



## Frequently Asked Questions

Q: Can SlopeGrowth handle soils contaminated with heavy metals, in particular Arsenic? What are the pH requirements for the native soil?

A: Yes. The SlopeGrowth System creates a barrier between the contaminated soil by providing a foundation of nutritious and sustainable soil. The initial application of the SlopeGrowth System builds a foundation of soil to the depth required by the seed schedule. Most applications are 5 to 6 inches deep. The SlopeGrowth Soil Formula is designed to be successful on any substrate therefore there are no pH requirements for the native soil.

Q: How long does the SlopeGrowth "artificial soil" last? Or, how long is it effective as a growth media?

A: In worldwide application experience, SlopeGrowth initiates and enhances a native ecosystem based on local environmental conditions and therefore should be permanent. This is highly dependent on the substrate below the application - if it is soil based - this product is designed to increase soil property genesis below the application and deepen the soil horizon. SlopeGrowth media is intended to be perpetual and sustainable for decades. With the initial application, we apply nutrient matter, increase water holding capacity of the area and introduce sustainable species of vegetation that will together develop a ecosystem that will become self reliant based upon local environmental conditions. The system retains adequate moisture and nutrient content from season to season for growth of vegetation.

Q: Does SlopeGrowth ever become "flushed-out" so that re-application or amendments become necessary or advisable?

A: The system is designed to retain the nutrient and moisture components instead of allowing them to move away from the site. In most areas, the precipitation event does not cause discharge or movement of the nutrients from the site. SlopeGrowth creates a perpetual system that is designed to sustainably utilize localized climatic inputs and cycle them in an ecologically sound manner.

Q: How would SlopeGrowth work in high elevation, cold environs with short growing seasons?

A: A site similar to these conditions has been established for three years now at the peak of Sardine Canyon in Northern Utah. Care was taken to plant vegetation native to these types of climatic conditions and they have thrived. This is a product that will be versatile in any climatic application where vegetation grows.

Q: What time(s) of year do you advise seed application?

A: The seed application is typically recommended either early spring or post summer/fall.

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Q: Do you use any tackifiers or adhesives in the SlopeGrowth soil mix to get it to hold on to such steep slopes?

A: Yes. A portion of our organic fertilizer formula includes an organic adhesive mixture.

Q: Does the thickness vary from project to site-specific project?

A: Yes. The initial application of the SlopeGrowth System builds a foundation of soil to the depth required by the seed schedule. Most applications are 5 to 6 inches deep.

Q: Can a client request or specify a certain thickness of soil?

A: Yes. First and foremost The SlopeGrowth System is specifically designed to cater to the requirements of the client, and their engineers and architects.

Q: How thick is the soil mix applied?

A: The thickness of the soil will be determined by the following factors:

- Seed schedule root development.
- Substrate and grade of slope.
- Surrounding environment and vegetation.
- Annual precipitation.

The SlopeGrowth formula for our soil mix is designed to be a reservoir to collect moisture. The more annual rainfall, the thinner the soil application needs to be. For example: In parts of Asia the annual rainfall is over 40 inches therefore the soil application has been successful with a 2-inch base of soil.

Q: Does SlopeGrowth require irrigation?

A: In applications where a drought tolerant seed schedule is used there is no need for irrigation. On applications where the client prefers a seed schedule requiring irrigation, the use of the SlopeGrowth Soil Formula reduces irrigation by two-thirds. Our Sardine Canyon site is in Utah, which has the second most arid climate in the United States.

Q: What varieties of grasses are used for re-vegetation and would these survive drought conditions, like the native dry-adapted species do? Many projects require using only native species so as to avoid introducing exotics (classic case being buffelgrass invasions at National Parks.)

A: We allow for every client to provide the seed schedule of their choice. The SlopeGrowth Soil Formula will be successful with any seed schedule. SlopeGrowth is designed to optimize the vegetative growth of whatever climate it is applied in. SlopeGrowth is the optimum soil designed for all vegetation requirements.

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