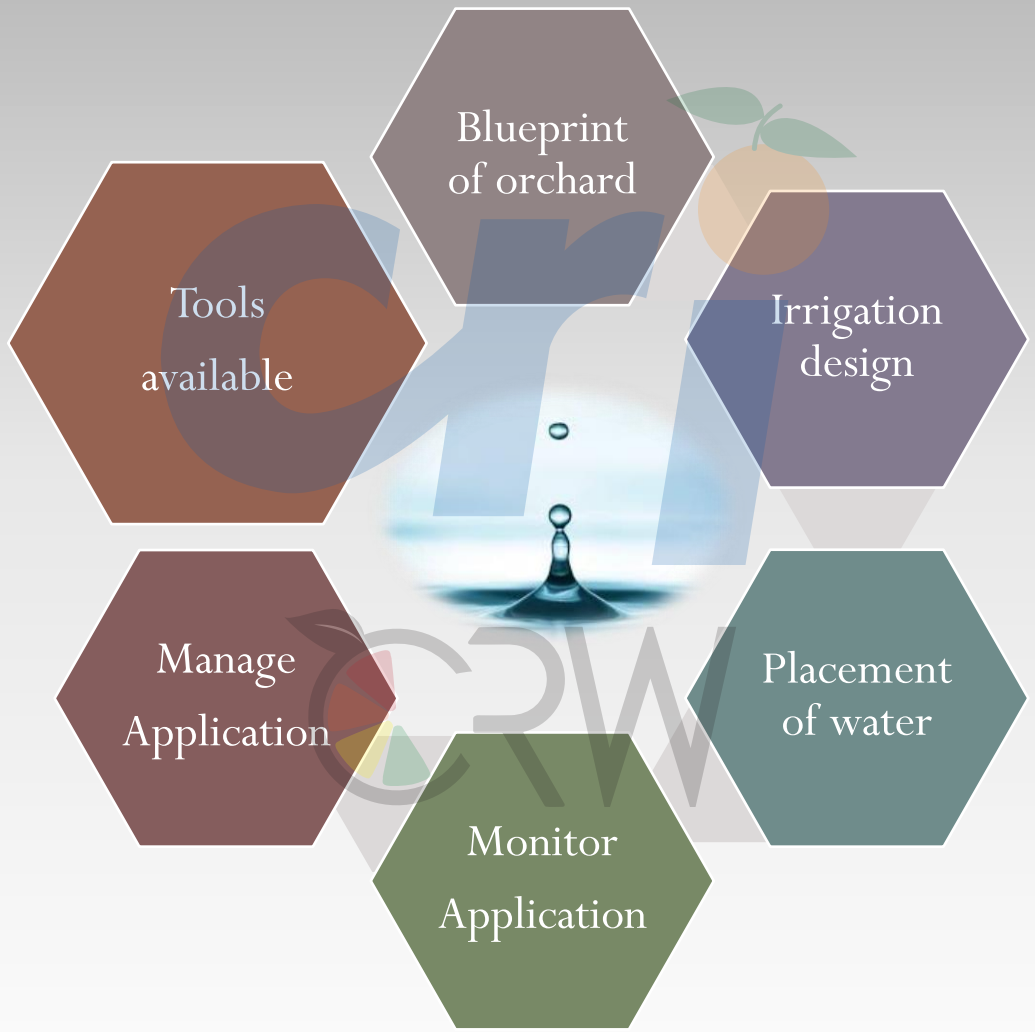
“Basic Principles for effective irrigation management”

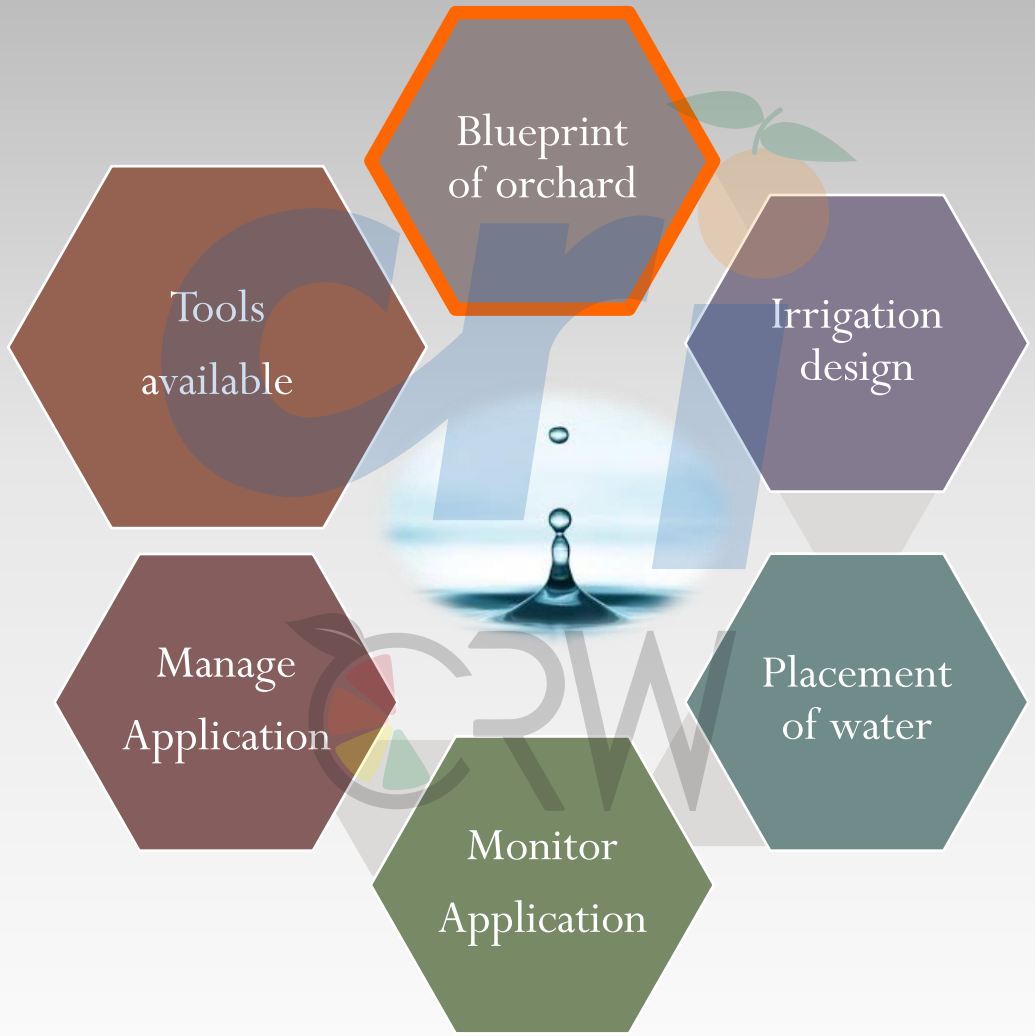
citrus research international

WHY

Strategy


Blueprint of orchard
Irrigation design
Placement of water
Monitor Application
Manage Application
Tools available

Strategy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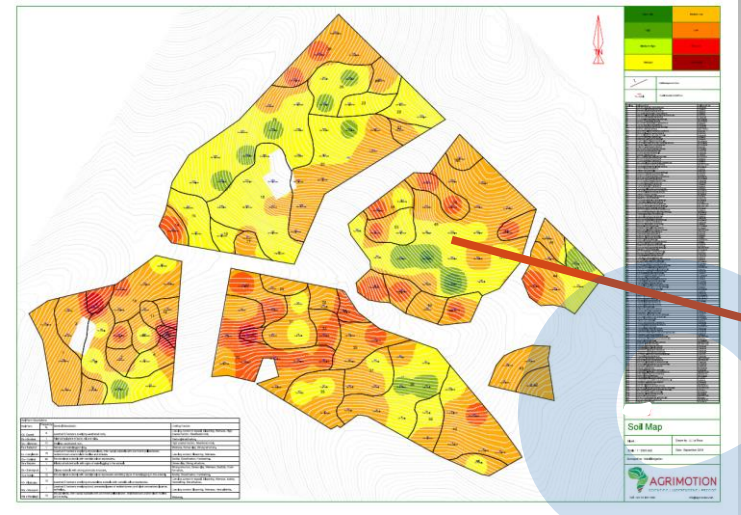
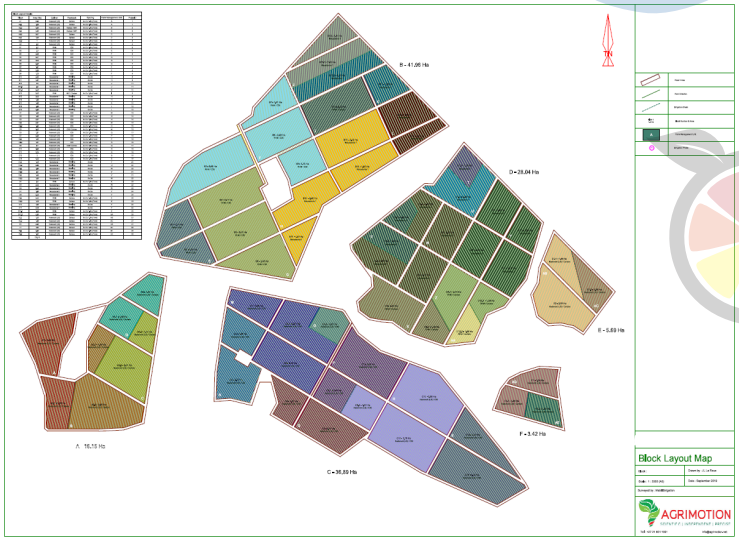
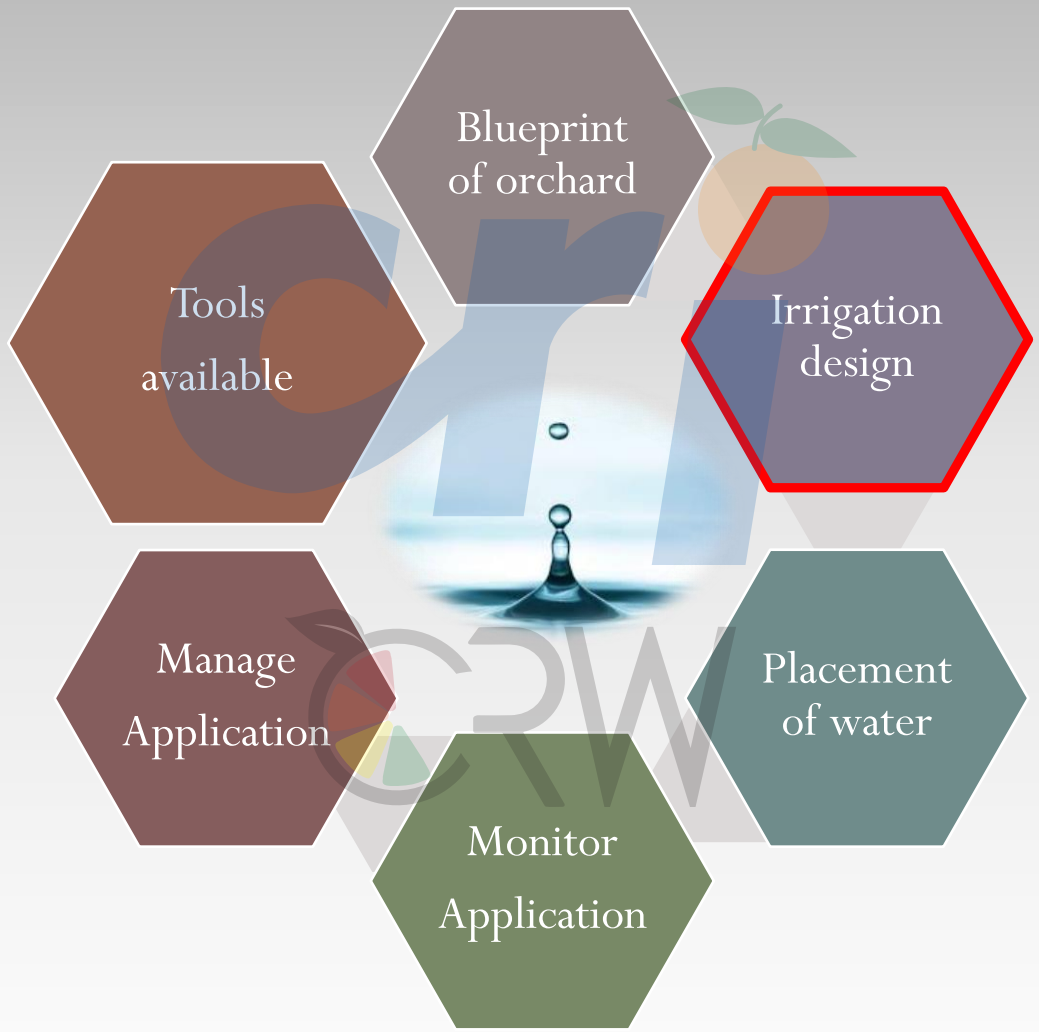
Blueprint of Orchard





Acknowledge: Agrimotion Soil Classification Division

Strategy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Irrigation design

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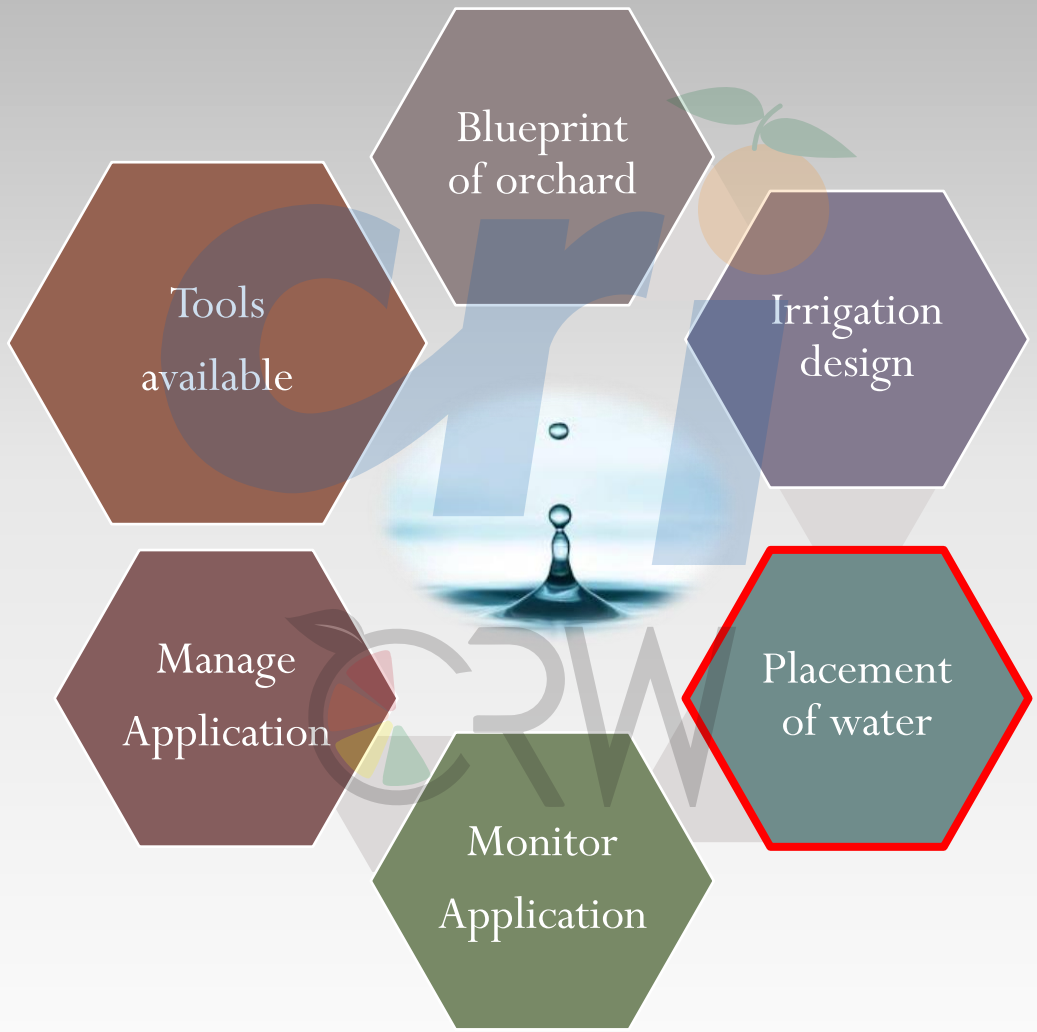
Rainbird
Netafim

Strategy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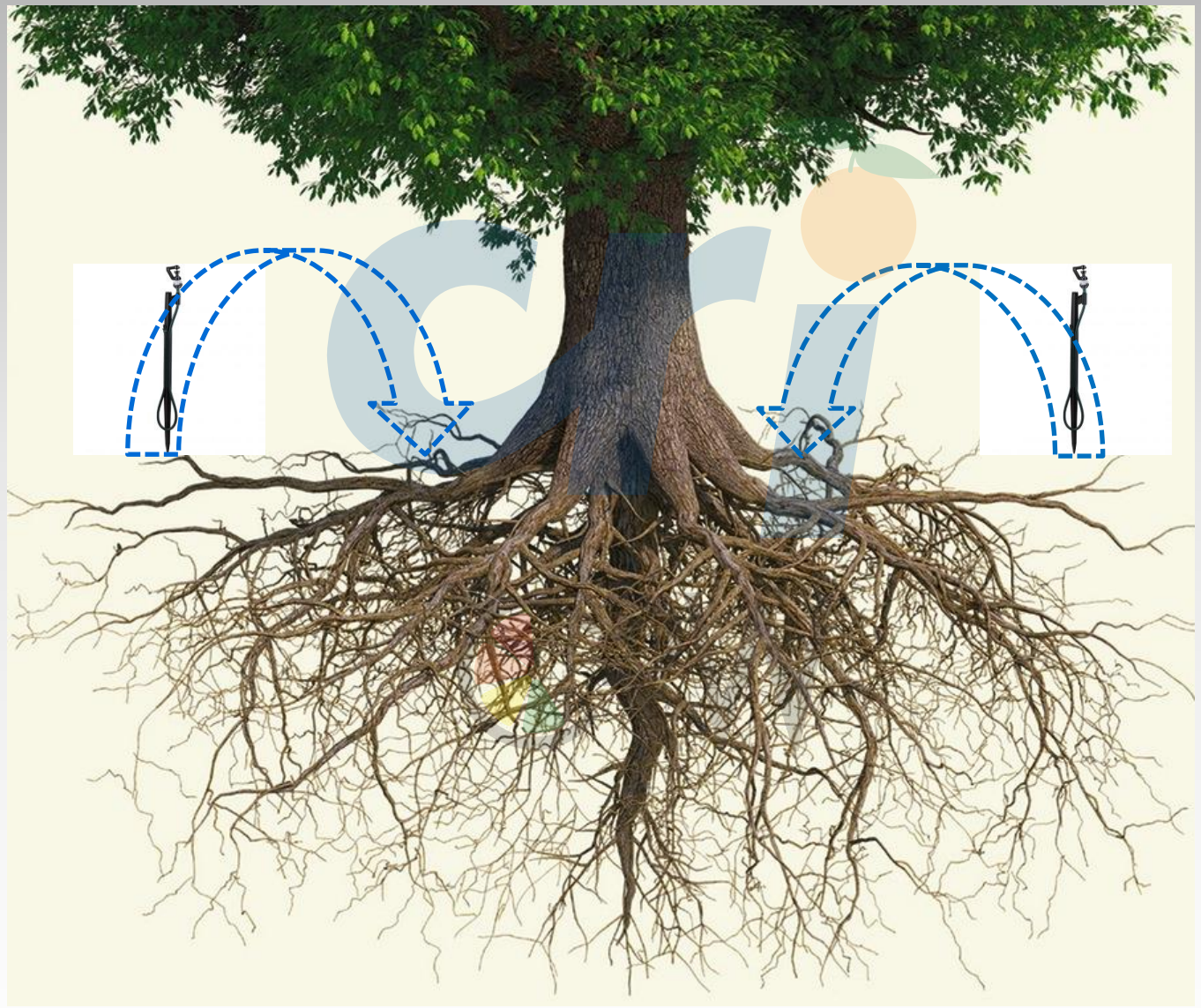

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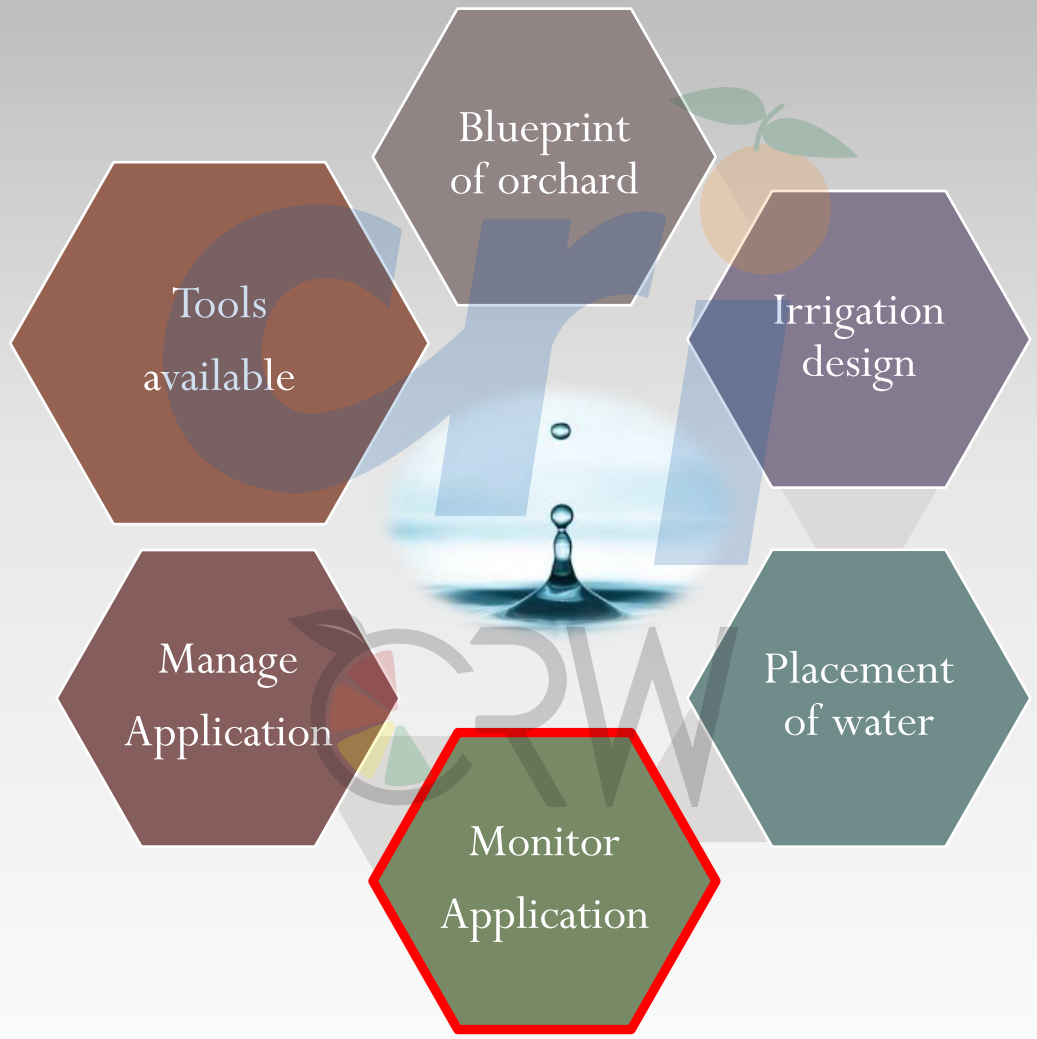
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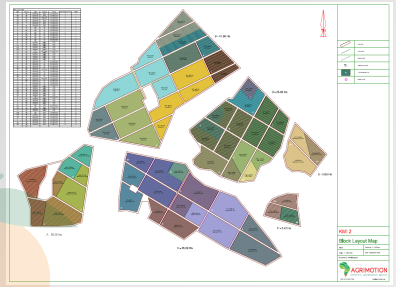
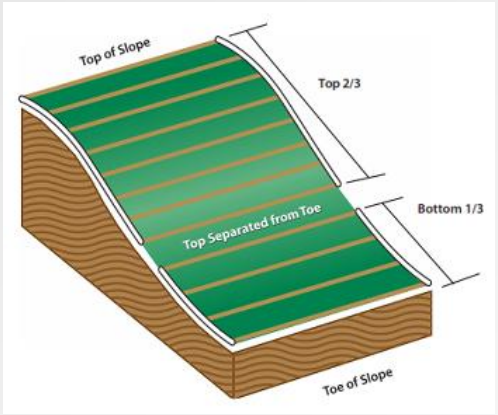
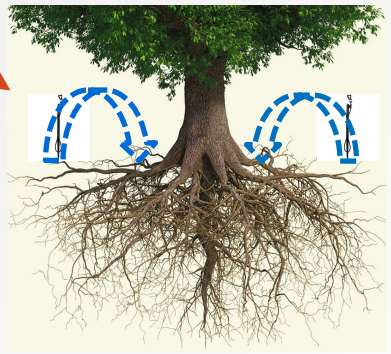






Monitor of Application

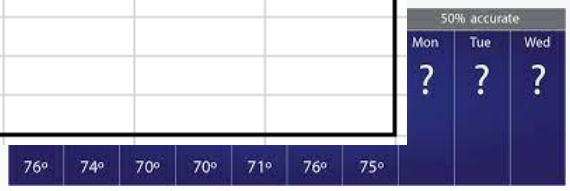
Field observation

Flow meter

	Field observation index	% PAW that is left
1	Dusty, Powdery	0-25
2	Crumbly, Friable but not wet, not dusty by dry	25-50
3	Rolls and crumbs, Moist by no residue	50-75
4	Moist with residue	75-100
5	Rolls but doesn't crumb. Water drips when squeezed	FWC

*PAW - Plant Available water

"FWC - Field water capacity



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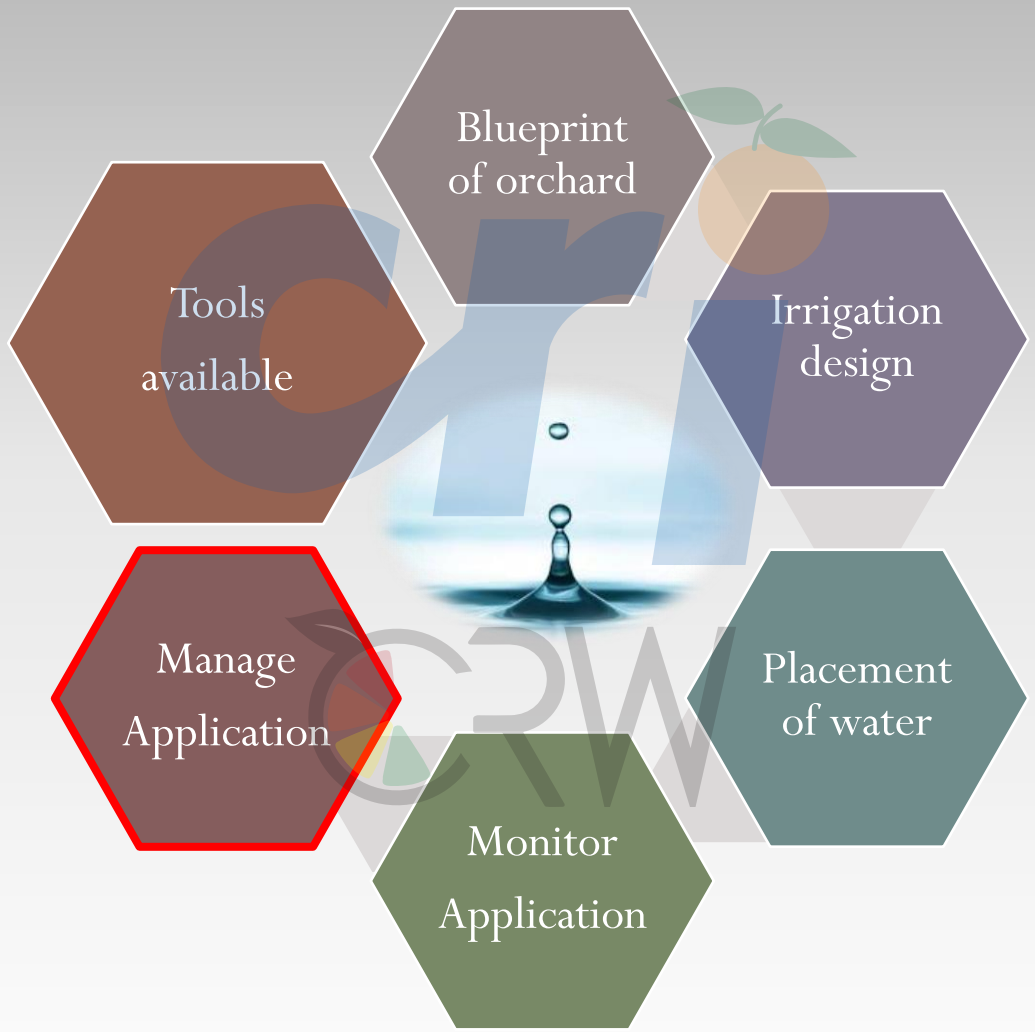
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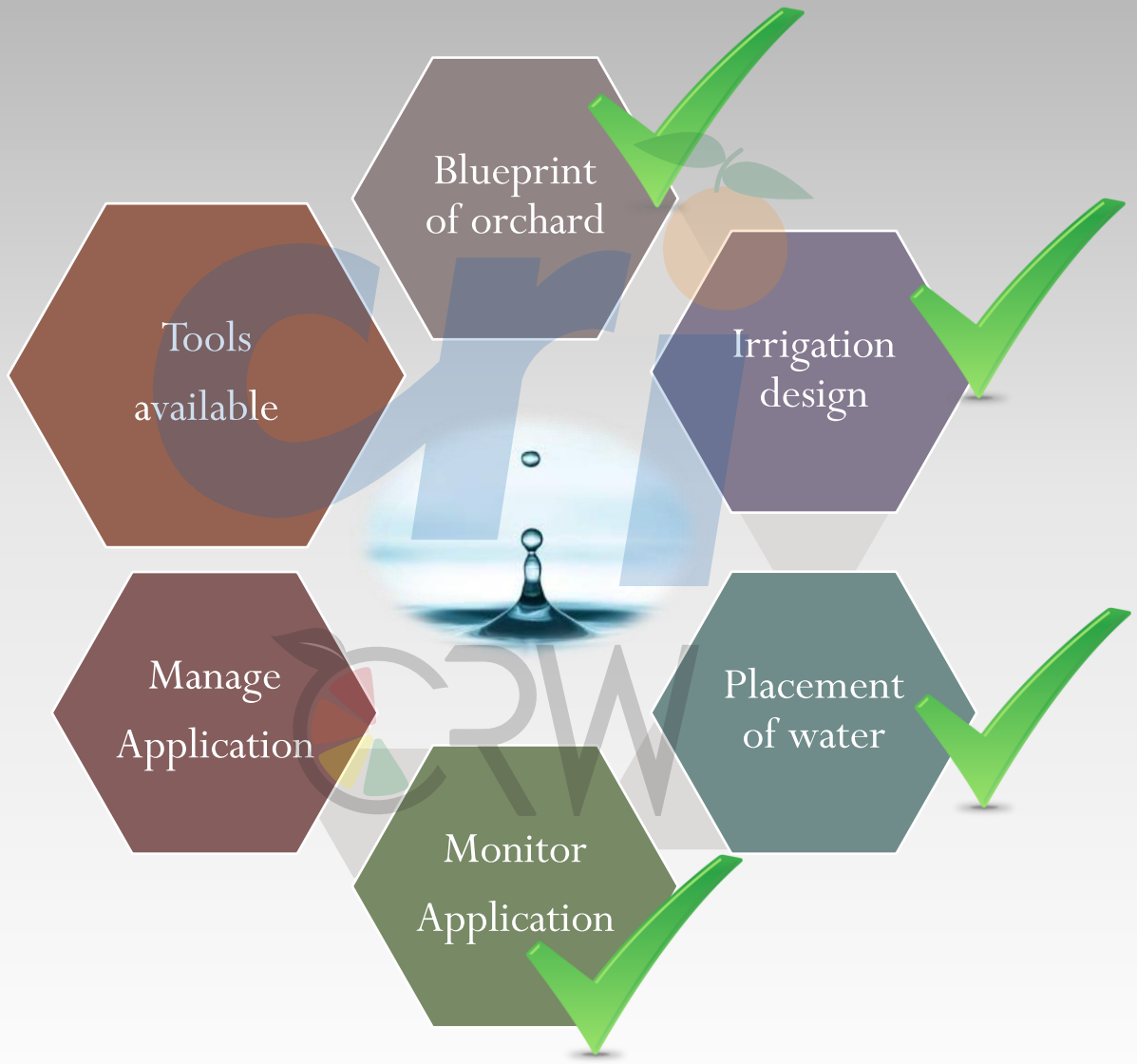
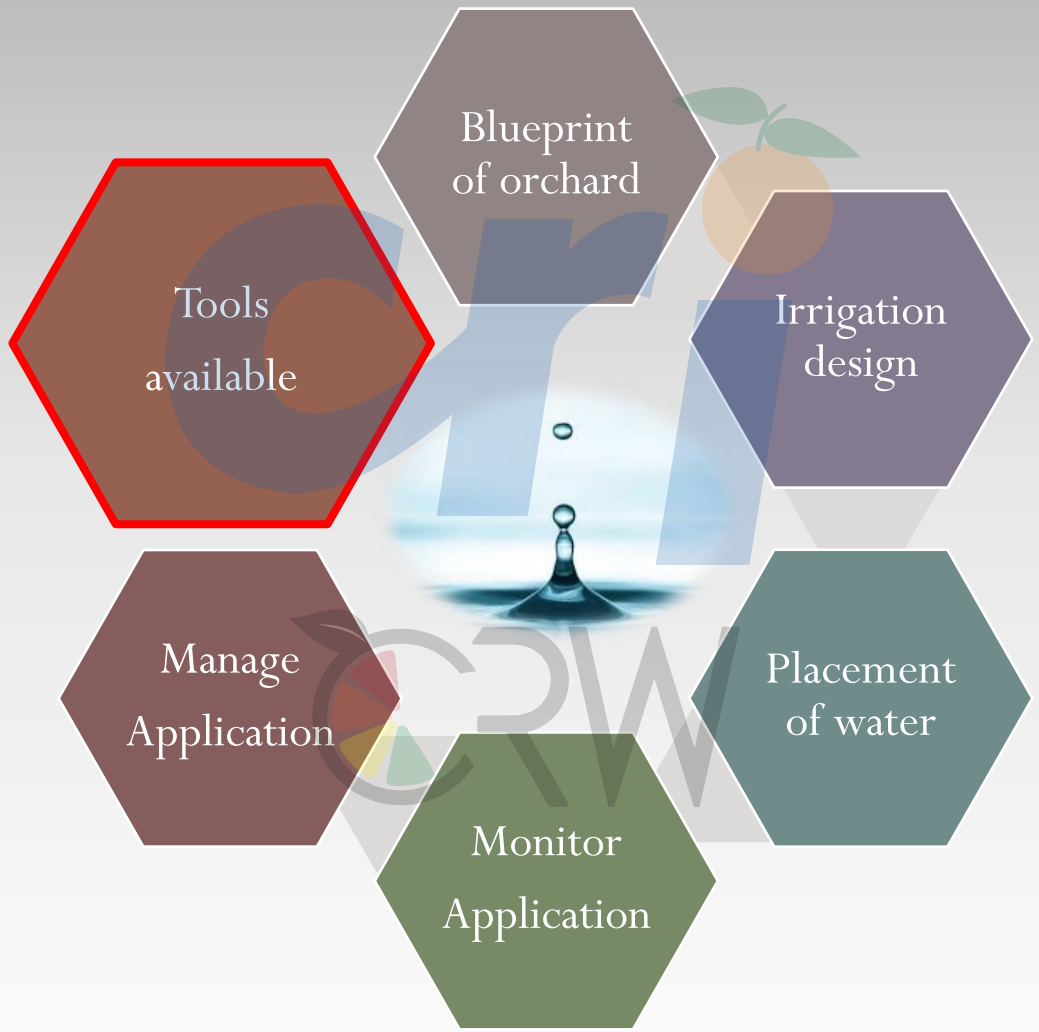


Manage Application

- Be Pro Active
- Set certain flags
- Train your staff
- Adjust

Strategy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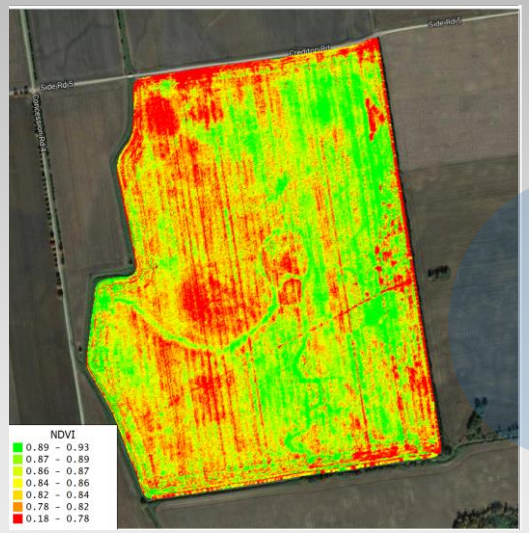

Summary

- Soil
- Infrastructure
- Roots

- Monitor – Flow meters / Weather predictions / field observations

Questions

For any questions or comments contact

Coenraad Fraenkel

coenraadf@cri.co.za

0799134755