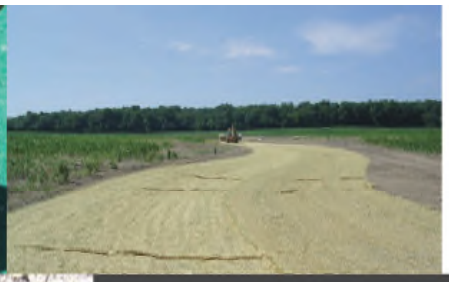
ECOTURF DEGRADABLE STAKES

ecoturf MIDWEST INC.

ROUS PAVEMENT
ANAGEMENT

800 597-2180 fax 317 917-2181 www.D2LWR.com info@D2LWR.com



ecoturf

Ecoturf Midwest Inc. is a family-owned company located just west of Chicago.

The **Ecoturf brand** has been around since 2000. In 2012, Ecoturf Midwest was formed, taking control from the previous owners, creating new staking solutions and refining our existing line.

We pride ourselves in developing and selling quality products that are environmentally friendly. We value the relationships we establish with our customers and believe providing exceptional service is perpetual.

We continually enhance our product line to ensure it meets the needs of our clients, performs up to the technical specifications required and priced to compete.

Quality, service and price are the three pillars we stand by.

Ecoduty Degradable Stake ***EDS-6D***

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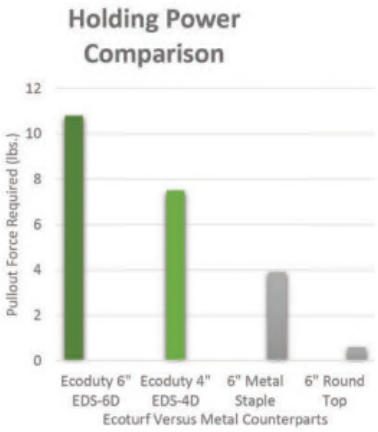
Use Less Stakes Per Square Yard than Steel

Ecoduty Stake
Biodegradation - Phase 3

Why Use Metal Staples?
Metal staples have long been the anchoring device of choice for contractors. While they have done an adequate job, they are far from perfect.

It takes roughly 2 pounds of force to pull a metal staple from the ground since their inherent design lacks any engineered resistance. This becomes problematic as changes in temperature, geographical pressure and tectonics push the staples out of the ground. Over time metal stakes cannot keep the blanket, mat or fabric from being adequately held down. Furthermore, this exposes the staples that have been pushed from the ground to lawn mowers and other machinery that can shoot their debris causing damage or injury.

Because of this tendency to come out of the ground, in order to sufficiently secure the erosion control materials, scores of staples are installed.



The Power of Ecoduty

Ecoduty Degradable Stake ***EDS-4D***

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Commercial grade options for the landscaper, Introducing...

Ecoduty Degradable Stake ***EDS-4D***

Ecoduty Degradable Stake ***EDS-6D***

ecoduty

The Ecoduty 4 & 6" have three to six times the holding power of metal staples. Engineered with 20 ribs, these points of contact collect soil, thereby securing themselves firmly in the ground. The increased pullout force required to remove the stakes from the ground means consumers may be able to use fewer stakes per square yard.

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Sod, Turf and More

LANDSCAPING

Securing landscape fabrics, lighter grade blankets, weed barriers, and other matting used with landscaping jobs are easily done with our Econet peg.

For lighter jobs on level ground or to use with netting, the 3.5" EcoNet peg provides a suitable alternative for consumers looking for a shorter term anchor.

The useful lifespan of the Ecoduty line is 36 months where the EcoNet peg will perform in the ground for 24 months before biodegradation begins.

ENP
3.5" Econet Peg

For Retail

36 Packs of 12
ENP-PDQ-36

For Retail

Ecoduty Degradable Econet Peg

Available on a clip strip for impulse buys merchandised near sod, blanket displays or weed fabrics.

ENP-48-CLIP

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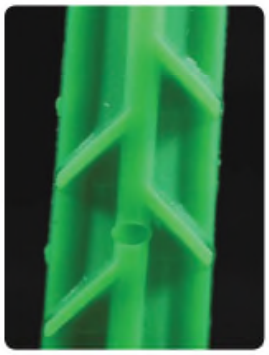
The Secret is in the Science

Our mission to be an environmentally-friendly company is twofold.

Our plastic-based stakes use 100% recycled resins. Basically, we take others' scrap and convert it into a quality product for consumers. All of our products are proudly made in the U.S.A. Furthermore, our products are degradable, utilizing new technologies to convert plastic into all-natural by-products.

Our Ecoduty line, and EcoNet peg are all tested and compliant with ASTM D6954 Oxo-Biodegradability standard.



Phase 1
Phase one is considered part of the first active lifecycle and includes transportation from manufacturer, storage, shelf life, and engineered life of an end product. The physical properties of the end product has not been compromised in this phase.

Phase 2
Phase 2 is the start of the second active life-cycle. Microorganisms attach themselves onto the surface of a plastic product. Without the inclusion of oxygen, this would not be possible and plastic would stay free of microorganism. The plastic then becomes the fuel source for these organisms to multiply.

Phase 3
Biodegradation Phase 3 is the culmination of bioactivity and biodegradation. The microbes metabolize using oxygen sites on the changed polymer structures. Once the sites have been consumed, new oxygen sites will form on the shortened polymer chain. This cycle will repeat for the entire duration of the biodegradation cycle.

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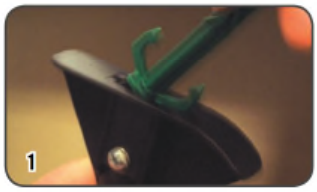
ecostaker

Ecostaker is designed to take the strain out of stake installation

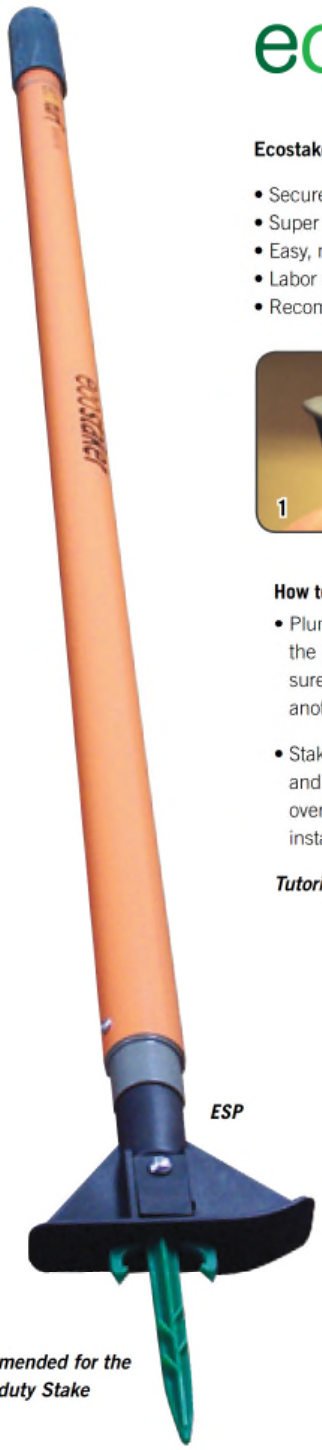
- Secure sod, landscape fabrics, natural ECBs with ease.
- Super lightweight design to avoid fatigue
- Easy, manual load for jam free design
- Labor saving design
- Recommended only for the 4" Ecoduty in tough or tilled soil conditions



How to use

- Plunge stake into ground and push forward on the pole. Stake will roll off of the driver, make sure the round edge is facing forward. Install another stake and repeat, easy.
- Stake goes into the Ecostaker only one way and comes out another. Muscle memory takes over once user learns how to use. Making installation easy to do.

Tutorial videos available at ecoturfmidwest.com



ESP

Recommended for the 4" Ecoduty Stake

For Retail
Ecostaker Kit with 4" Ecoduty Stakes
EST-KIT-12

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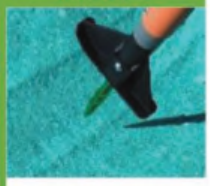
Specifications on Ecoturf Line

ecoduty

Item Number	ENP	EDS-4D	EDS-6D
Length	3.5"	4"	6"
Pullout Force (pounds)	N/A	6.9	10.8
Recommended Ground Conditions	Light duty	Medium to Heavy Duty	Heavy Duty
Useful Life	24 months	36 months	36 months
Biodegradation Information	Biodegradation occurs after the useful lifecycle ends. Breakdown occurs due to the additive in the plastic, eventually causing the plastic to lose structure. The timeline for biodegradation following breakdown is scientifically difficult to measure since our products are put into different environments. Biodegradation rates are completely dependent on the presence of micro-organisms, which could take anywhere from one to dozens of years. While the timeframe is quite variable, as long as there are micro-organisms present, the products will biodegrade over time leaving carbon dioxide, water and humus as byproducts.		

Ecoturf Installation Solutions

Ecostaker Pole Driver



Item Number	ESP
Compatible with	4" Ecoduty Stake
Recommended Jobs	Medium to Heavy Duty
Description	Aluminum pole with custom headpiece used to drive 4" Ecoduty stakes into the ground. Once inserted, the stakes can only be released from the headpiece by rocking the pole forward, allowing for fast, easy installation.

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