

TRANSPORTATION

Table: Catchment areas of major pomegranate markets in leading pomegranate growing states		
State	Districts (Major Markets)	Taluka Market
Maharashtra	Solapur	Karmala, Barshi, Madha, Mohol, Mangalwedha, Sangoae, Malsiras, Pandharpur, Akkalkot.
	Nasik	Kalvan, Peth, Igatpuri, Sinnar, Niphad, Yeola, Nandgaon, Satana Surgana, Dindori, Melgaon
	Sangli	Atpadi, Khanapur, Islampur, Shirala, Valva, Tasgaon, Kavathe Mahankal, Jat, Miraj
	Ahmednagar	Srirampur, Sangamner, Akola, Rahuri, Nevasa, Parner, Pathardi, Srigonda,
	Pune	Junnar, Ambegaon, Ghod, Rajgurunagar, Wadgaon, Shirur, Mulshi, Welhe, Purandhar, Bhore, Baramati, Indapur, Daund, Saswad
	Satara	Mahabaleshwar, Khandala, Wai, Phaltan, Koregaon, Khata, Patan, Karad, Vadug.
Karnataka	Bijapur	Indi, Sindgi, Basavna Bagevadi, Muddebihal, Tikota.
	Belgaum	Athni, Arkali, Chikodi, Mukeri, Bailhongal, Ramdurg
	Bagalkot	Jamkhandi, Mudhol, Hungund, Badami.
Andhra Pradesh	Anantpur	Guntakal, Gooty, Rayalacheruvu, Uravakonda, Kanekallu, Rayadurg, Kalyandurg, Kambadur, Manakasira, Nallamada.
Gujarat	Bhavnagar	Botad, Gadhdha, Valbhipur, Umralla, Mandir, Gariadhar, Palitana, Talaja, Chogha, Vaibhipur.
	Ahmedabad	Mandal, Rampura, Samand, Bavaria, Dholka, Dhandhkulla, Ranapur.
	Sabarkantha	Vijarnagar, Khedbrahma, Vadali, Idar, Bhiloda, Talod, Dhansura, Bayad, Malpur, Meghraj, Bhiloda

Modes of transport for pomegranate

1.Road Transport:

- **Refrigerated Trucks:** To maintain the freshness and quality of pomegranates, especially over long distances, refrigerated trucks are used
- **Standard Trucks:** For shorter distances or when immediate delivery is possible, standard trucks may be used.

2.Air Transport:

- **Cargo Planes:** When pomegranates need to be transported internationally or over long distances quickly, air freight is the preferred mode.
- **Passenger Planes:** when space is available and the destination requires quicker delivery

3.Sea Transport:

- **Refrigerated Containers:** These containers are equipped to maintain the necessary cold chain, keeping the fruits fresh during the long voyage
- **Standard Containers:** Shorter sea routes or when immediate refrigerated storage is available upon arrival

4. Rail Transport:

- **Refrigerated Rail Cars:** This method combines the benefits of large volume capacity with controlled environments.

Dos

- Maintain cool, controlled environment.
- Use insulated containers.
- Handle gently to prevent damage.
- Check temperature/humidity before loading.
- Secure packaging.
- Ensure proper ventilation.

Don'ts

- Use extreme temperatures.
- Use prolonged exposure to sunlight or heat.
- Use overcrowds containers.
- Use rough handling.
- Transport with ethylene-producing fruits.
- Delays in transportation.

Specific Stacking Recommendations

For Truck Transport

- **Stable base:** Start with a stable base layer on the truck floor.
- **Secure Stacking:** Stack the boxes in a brick or column pattern to increase stability.
- **Maximum Layers:** Typically, do not exceed 8 layers of boxes, considering the height of the truck and the strength of the boxes.

For Container Transport

- **Pallet Height:** Ensure the total height of the pallets, including the boxes, does not exceed the container's height restrictions (usually around 2.2 meters)
- **Securing the Load:** Use dunnage bags or bracing to prevent movement within the container.

Flowchart of The Traceability System

