

# Agri coir geocell for slopeland stabilisation and cultivation

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## **Abstract**

Agri coir cells are excellent for erosion control and vegetation establishment on stee slopes devoid of top soil. Once placed and secured on slope, the geocell can be filled wi soil. On steep barren slopes where it is difficult to place top soil, agri coir cell are goo alternative. Agri coir cell of higher GSM with tightly woven coir geo-textile bound in honeycomb cell like structure are laid and fixed on steep slopes using bamboo. The hone comb shaped structure can be filled with soil and saplings planted in them. In a field stud conducted in the premises of NCRMI campus, for a 37% slope, top soil was filled in the agr coir cell and brinjal (Haritha variety) seedlings were planted after application of the basa dose of manure & fertilizers according to package of practice.

**Key Words:** Geocell, Agricoir cell, Slope land cultivation