



Technology for the cultivation of extreme areas and raw soils under extreme conditions

Abstract

The SME from Lower-Saxony offers a technology for the cultivation / recultivation of anthropogenically degraded areas like deposits, former industrial areas, mining areas, renaturation after construction projects and planting vegetation under arid or semiarid conditions.

Description

The company offers a technology for the cultivation/ recultivation of anthropogenically degraded areas like deposits, former industrial areas, mining areas, renaturation after construction projects and planting vegetation under arid or semiarid conditions. The technology consists of a soil, climate and erosion risk depending mixture of organic fertilizer, a component for the improvement of the colloid structure of the soil, a water permeable fixation cover, a component to prevent erosion and the seed mixture. The product can be deployed with common agricultural equipment (tractor/ drilling machine), with hydroseeders or with helicopters and agricultural planes.

The enterprise has realised reference projects like the vegetation work at the Hongkong International Airport on rough soil conditions due aridity in summer, heavy rainfalls in winter, typhoon risk, lack of nutrients and high salt content of the soil.

Innovations and advantages of the offer

- seeding, soil improvement and fertilising in one work step,
- individual specialised mixtures for different conditions available,
- operates even in areas with difficult access, due the possibility of hydroseeding and the use of helicopters or agricultural planes.

Current and Potential Domain of Application

- Renaturation of anthropogenically degraded areas like:
- deposits,
 - former industrial areas,
 - mining areas,
 - renaturation after construction projects and planting vegetation under arid or semiarid conditions

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