

PART VII : AGRICULTURE

Karnataka has long coastline, perennial rivers and varying agro-climatic zones. The climate endowment supports cultivation of cash crops like coffee, coconut, mango, spices, commercial flowers, aromatic plants, cotton, sugarcane, oilseeds, grapes, pomegranate, sapota, etc and helps/assists 65 per cent of the population of Karnataka to engage in farming activities.

However, the share of agriculture in the state GDP is around 15 per cent and performance of the sector is volatile due to a significant area being under arid zone. In order to accelerate growth of agriculture and allied sector, the government of Karnataka has put in place an 'Integrated Agribusiness Development Policy - 2011' linking production with market. Since 2011-12, Karnataka is the first state having a separate agriculture budget. In 2013, the government also envisaged an 'Agricultural Prices Commission' to fix suitable prices for commodities. During mid-2014, the State Level Bankers Committee (SLBC) was directed to enhance credit flow to farmers willing to invest in high technology for agriculture. The University of Agricultural Sciences (UAS, Bangalore) was bifurcated into two agricultural universities to facilitate localised research as per agro-climates zones. Thus, all efforts are being made towards sustainable agriculture in Karnataka.





VII.1. Agro-Climatic Zones

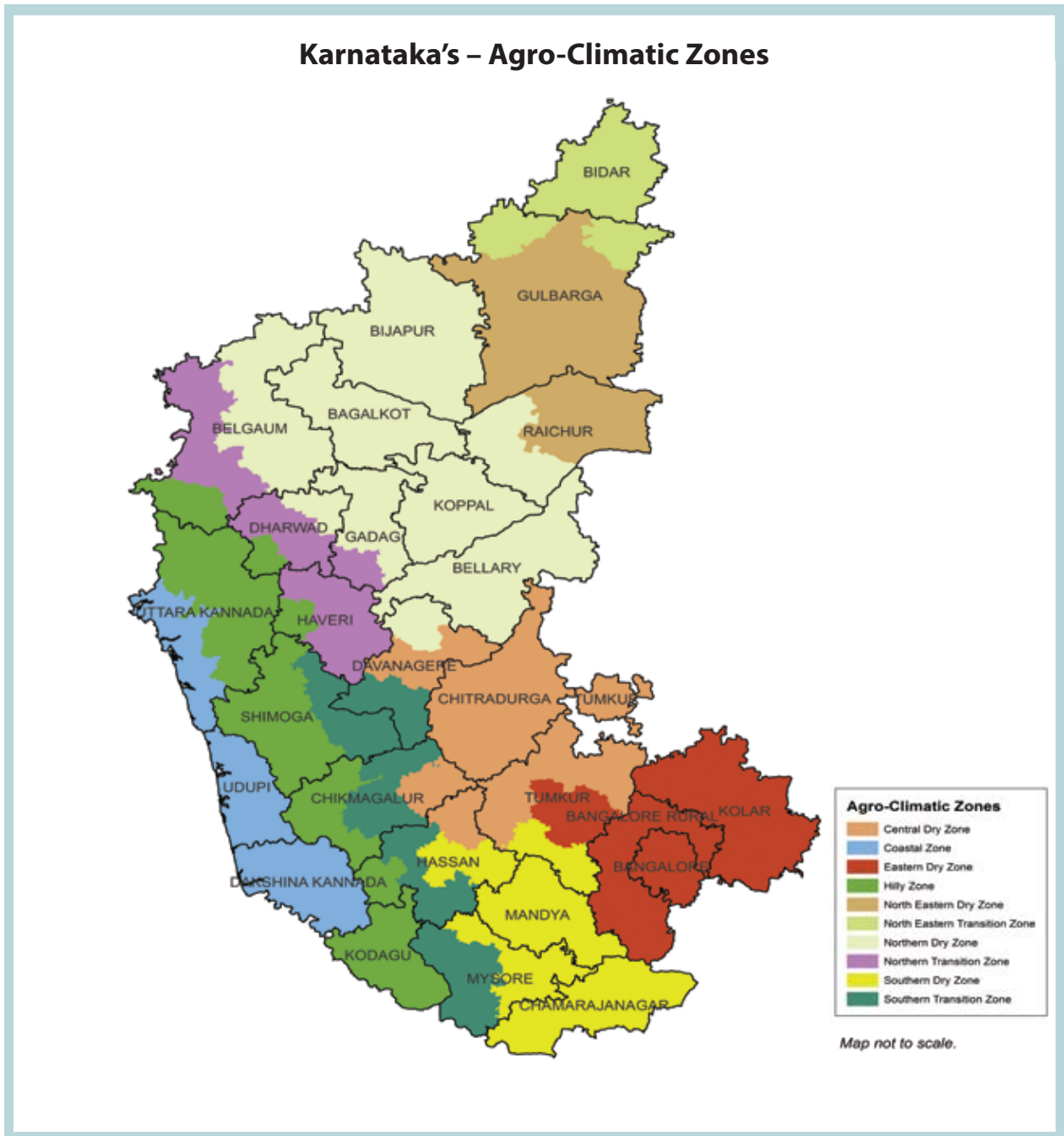


TABLE VII.1.1: Karnataka's Agro-Climatic Zones

North Eastern Transition Zone	North Eastern Dry Zone	Northern Dry Zone	Central Dry Zone
Eastern Dry Zone	Southern Dry Zone	Southern Transition Zone	Northern Transition Zone
Hill Zone	Coastal Zone		

SOURCE: Karnataka State Department of Agriculture (KSDA), Govt of Karnataka.



VII.1. Agro-Climatic Zones

TABLE VII.1.2: Details of Agro-Climatic Zones

Parameters	North Eastern Transition	North Eastern Dry Zone	Northern Dry Zone	Central Dry Zone	Eastern Dry Zone
Districts (No. of Talukas)	Bidar (5) Gulbarga (2)	Gulbarga (5) Yadgir (3) Raichur (3)	Koppal (4), Gadag (4), Dharwad (1), Belgaum (5), Bijapur (5), Bagalkot (6), Bellary (7), Davanagere (1), Raichur (2)	Chitradurga (6), Davanagere (3), Tumkur (6), Chikmagalur (1), Hassan (1)	Bangalore Rural (4), Ramanagara (4) Bangalore Urban (3), Kolar (5), Chikkaballapura (6) Tumkur (2)
Geographical Area ('000 ha)	871	1,763	4,784	1,944	1,808
Gross Cropped Area ('000 ha)	762	1,488	4,041	1,293	962
Irrigated Area (%)	7	17	28	19	23
Rainfall (mm)	829 to 919	633 to 806	464 to 785	455 to 717	679 to 888
Soil	Shallow to medium black clay soils in major areas. Red lateritic soils in remaining areas.	Deep to very deep black clay soils in major areas. Shallow to medium black soils in minor pockets.	Black clay medium and deep in major areas, sandy loams in remaining areas.	Red Sandy loams in major areas, shallow to deep black soil in remaining areas.	Red loamy soils in major areas, clay lateritic soils in remaining areas.
Crops	Jowar, Gram, Tur, Other Pulses, Small Millets, Bajra, Groundnut & Other Oilseed, Cotton, Paddy.	Jowar, Gram, Tur, Other Pulses, Small Millets, Bajra, Groundnut, & Other Oilseed, Cotton, Paddy, Chilli.	Oilseeds like Sunflower, Groundnut, Jowar, Gram, Tur, Other Pulses, Small Millets, Bajra, Cotton, Paddy, Wheat, Ragi, Sugarcane.	Jowar, Gram, Tur, Other Pulses, Small Millets, Bajra, Groundnut, & other Oilseed, Cotton, Paddy, Wheat, Ragi, Sugarcane, Maize, Plantation Crops.	Pulses, Ragi, Bajra, Groundnut, Paddy, Maize, Soybean, Mulberry, & Horticultural Crops.

SOURCE: Karnataka State Department of Agriculture (KSDA), Govt. of Karnataka (<http://raitamitra.kar.nic.in/agriprofile/zonedet.htm>, <http://raitamitra.kar.nic.in/stat/kacz.htm> accessed on 01st September, 2014).



VII.1. Agro-Climatic Zones

TABLE VII.1.2: Details of Agro-Climatic Zones

Parameters	Southern Dry Zone	Southern Transition Zone	Northern Transition Zone	Hilly Zone	Coastal Zone
Districts (No. of Talukas)	Mysore (4), Chamarajanagar(4), Mandya (7), Tumkur (2), Hassan (2)	Hassan (4), Chikmagalur (1), Shimoga (3), Mysore (3), Davanagere (2)	Belgaum (4), Dharwad (3), Haveri (6), Gadag (1)	Uttara Kannada (6), Belgaum (1), Dharwad (1), Haveri (1), Shimoga (4), Chikmagalur (5), Kodagu (3), Hassan (1)	Udupi (3), Dakshina Kannada (5), Uttara kannada (5)
Geographical Area ('000 ha)	1,739	1,218	1,195	2,561	1,167
Gross Cropped Area ('000 ha)	954	729	1,115	673	336
Irrigated Area (%)	34	31	14	20	34
Rainfall (mm)	670 to 888	611 to 1,053	618 to 1,303	904 to 3,695	3,010 to 4,694
Soil	Red sandy loams in major areas and black soils in remaining areas.	Red sandy loams in major areas and in remaining areas red loamy soils.	Shallow to medium black clay soils and red sandy loamy soils in equal proportion.	Red clay loamy soils in major areas.	Red lateritic and coastal alluvial.
Crops	Ragi, Jowar, Pulses, Small Millets, Maize, Bajra, Groundnut, & Other Oilseed, Ragi, Sugarcane, Cotton, Plantation Crops.	Jowar, Pulses, Groundnut, Cotton, Paddy, Ragi, Sugarcane, Maize, Plantain Crops.	Jowar, Pulses, Groundnut, Cotton, Paddy, Ragi, Sugarcane, Small Millets, Wheat, Horticultural Crops.	Rice, Pulses, Ragi, Sorghum.	Rice, Pulses, Groundnut.

SOURCE: Karnataka State Department of Agriculture (KSDA), Govt. of Karnataka (<http://raitamitra.kar.nic.in/agriprofile/zonedet.htm>, <http://raitamitra.kar.nic.in/stat/kacz.htm> accessed on 01st September, 2014).