-3	Punjab	1,635	1,626	163	163

Focus Regions



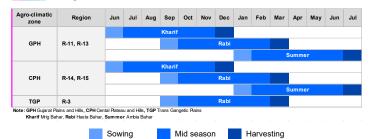
Major varieties grown in different agro-climatic zones of India

Agro-climatic zone	State	Region ID.	Major Districts	Varieties
Gujarat Plains and Hills (GPH)	Gujarat	R-11, R-13	Mahesana, Kheda, Anand	Mosambi
Cental Plateau and Hills (CPH)	Madhya Pradesh	R-14, R-15	Rajgarh, Chhindwara	Mosambi
Trans Gangetic Plains (TGP)	Punjab	R-3	Amritsar, Hoshiarpur	Malta (Common), Malta (Blood Red), Mosambi, Jaffa, Valencia late

¥ ¥ ¥ ¥

Seasonal Calendar

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





Quality Specifications

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

	(Sweet Orange)	Band - 1	Band - 2	Band - 3	Band - 4	Band - 5
No.	Tradable parameters	551	552	553	554	555
1	Size in mm (diameter of the equatorial section)	75.01 - 80.00	70.01 - 75.00	65.01 - 70.00	55.01 - 65.00	Upto 55
II	Defects % by count (Max):- Scratches scars, scrapes and blemishes (0.5-2 sq. cm. of total surface area) %	01.00 - 03.00	01.00 - 03.00	01.00 - 03.00	03.01 - 05.00	05.01 - 07.00
	Biochemical Parameters					
1	TSS	Not less than 10 degree brix				



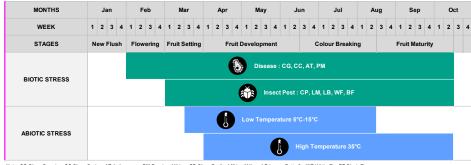
Contract Summary

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

Lot ID	LOT07SO07
HSN Code	08051000
Commodity	Sweet Orange
Variety	Malta (Common)
Grade	Grade-I (Band-III)
Aggregation Unit	Metric Tons (MT)
Minimum Lot Size	5.00 MT
Bid Window Termination	48 Hr
Allowable Lot Variance (+)	0.30 MT
Allowable Lot Variance (-)	0.60 MT
Rights per Lot (No.)	1
Current Lot Size	6.00 MT
Contract Price (Per Unit)	₹ 30,000
Fees	1.00%
Taxes	0.00%
Packaging Size (Per Bag)	50 Kg
Contract Value	₹ 1,81,800
Logistic Hub Location	Niraj, Navi Sakadi, Nani Kadi (Part), Kadi, Mahesana,Gujarat 382715

Dynamic Crop Calendar

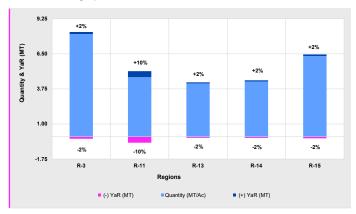
It is a real-time tool that tracks and forecasts stresses and their severity by commodity, variety and phenophase. The DCC helps estimate crop health, yield and risk for individual fields at various temporal and geo-spatial levels. DCC also helps in customised monitoring, alert generation and advisory activities.



CG Citrus Greening, CC Citrus Canker, AT Anthracnose, PM Powdery Mildew, CP Citrus Psylla, LM Leaf Minor, LB Lemon Butterfly, WF White Fly, BF Black Fly

Yield at Risk (YaR) - Stability

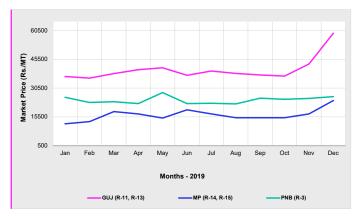
The fluctuation/risk in yield or productivity varies from region to region. The region-wise variation on the yield is depicted in the graph below.





Price Volatility

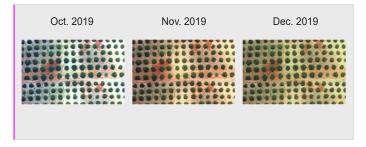
The monthly fluctuations in price for different benchmark markets are shown below.





Aerial Photo

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





Multispectral Yield Analysis

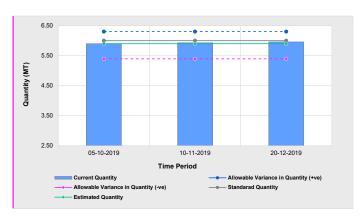
Tool that provides a Normalised Differential Vegetation Index (NDVI) analysis of individual fields to ground-truth indices. It is standardised across time periods for quick visual interpretation.





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.

