

A new era for “carbon sink” farming

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Abstract: Agricultural civilization is the crystallization of the collective wisdom of the Chinese nation. The model that is to strengthen technological innovation, rely on modern technology to make agricultural waste efficient, resourceful, and refined, and support the high-yield and high-quality green cycle development of modern agriculture, is a kind of inheritance between ancient and modern times, and has great potential in promoting the “carbon peaking and carbon neutrality” goals. Through the development of carbon sink on agriculture, the use of the soil’s own regulation function and crops’ adsorption capacity, as well as the scientific and effective use of agricultural waste, will help achieve the coordinated development of production, energy, environment, climate, society and economy, and can effectively offset 80% of greenhouse gas emissions from agriculture. Strengthening the innovation and application of carbon reduction in the field of agricultural production is of positive significance to promoting the green development of agriculture.

Key words: Carbon sink on agriculture, soil carbon sequestration, green cycle, utilization of agricultural waste

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