

SAND STOP

SOIL STABILIZER TO PREVENT SOIL EROSION

DESCRIPTION

SAND STOP is an organic, non toxic sand and soil stabilizer with the properties of a good binder to prevent wind erosion .It is yellow, free-flowing , watersoluble powder , the powder is very hygroscopic and absorbs moisture from atmosphere and binds the water in Ground

FEATURES

When dissolved **SAND STOP** sucks into the top layer and makes an effective adhesive bond between the sand particles.A hard crust is formed when the surface dries , but at high atmospheric humidity it will soften and leave passage for vegetation .

USES

- As soil stabilizer and dust control agent
- Protecting embankments, highway, pipeline etc.
- Tackifier for hydromulching.
- Dust control on military areas, construction sites etc.
- Highway intersection.

TYPICAL PROPERTIES

Appearance:

Brown powder

Solubility in water:

Infinitely miscible.

Toxicity:

Non toxic.

Shelf life:

Minimum 12 months in sealed original bags , under recommended storage conditions.

DIRECTIONS FOR USE

SAND STOP can easily be applied as powder or solution. No special type of equipment is needed.

Shovel bucket or modern agricultural machine can be used.

As powder

To reach the binding properties of sand stop the powder has to be dissolved because first when moistened its give tack and adhesiveness. As the product is very hygroscopic, this can be attained by absorption of moisture from the atmosphere when the relative humidity is very high. It is recommended to apply **SAND STOP** powder when the relative humidity is high and there is big difference between day and night temperatures. The powder is best spread either early in the morning on wet ground or late in the afternoon just before the dew is falling out.

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As solution

The durability of the crust is depending on the quantity of **SAND STOP** used and thickness of the layer. The required application rate depends constitution of the sand to be bond and the types of stresses involved. Normally the good result is secured if the minimum thickness of the layer is 3-5 mm. The concentration of sand stop solution and the constitution of the sand to be bonded influence the penetration and hereby the thickness of layer. The more dilute the solution is, the thicker the layer will be.

Areas which should be prepared with **SAND STOP** ought to have locations where they are protected from drifting sand eroded from untreated zones. Best result can be expected to be obtained if a large continuous area is prepared.

PERIOD FOR SPREADING

The period of time to spread **SAND STOP** should be chosen with consideration of the local climatic conditions.

If the region has a relatively fixed rain period planting and sowing can be made in the beginning of the period for maximal utilization of the rain. During the precipitation the sand will be moist and has a good resistance against wind erosion. As **SAND STOP** is watersoluble leaching can not be avoided at large Rainfall, therefore it is recommended to spread **SAND STOP** in the end of period.

Reclamation

SAND STOP can be of advantage to protect fresh and weak plants from wind erosion and drying up.

When reclaiming large land areas aircraft can be used to spread **SAND STOP**.

The seeds ought to be sowed prior to the **SAND STOP** treatment .The sprouting is normally delayed a few days, but this delay is rapidly picked up by an improved growth.

DOSAGE

Recommended quantity of **SAND STOP** for efficient sand and soil stabilization is 800-200 kilogram/hectare. The proper amount is depending

On the constitution of the ground and expected stress

When **SAND STOP** is applied as powder

It is more difficult to spread on equally thick layer.

Therefore a treatment with powder requires around 50 % more material than if spread as solution

When **SAND STOP** is applied as solution it is recommended to use concentration so the minimum thickness of the layer becomes 3-5 mm.

SAND STOP is water soluble and in case of heavy rain after spreading the crust runs the risk of being attenuated. Before the surface has dried up it is therefore recommended to remedy the crust with half the used dosage.

Packing

25 kg multiply bags. Or Jumbo bags of 600 and 1000 kg

Storage

Store in cool dry place