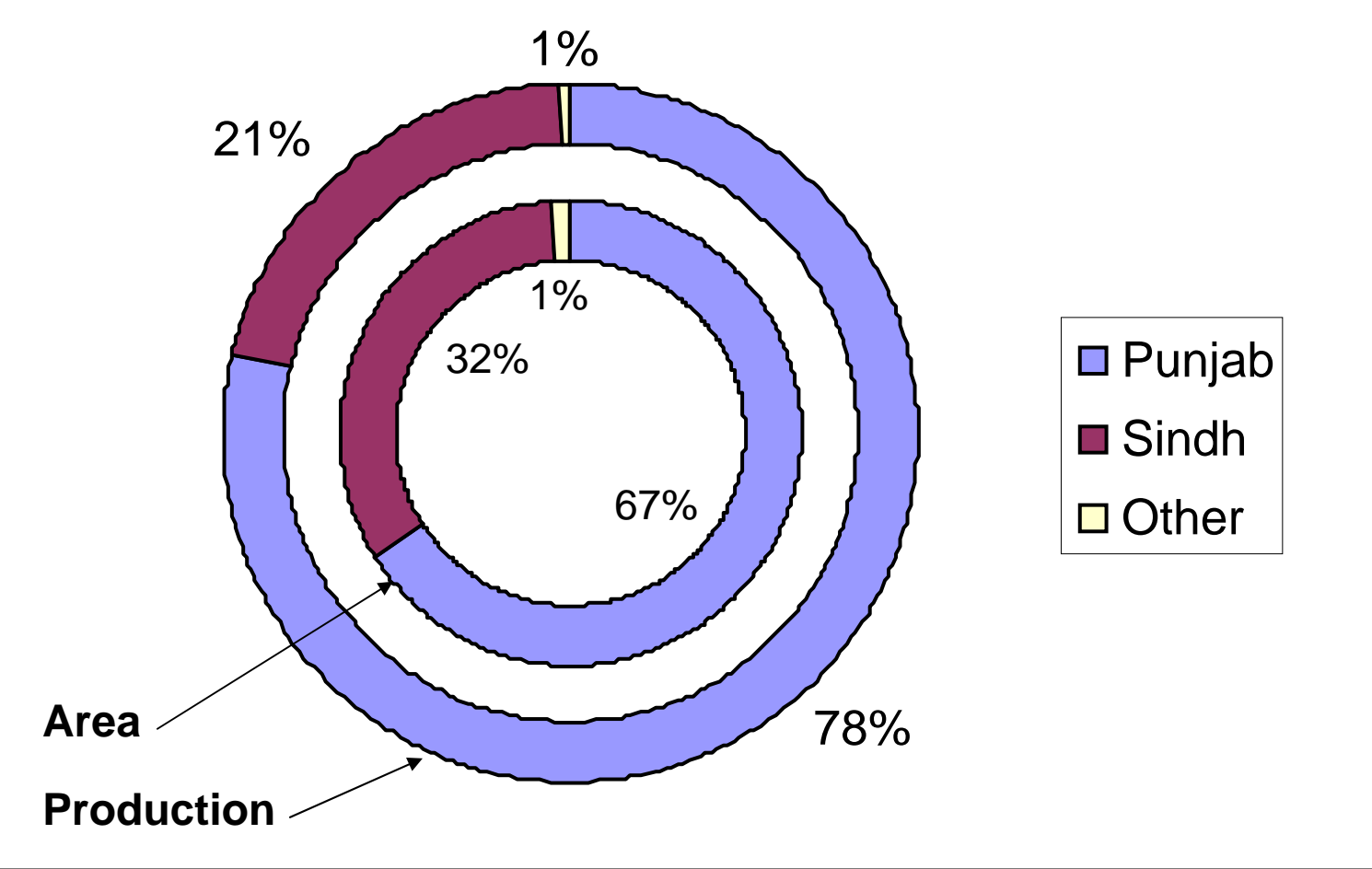
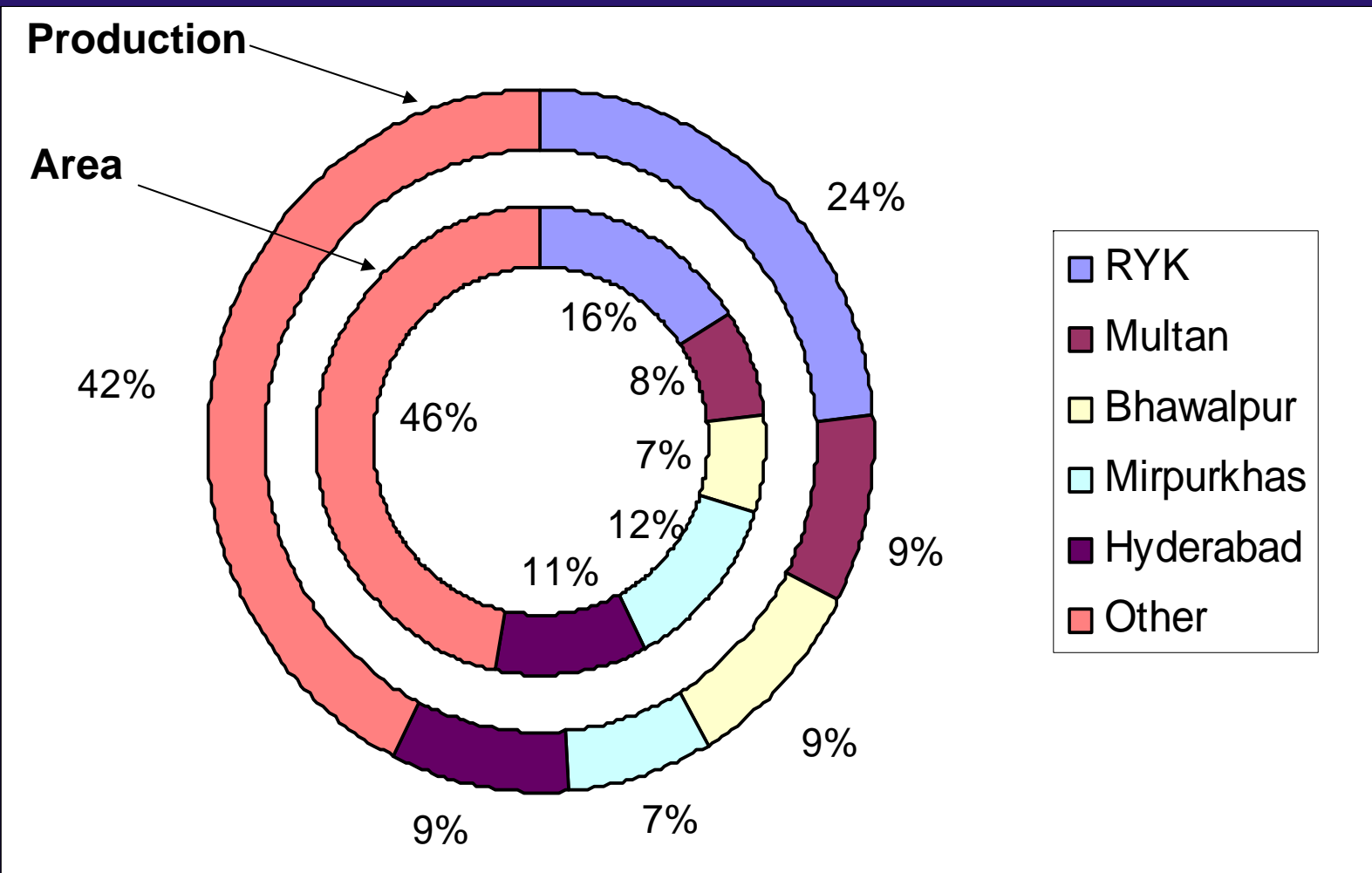


**Overview of orchard
management practices in
Pakistan and its impact on
Yield and quality**

Position of Mango in Pakistan

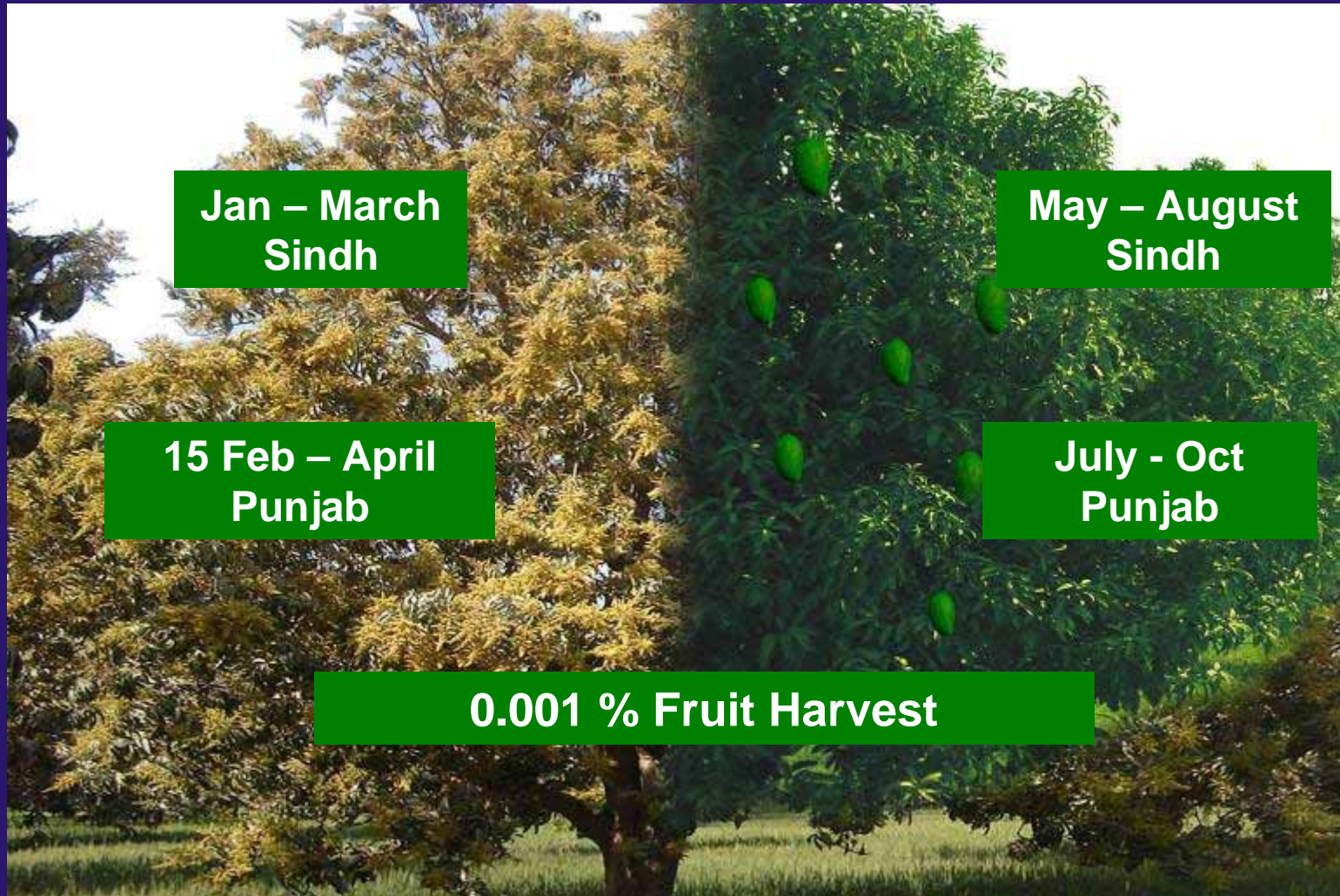


Major Districts of Mango in Pakistan (Area & Production)



- RYK
- Multan
- Bhawalpur
- Mirpurkhas
- Hyderabad
- Other

REPRODUCTIVE CYCLE OF MANGO



**Jan – March
Sindh**

**May – August
Sindh**

**15 Feb – April
Punjab**

**July - Oct
Punjab**

0.001 % Fruit Harvest

MANGO PHENOLOGY

Stage	Sindh	Punjab
Flushing	Round the Year	Rare Dec - Feb
Dormancy	No	Yes
Flowering & Fruit Set	Jan - March	Feb – April
Harvesting	May - August	June - October







MANGO PRODUCTION TECHNOLOGY

Technology	Recommended	Actual
Annual Crop Water Demand	500 -750 mm	300 – 450 mm
Fertilizer (kg)		
SSP	3 – 4	1
SOP	3 – 4	-
UREA (PB)	2 – 3	1 – 2
UREA (FS)	2 – 3	1 – 2
Zinc	0.5	-
Boran	0.15	-

Continue



MANGO PRODUCTION TECHNOLOGY

Technology	Recommended	Actual
Fungicide	1 – 2 Spray of BM	-
Powdery Mildew and Anthracnose	2 Spray / Application	1
Fruit Fly		
Traps	8	negligible
Spray	2	1
Inter culturing	Shallow	Deep By Tractor



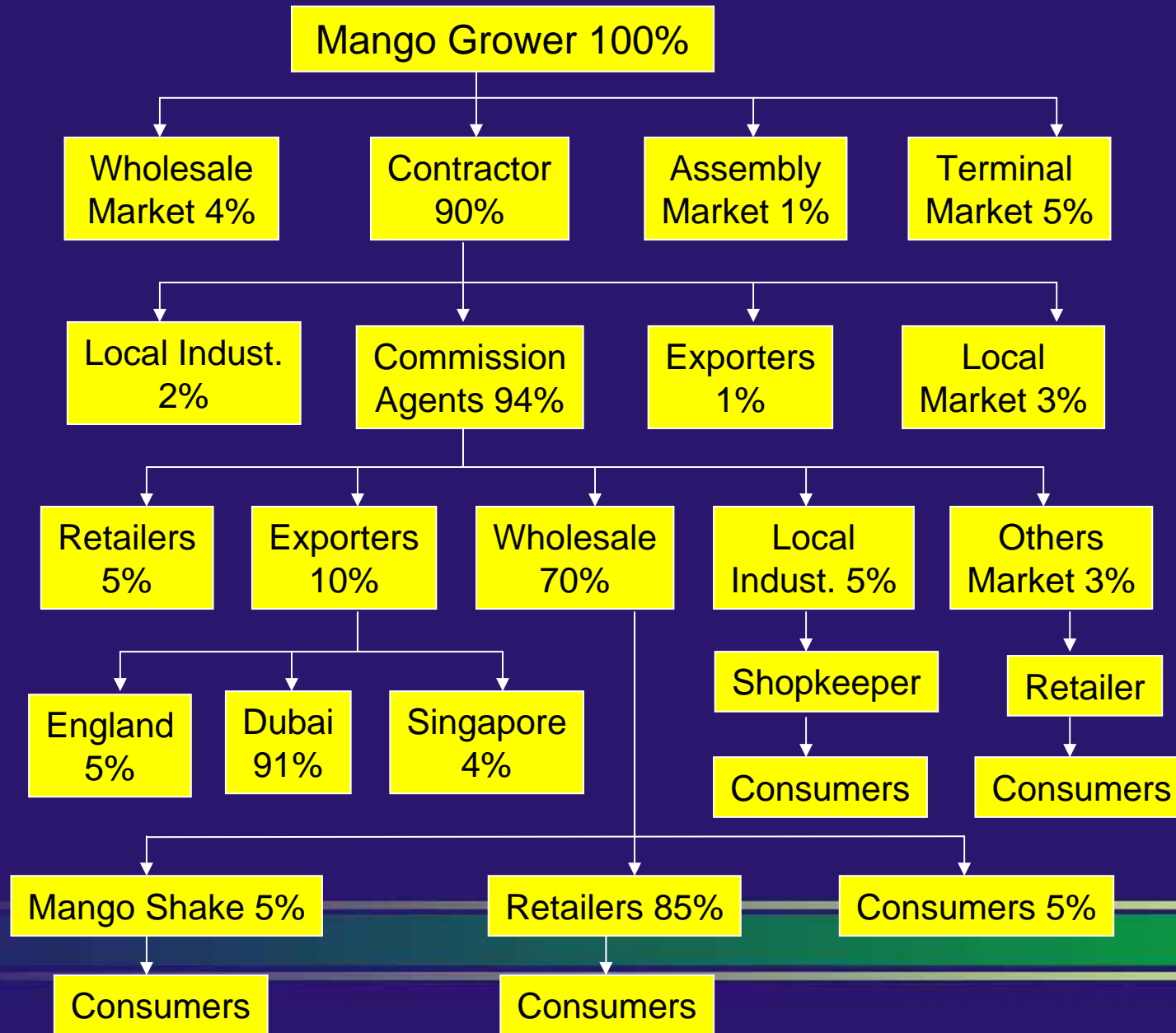


PLANTING MATERIAL

Seed Source	Not Known
Disease / Pest Screening	Nil
Compatibility of Sign with Root Stock	Not Followed
Nursery Management	Not Followed



MARKETING CHANNELS OF MANGO IN SINDH





Post Harvest Losses in Mango (percent)

Harvesting	15
Packing	4
Transport	3
Ripening	5
Marketing	3
Total	30



IMPROVEMENTS OF QUALITY



One Tehsil in Sindh & One in Punjab be declared as Export Target Area.



Irrigation Supply Should be Ensured.



Farmers Associations Should be Formed.



Farmer Field Schools.



YIELD IMPROVEMENTS

The Present average Yield of 20 – 25 Years old Tree is 6md / tree.

There are trees at Sindh Horticulture Research Institute Mirpurkhas which Produced 28 – 30 md / tree.

Ultra close Spacing.

Partial Close Spacing.





NEW VARIETIES

We should focus on Sindhri.

Try to bring quality improvements

Swarnarika is a good, but late variety

- Fruit Fly Attack
- Lower Price

Early Varieties under ultra Density



POST HARVEST

Pre cooling

Ripening.

Hydro Cooling.

Packing Plant.

Forced Air
Cooling

Refer Container.

Hot Water
Treatment.

Direct Exports.











Thanks

