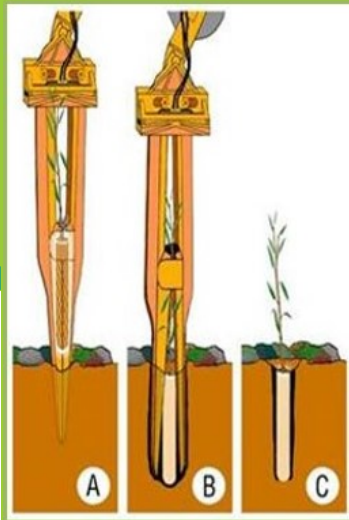


What is the Expandable Stinger?

Projects to stabilize and restore riparian and streamside vegetation often require equipment to assist with planting, because the rugged terrain or rocky substrate along a streambank is impossible to plant effectively by hand. The Expandable Stinger is a patented tool designed to attach to an excavator. It consists of two long probes with a hollow receptacle between them to receive plants. Probes are in the closed position for plant receiving and ground penetrating (A). Once in the ground, probes are opened at the desired depth to release the plant (B), and soil is lightly backfilled to leave the plant securely in the ground (C).



Patented Technology

WildLands, Inc. currently owns all Expandable Stinger attachments, along with their patents. Using this mechanical planting system, WildLands can install riparian plants and cuttings into harsh sites at depths that will ensure plant roots are in contact with perennial moisture.

WildLands Nursery can also provide genetically-appropriate plant material, grown into our exclusive long-tube containers, customized for use with the Expandable Stinger.

Contact us for a consultation today.



Expandable Stinger





CONSULTATION SERVICES

WildLands' Project Managers can assess your project site to determine accessibility, appropriate plant material, timeline, planting substrate, and estimated depth to water table, in order to determine if the Expandable Stinger is the right tool for your project.

PLANTING DEPTH

The Expandable Stinger is able to plant trees and shrubs at depths up to six (6) feet, to place plant roots at the lowest moisture levels. Prescribed planting depths are determined by a pre-work site assessment, and are based on the average depth-to-water-table on the project site.

PLANT MATERIAL

Provided sufficient lead-time, we can grow out plants in customized long-tube containers (3" x 18") at WildLands Nursery. These unique containers are lined with biodegradable mesh, specifically designed for use with the Expandable Stinger planting system. Most riparian species grow 6- to 8-feet in height in one growing season.

Innovative Solutions to Your Restoration Needs:

- Riparian Restoration
- Road Decommissioning
- Gravel Bars and Rocky Floodplains
- Steep Road Cut/Fill Slopes

Expandable Stinger Mechanical Planting System

Excavator-assisted planting ensures deep penetration of roots into the water table, alleviating the need for multi-year supplemental irrigation. The excavator may also be used, with a ripper attachment, to decompact access routes and other compacted soils prior to planting.

Contact Us

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