WELCOME
TO
MY PRESENTATION

EDGE
ENHANCING DIGITAL GOVERNMENT AND ECONOMY

EXPERIMENTAL DESIGN AND TREATMENTS

SCENARIO 1: BUSINESS AS USUAL FARMERS' PRACTICE

SCENARIO 2: BEST MANAGEMENT PRACTICES WITH CONVENTIONAL TILLAGE

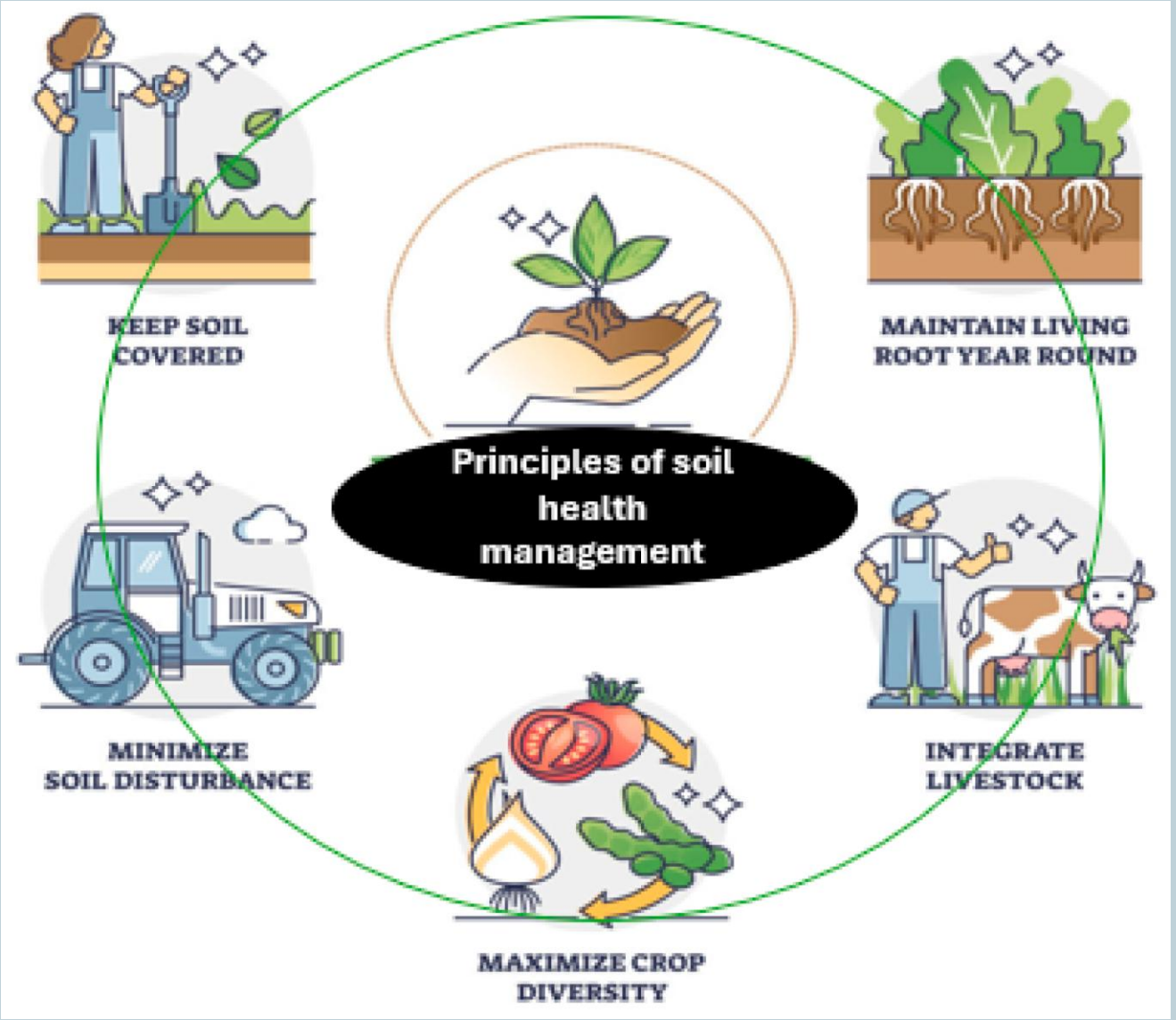
SCENARIO 3: BEST MANAGEMENT PRACTICES WITH REDUCED TILLAGE.

SCENARIO 4: CROP DIVERSIFICATION WITH BEST MANAGEMENT PRACTICES AND REDUCED TO ZERO TILLAGE

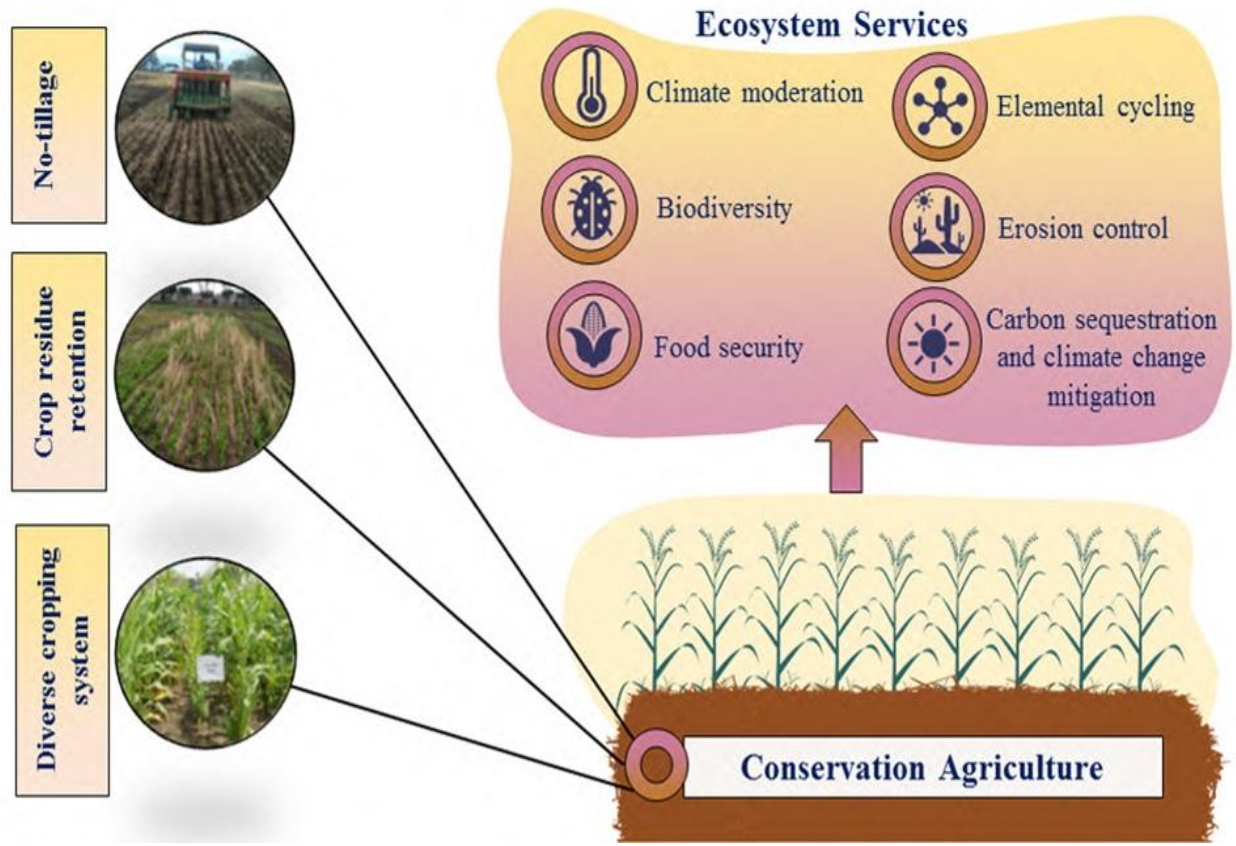
SOIL SAMPLING AND ANALYSIS

DATA MEASUREMENT AND CALCULATION

The human labor used in all operations and management practices, amounts of all inputs and outputs, electrical energy used for irrigation, input–output prices, wage rate for labor and machinery rent were recorded for each plot.



EXPERIMENTAL DESIGN AND TREATMENTS



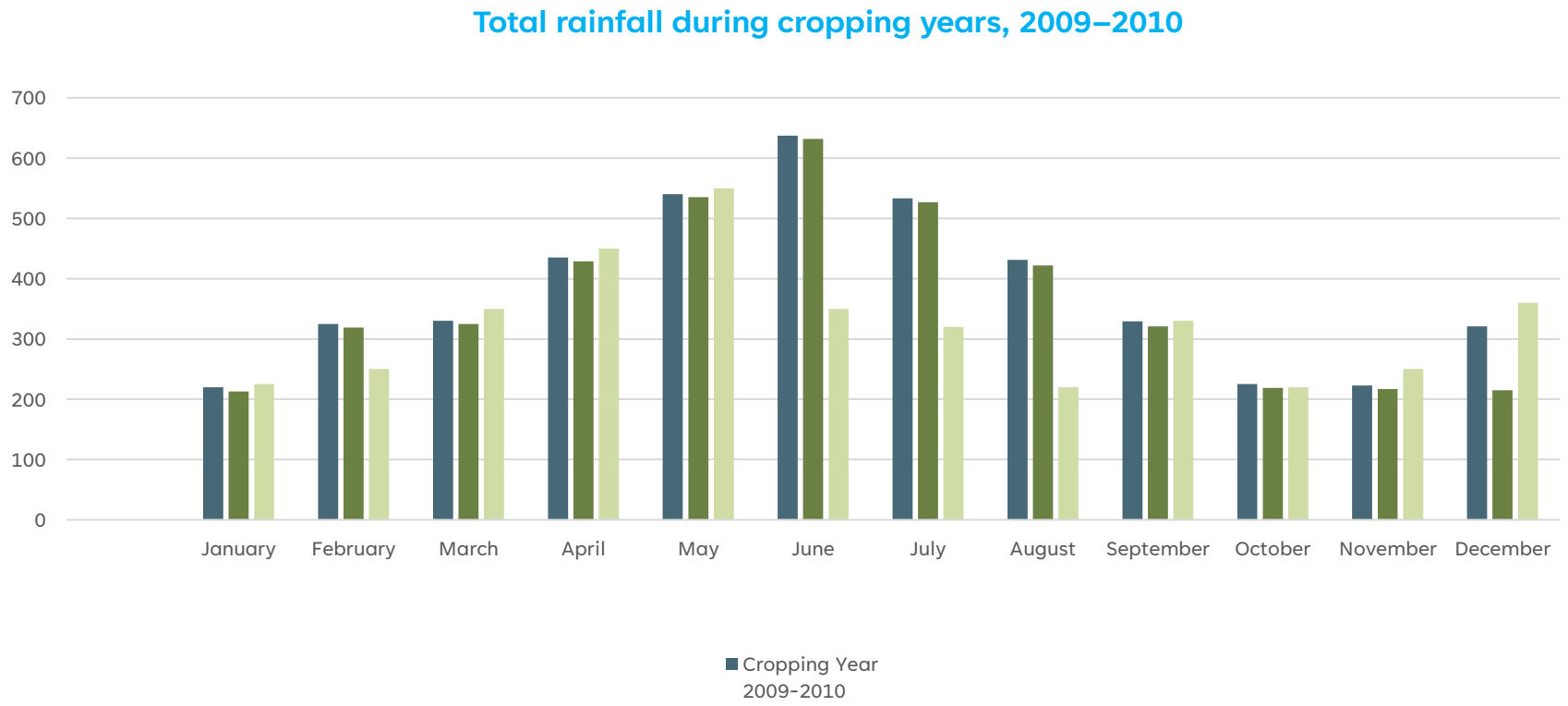
Four cropping system treatments referred to as scenarios (S) were designed based on different drivers of agricultural change. The scenarios varied from each other in tillage, crop establishment, residue management, crop rotation and other management practices.

TABLE-1 : MONTHLY TOTAL RAINFALL AND MONTHLY AVERAGE MAXIMUM AND MINIMUM TEMPERATURES DURING CROPPING YEARS, 2009–2010

Maize is mainly a feed crop but it is also a food crop in many poverty-stricken areas, especially in the hilly areas. These crops greatly influence the livelihoods and health of the urban and rural poor in these regions

Name of Month	Cropping Year 2009-2010		
	Temperature		Rainfall
	Max	Min	
January	220	213	225
February	325	319	250
March	330	325	350
April	435	429	450
May	540	535	550
June	637	632	350
July	533	527	320
August	431	422	220
September	329	321	330
October	225	219	220
November	223	217	250
December	321	215	360

MONTHLY TOTAL RAINFALL AND MONTHLY AVERAGE MAXIMUM AND MINIMUM



REFERENCES

Acemoglu, M., Aksoy, A.S., 2005. The cultivation and energy balance of *Miscanthus giganteus* production in Turkey. Biomass Bioenergy 29, 42–48.

Argiro, V., Stamatas, A., George, D., Nanos, A., Constantinos, A., 2006. Energy flow for integrated apple production in Greece. Agric. Ecosystem. Environ.

Bala, B.K., Hussain, M.D., 1992. Energy use pattern for crop production in Bangladesh. J. Eng. Int. Dev. 1, 41–47.

BRRI, 2010. Annual Internal Review Report for 2009–10. Bangladesh Rice Research Institute, Gazipur, Bangladesh.

BRRI, 2007. Aphonic Daner Chas (A Bengali Publication). Bangladesh Rice Research Institute, Gazipur, Bangladesh.

BARI, 2004. Krishi Prajakta Harbai (A Bengali Publication). Bangladesh Agricultural Research Institute, Gazipur, Bangladesh.

THANK YOU

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