



BIODEGRADATION PROCESS

www.GreenStake.com



GreenStake® Biodegrading in soil

*Holding power in the ground is maintained for 18-24 months after which it disappears.

Note: The Head of the GreenStake® did not biodegrade at the same rate as the shaft due to the Head sticking 1.5" out of the soil during the test (for identification)

GreenStakes™ Breakdown Process

GreenStakes® are 100% biodegradable and once in the ground, break down into carbon dioxide, water and humus caused by microbes naturally present in the environment.

GreenStakes® store indefinitely, however once in the ground the GreenStake® will maintain its holding power in the ground for 18-24 months after which it will completely disappear. Above are pictures showing the biodegradation of the GreenStakes® over time.

The mechanism of breakdown of the GreenStake™ (ASTM D6400 compliant) is the same as with any organic matter (similar to the breakdown of yard waste), simply the microbes in the ground consume the stakes. Microbial activity is related to temperature and moisture level. For this reason, local climate influences the duration of breakdown and so there will be variation in breakdown time from one region to another.

*The GreenStakes® pictured were tested in moist soil (with the head exposed) at an ambient temperature varying from 6°-20°C.

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